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	NAPP2201252570
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party XTO Energy				OGRID 4	OGRID 5380			
Contact Nam	ne Shelby P	ennington		Contact Te	Contact Telephone 281-723-9353			
Contact emai	il shelby.g.pe	ennington@exxon	mobil.com	Incident #	(assigned by OCD)			
Contact mail	ing address	6401 Holiday Hill	Rd Bldg 5, Midlar	nd, Texas, 79707				
			-					
			Location	of Release So	ource			
Latitude 32.1	14419			Longitude _	-104.00913			
			(NAD 83 in dec	rimal degrees to 5 decim	mal places)			
Site Name Co	orral Canyor	n 8-32 Fed 163H		Site Type P	Production Well			
Date Release	Discovered	12/29/2021		API# (if app	plicable)			
I In:t I attan	Castian	Tavanshin	Danca	Carre				
Unit Letter	Section	Township	Range	Coun				
K	08	25S	29E	Edd	iy			
Surface Owner	r: State	➤ Federal ☐ Ti	ribal	Name:)			
			Nature and	l Volume of F	Delegge			
			Nature and	i volume of r	Release			
Crude Oil		l(s) Released (Select a		calculations or specific	volume Recovered (bbls)			
					` ′			
Produced	water	Volume Release		1 1'1 (EDC)	Volume Recovered (bbls)			
			tion of total dissolv water >10,000 mg/		☐ Yes ☐ No			
Condensa	ite	Volume Release			Volume Recovered (bbls)			
Natural G	ias	Volume Release	ed (Mcf)		Volume Recovered (Mcf)			
X Other (de	scribe)	Volume/Weight	Released (provide	units)	Volume/Weight Recovered (provide units)			
Frac fluid 30 BBLS					29.75			
Cause of Rel	Cause of Release Corrosion caused a hose connection on a frac pump to release fluids both into containment and onto pad. All free							
	fluids were recovered. A third-party contractor has been retained for remediation purposes.							

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$-\nu_{i}$	TOTAL	2e0.	7 A	7/4
	450	THE COL		/ T

Incident ID	NAPP2201252570
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Facility ID	
Application ID	

Was this a major	If YES, for what reason(s) does the respon	sible party consider this a major release?
release as defined by	A release equal to or greater than 25 barrel	
19.15.29.7(A) NMAC?		
¥ Yes □ No		
If YES, was immediate n	otice given to the OCD? By whom? To wh	om? When and by what means (phone, email, etc)?
Yes, by Garrett Green to I	Mike Bratcher, Victoria Venegas, and Rob I	Hamlet on Wednesday, December 29, 2021 6:48 PM via email.
Ļ		
	Initial Ro	esponse
The responsible	party must undertake the following actions immediatel	vunless they could create a safety hazard that would result in injury
	ease has been stopped.	
l <u> </u>	as been secured to protect human health and	
ll <u></u>		ikes, absorbent pads, or other containment devices.
-	ecoverable materials have been removed and	2 22 2
If all the actions describe	d above have <u>not</u> been undertaken, explain v	vhy:
NA		
		emediation immediately after discovery of a release. If remediation efforts have been successfully completed or if the release occurred
) 71		lease attach all information needed for closure evaluation.
I hereby certify that the info	rmation given above is true and complete to the	pest of my knowledge and understand that pursuant to OCD rules and
regulations all operators are	required to report and/or file certain release noti	ications and perform corrective actions for releases which may endanger
failed to adequately investig	ate and remediate contamination that pose a thre	CD does not relieve the operator of liability should their operations have at to groundwater, surface water, human health or the environment. In
addition, OCD acceptance o and/or regulations.	of a C-141 report does not relieve the operator of	responsibility for compliance with any other federal, state, or local laws
	. Pennington	Environmental Manager
Printed Name:	. i Chimigun	Title:
Signature:	elle tempo	Date:
email: shelby.g.penningt	on@exxonmobil.com	Telephone: 281-723-9353
-		2 51 5 Pilonio.
OCD Only		
Received by: Ramona	a Marcus	Date: 01/12/2022
,		

Location:	Corral Canyon 8-32 Fed 163H			
Spill Date:	12/29/2021			
	Area 1		<u> </u>	
Approximate Area	=	140.36	cu.ft.	
	VOLUME OF LEAK			
Total Crude Oil =		0.00	bbls	
Total Frac fluid =		25.00	bbls	
	Area 2			
Approximate Area	=	1101.00	sq. ft.	
Average Saturation	Average Saturation (or depth) of spill = 0.50			
		**		
Average Porosity F	actor =	0.03	01	
	VOLUME OF LEAK			
T : 10 1 0''	VOLUME OF LEAK	1 000	li	
Total Crude Oil =			bbls	
Total Frac fluid =		5.00	bbls	
	TOTAL VOLUME OF LEAK			
Total Crude Oil =		0.00	bbls	
Total Frac fluid =		30.00	bbls	
	TOTAL VOLUME RECOVERED			
Total Crude Oil =		0.00	bbls	
Total Frac fluid =		29.75	bbls	

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Incident ID	NAPP2201252570
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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?	☐ Yes ⊠ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ⊠ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ⊠ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ⊠ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ⊠ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ⊠ No
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes ⊠ No
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil
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 well 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 	ls.

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

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District RP
Facility ID
Application ID

regulations all operators are required to report and/or file certain public health or the environment. The acceptance of a C-141 rep failed to adequately investigate and remediate contamination that	plete to the best of my knowledge and understand that pursuant to OCD rules and release notifications and perform corrective actions for releases which may endanger ort by the OCD does not relieve the operator of liability should their operations have pose a threat to groundwater, surface water, human health or the environment. In operator of responsibility for compliance with any other federal, state, or local laws
Printed Name: _Garrett Green	Title: _Environmental Coordinator
Signature: Sath Sur	Date:08/05/2022
email: _garrett.green@exxonmobil.com	Telephone:575-200-0729
OCD Only	
Received by:Jocelyn Harimon	Date: 08/05/2022

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Closure

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

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

A scaled site and sampling diagram as described in 19.15.29.	11 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	s of the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate OD	C 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 certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and replaced to the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regular restore, reclaim, and re-vegetate the impacted surface area to the coaccordance with 19.15.29.13 NMAC including notification with 19.15.29.13 NMAC including noti	ations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in
OCD Only Jocelyn Harimon Received by:	08/052022 Date:
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible for regulations.
Closure Approved by:	Date: 08/10/2022
Printed Name: Jennifer Nobul	Title: Environmental Specialist A
_	



August 5, 2022

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

Re: Closure Request

Corral Canyon 8-32 Fed 163H

Incident Numbers NAPP2134755985, NAPP2200359627, and NAPP2201252570

Eddy County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum) on behalf of XTO Energy, Inc. (XTO), has prepared the following Closure Request to document the excavation and soil sampling activities completed to address impacted soil at the Corral Canyon 8-32 Fed 163H (Site), resulting from three separate releases of hydraulic fracturing (frac) fluid onto the surface of the pad. Based on the excavation activities and analytical results from the soil sampling events, XTO is submitting this Closure Request, describing remediation that has occurred and requesting closure for Incident Numbers NAPP2134755985, NAPP2200359627, and NAPP2201252570.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit K, Section 8, Township 25 South, Range 29 East, in Eddy County, New Mexico (32.14330° N, 104.00924° W) and is associated with oil and gas exploration and production operations on Bureau of Land Management (BLM) federal land.

Incident Number NAPP2134755985

On December 8, 2021, iron washed out due to sand during hydraulic fracturing (fracing) operations, which resulted in the release of approximately 30 barrels (bbls) of frac fluid into the temporary lined containment and onto the surface of the well pad. A vacuum truck was immediately dispatched to the Site to recover free-standing fluids; approximately 27 bbls of frac fluid were recovered from within the lined containment. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) via email on December 8, 2021 and submitted a Release Notification Form C-141 (Form C-141) on December 13, 2021. The release was assigned Incident Number nAPP2134755985.

Incident Number NAPP2200359627

On December 19, 2021, iron washed out due to sand during fracing operations, which resulted in the release of approximately 5 bbls of frac fluid into the temporary lined containment and onto the surface of the well pad. A vacuum truck was immediately dispatched to the Site to recover free-standing fluids; approximately 4.5 bbls of frac fluid were recovered from within the lined containment. XTO reported the

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants 601 N Marienfield St. Suite 400 | Midland, TX 78209 | ensolum.com Texas PG Firm No. 50588 | Texas PE Firm No. F-21843



release to the NMOCD on a Form C-141 on January 3, 2022. The release was assigned Incident Number NAPP2200359627.

Incident Number NAPP2201252570

On December 29, 2021, corrosion of a hose connection during fracing operations resulted in the release of approximately 30 bbls of frac fluid into the temporary lined containment and onto the surface of the well pad. A vacuum truck was immediately dispatched to the Site to recover free-standing fluids; approximately 29.75 bbls of frac fluid were recovered from within the lined containment. XTO reported the release to the NMOCD via email on December 29, 2021 and submitted a Form C-141 on January 12, 2022. The release was assigned Incident Number NAPP2201252570.

The liners were removed prior to site assessment so no liner inspections were able to be completed. The release areas outside of containment overlapped for all three releases and were addressed concurrently.

SITE CHARATERIZATION AND CLOSURE CRITERIA

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

Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. The nearest groundwater well is New Mexico Office of the State Engineer (NMOSE) well C-02518, located approximately 0.38 miles southeast of the Site. The groundwater well was drilled in 1997 and has a reported total depth of 460 feet bgs. No groundwater was encoutered during drilling of the well, indicating that depth groundwater is greater than 100 feet bgs. All wells used for depth to water determination are depicted on Figure 1 and the referenced well records are included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is an intermittent riverine approximately 1,400 feet southwest 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 AND SAMPLING ACTIVITIES

Remediation efforts were postponed due to ongoing fracing operations on pad near the release area. Per 19.15.29.12.B.(1) NMAC, extensions for submitting remediation work plans or closure reports were requested to the NMOCD for Incident Numbers NAPP2134755985, NAPP2200359627, and NAPP2201252570. The extension requests were granted, extending the final deadline for all three releases to to August 5, 2022.

On May 17, 2022 through July 25, 2022, upon completion of fracing operations, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. Five preliminary assessment soil samples (SS01 through SS05) were collected within and around the release extent from a depth of 0.5 feet bgs to assess the lateral exent of the release. The preliminary soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride Hach® chloride QuanTab® test strips. The release extent and preliminary soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation was completed during the Site visit and a photographic log is included in Appendix B.

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

Laboratory analytical results for preliminary soil sample SS01, collected within the release extent indicated that TPH-GRO/TPH-DRO and TPH concentrations exceeded the Closure Criteria. Laboratory analytical results for preliminary soil samples SS02 through SS04, collected around the release extent, indicated that benzene, BTEX, TPH-GRO/TPH-DRO and TPH, and chloride concentrations were compliant with the strictest Table 1 Closure Criteria, and confirmed the lateral extent of the release. Laboratory analytical results are summarized on Table 1 and the complete laboratory analytical reports are included in Appendix C. Based on the laboratory analytical results, additional remediation activities were warranted.

EXCAVATION SOIL SAMPLING ACTIVITIES AND ANALYTICAL RESULTS

Between July 8, 2022 and July 9, 2022, Ensolum personnel returned to the Site to oversee excavation activites. Impacted soil was excavated from the release area as indicated by visible staining and laboratory analytical results for the preliminary soil samples. Excavation activities were performed using track-mounted backhoe and transport vehicle. To direct excavation activities, soil was screened for volatile aromatic hydrocarbons and chloride utilizing a PID and Hach® chloride QuanTab® test strips, respectively. The excavation was completed to depths ranging from 1-foot bgs to 1.5 feet bgs. Photographic documentation of the excavation activities is included in Appendix B.

Following removal of the impacted soil, 5-point composite soil samples were collected at least every 200 square feet from the floor of the excavation. Because the excavation was shallow the floor sample composites included aliquots collected from the nearby sidewalls. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples FS01 through FS20 were collected from the floor of the excavation from depths ranging from 1-foot bgs to 1.5 feet bgs. The soil samples were collected, handled, and analyzed following the same procedures as described above. The excavation extent and excavation soil sample locations are presented on Figure 3.



The excavation area measured approximately 3,675 square feet. A total of approximately 140 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the R360 Facility in Carlsbad, New Mexico.

Laboratory analytical results for excavation floor samples FS01 through FS20 indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria and no further remediation was required. The laboratory analytical results are summarized on Table 1 and the complete laboratory analytical reports are included in Appendix C.

CLOSURE REQUEST

Excavation of impacted soil has mitigated impacts at this Site. Depth to groundwater has been estimated to be greater than 100 feet bgs and no other sensitive receptors were identified near the release extent. XTO believes these remedial actions are protective of human health, the environment, and groundwater. XTO will backfill the excavation with material purchased locally and recontour the Site to match preexisting site conditions. As such, XTO respectfully requests closure for Incident Numbers NAPP2134755985, NAPP2200359627, and NAPP2201252570.

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

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

Tacoma Morrissey Senior Geologist

Mouissey

Ashley L. Ager, M.S., P.G. Program Director

ashley L. ager

cc: Garrett Green, XTO

Shelby Pennington, XTO Bureau of Land Management

Appendices:

Figure 1 Site Receptor Map

Figure 2 Preliminary Soil Sample Locations
Figure 3 Excavation Soil Sample Locations
Table 1 Soil Sample Analytical Results
Appendix A Referenced Well Records

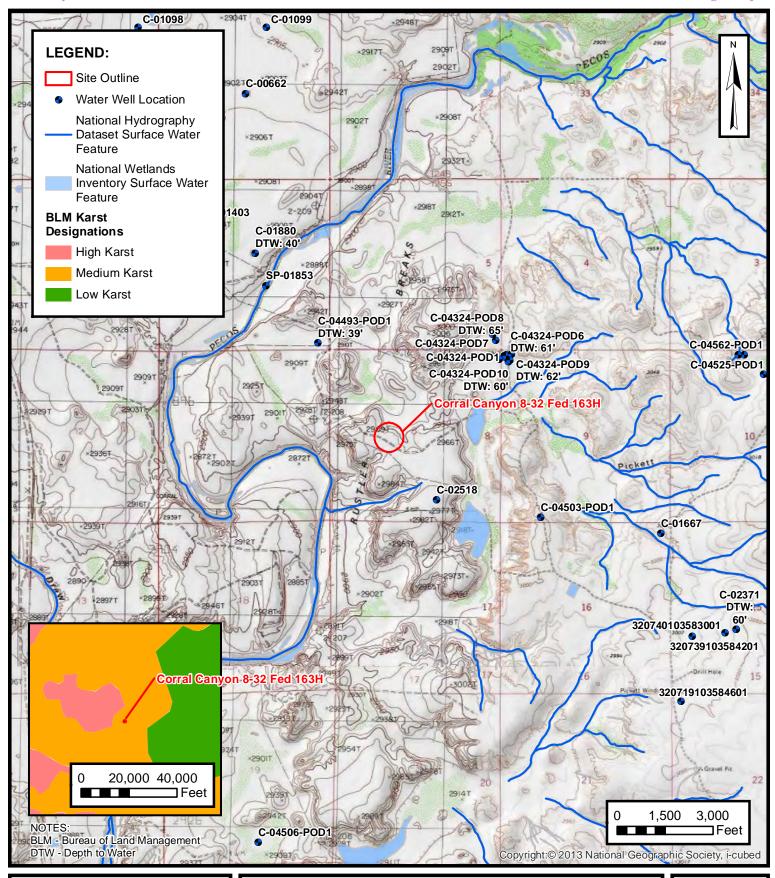
Appendix B Photographic Log

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

Appendix D NMOCD Notifications



FIGURES

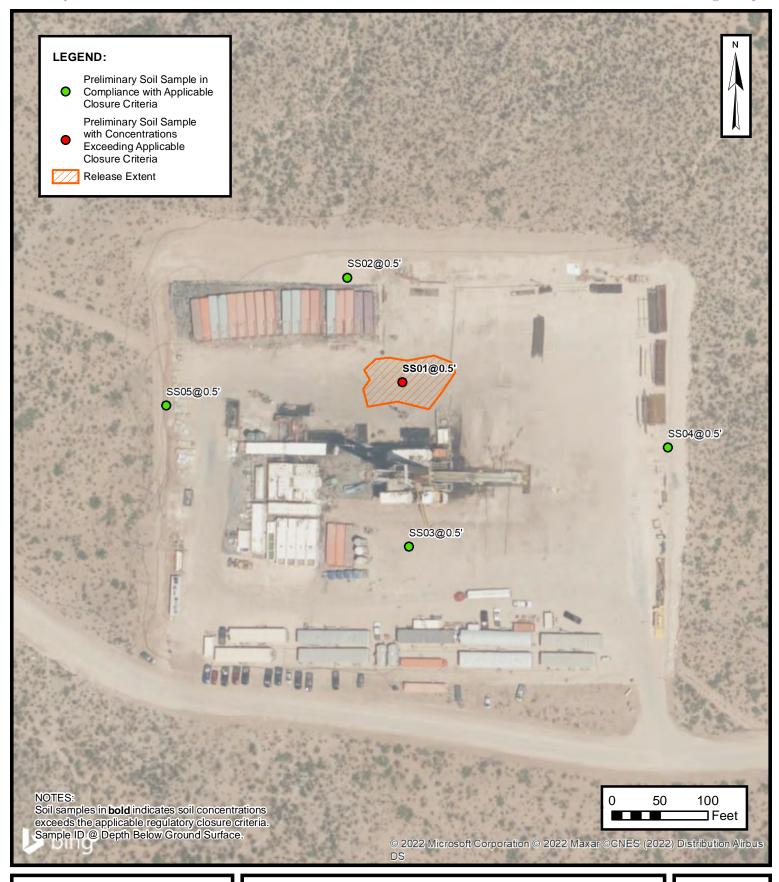




SITE RECEPTOR MAP

XTO ENERGY, INC CORRAL CANYON 8-32 FED 163H NAPP2201252570, NAPP2200359627, NAPP2134755985 Unit K, Section 8, Township 25S, Range 29E Eddy County, New Mexico **FIGURE**

1

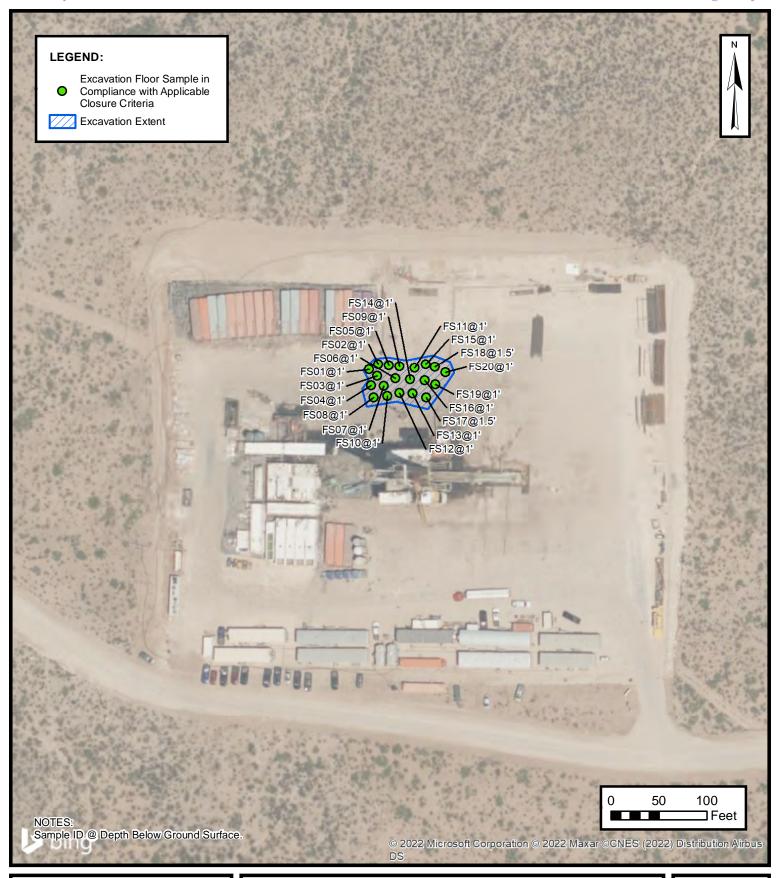




PRELIMINARY SOIL SAMPLE LOCATIONS

XTO ENERGY, INC CORRAL CANYON 8-32 FED 163H NAPP2201252570, NAPP2200359627, NAPP2134755985 Unit K, Section 8, Township 25S, Range 29E Eddy County, New Mexico **FIGURE**

2





EXCAVATION SOIL SAMPLE LOCATIONS

XTO ENERGY, INC
CORRAL CANYON 8-32 FED 163H
NAPP2201252570, NAPP2200359627, NAPP2134755985
Unit K, Section 8, Township 25S, Range 29E
Eddy County, New Mexico

FIGURE

3



TABLES

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TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS Corral Canyon 8-32 Fed 163H XTO Energy, Inc. Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)	
NMOCD Table 1 (Closure Criteria ((NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000	
	Preliminary Assessment Soil Samples										
SS01	05/17/2022	0.5	<0.00201	<0.00402	<249	5,810	8,620	5,810	14,400	8,250	
SS02	07/25/2022	0.5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	307	
SS03	07/25/2022	0.5	<0.00199	<0.00398	<49.9	<49.9	84.4	<49.9	84.4	569	
SS04	07/06/2022	0.5	<0.00199	<0.00398	<50.0	<50.0	72.5	<50.0	72.5	34.4	
SS05	07/25/2022	0.5	<0.00201	<0.00402	<50.0	<50.0	50.6	<50.0	50.6	289	
				Con	firmation Soil Sa	mples					
FS01	07/09/2022	1	<0.00200	<0.00401	<49.9	<49.9	133	<49.9	133	1,350	
FS02	07/09/2022	1	<0.00201	<0.00402	<50.0	73.2	299	73.2	372	1,590	
FS03	07/09/2022	1	<0.00199	<0.00398	<50.0	688	<50.0	688	688	1,650	
FS04	07/09/2022	1	<0.000399	<0.000798	<49.9	944	<49.9	944	944	2,570	
FS05	07/09/2022	1	<0.000398	<0.000795	<50.0	102	<50.0	102	102	1,640	
FS06	07/09/2022	1	<0.000402	<0.000803	<49.9	80.7	<49.9	80.7	80.7	1,440	
FS07	07/09/2022	1	<0.000399	<0.000798	<49.9	281	<49.9	281	281	1,880	
FS08	07/09/2022	1	<0.000398	<0.000795	<50.0	486	<50.0	486	486	1,590	
FS09	07/09/2022	1	<0.000401	<0.000802	<49.9	187	<49.9	187	187	1,460	
FS10	07/09/2022	1	<0.00201	<0.00402	<50.0	76.1	<50.0	76.1	76.1	858	
FS11	07/08/2022	1	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	1,030	
FS12	07/09/2022	1	<0.000404	<0.000808	<50.0	<50.0	<50.0	<50.0	<50.0	1,230	
FS13	07/09/2022	1	<0.000399	<0.000798	<50.0	303	<50.0	303	303	2,120	
FS14	07/09/2022	1	<0.000398	<0.000795	<49.8	101	<49.8	101	101	3,020	
FS15	07/08/2022	1	<0.00200	<0.00399	<50.0	281	<50.0	281	281	1,890	

Ensolum 1 of 2

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TABLE 1 **SOIL SAMPLE ANALYTICAL RESULTS** Corral Canyon 8-32 Fed 163H XTO Energy, Inc. **Eddy County, New Mexico**

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 C	losure Criteria (NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
FS16	07/08/2022	1	<0.00198	<0.00396	<49.9	164	51.7	164	216	2,130
FS17	07/08/2022	1.5	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	<50.0	2,050
FS18	07/08/2022	1.5	<0.00202	<0.00404	<50.0	68.8	<50.0	68.8	68.8	202
FS19	07/08/2022	1	<0.00201	<0.00402	<50.0	324	86.4	324	410	1,190
FS20	07/08/2022	1	<0.00201	0.00581	<50.0	275	86.9	275	362	1,030

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

Concentrations in bold exceed the NMOCD Table 1 Closure Criteria or reclamation

standard where applicable.

GRO: Gasoline Range Organics DRO: Diesel Range Organics ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

2 of 2 Ensolum



APPENDIX A

Referenced Well Records



STATE ENGINEER OFFICE



OFFICE OF STATE ENGINEER

WELL RECORD

Section 1. GENERAL INFORMATIOS ANTA FE. NEW MEDICO Street or Post Office Address C/O Glenn's Water Well Service FB 1 Pm 1 29 Vell was drilled under Permit No. C-2518 and is located in the: a. 4 4 5W 4 SE 4 of Section 8 Township 25 Range 29 N.M.P.M. b. Tract No. of Map No. of the Subdivision, recorded in County. d. X= feet, Y= feet, N.M. Coordinate System Zone is the Grant BD Drilling Contractor Glenn's Water Well Service License No. WD -421 Address P.O. Box 692 Tatum, NM 88267 Drilling Began 6-2-97 Completed 6-2-97 Type tools rotary Size of hole 7 7/8 in Section of land surface or at well is ft. Total depth of well 462 ft. Section 2. PRINCIPAL WATER-BEARING STRATA Depth in Feet Thickness Description of Water-Bearing Formation (sealong contractor reminula)
a
b. Tract No of Map No of the C. Lot No of Block No of the County. d. X= feet, Y= feet, N.M. Coordinate System Zone in the Crant
c. Lot No of Block No of the County. d. X= feet, Y= feet, N.M. Coordinate System Zone in the Grant
Subdivision, recorded in County. d. X= feet, Y= feet, N.M. Coordinate System Zone in the Grant
d. X=feet, Y=feet, N.M. Coordinate SystemZone in the
Drilling Contractor Glenn's Water Well SErvice License No. WD -421 Completed P.O. Box 692 Tatum, NM 88267 Completed 6-2-97 Type tools rotary Size of hole 7 7/8 in the second of land surface or at well is ft. Total depth of well 462 ft. Total depth of well 462 Completed well is
Idress P.O. Box 692 Tatum, NM 88267 illing Began 6-2-97 Completed 6-2-97 Type tools rotary Size of hole 7 7/8 in evation of land surface or at well is ft. Total depth of well 462 ft. mpleted well is shallow artesian. Depth to water upon completion of well ft. Section 2. PRINCIPAL WATER-BEARING STRATA Depth in Feet Thickness Bestimated Yield
evation of land surface orat well isft. Total depth of wellft mpleted well isshallow artesian. Depth to water upon completion of wellft Section 2. PRINCIPAL WATER-BEARING STRATA Depth in Feet Thickness
mpleted well is shallow artesian. Depth to water upon completion of wellfi Section 2. PRINCIPAL WATER-BEARING STRATA Depth in Feet Thickness Deviation of Water upon completion of wellfi
Section 2. PRINCIPAL WATER-BEARING STRATA Depth in Feet Thickness Estimated Yield
Depth in Feet Thickness Passistics of Water Passis Estimated Yield
Description of Water Description of
From To in Feet Description of water-bearing rormation (gailons per minute)
dry hole
Section 3. RECORD OF CASING
Diameter Pounds Threads Depth in Feet Length (inches) per foot per in. Top Bottom (feet) Type of Shoe From To
none
Section 4. RECORD OF MUDDING AND CEMENTING
Depth in Feet Hole Sacks Cubic Feet Method of Placement From To Diameter of Mud of Cement Method of Placement
Section 5. PLUGGING RECORD
gging Contractor well was back filled with cutting dress and drilling mud Depth in Feet Cubic Feet
gging Method No. Depth in Feet Cubic Feet Top Bottom of Cement
e Well Plugged 1 0 460 cutting 8
gging approved by:
State Engineer Representative 4
FOR USE OF STATE ENGINEER ONLY te Received 06-10-97
Quad FWL FSL
File No. C-2518 Use OWD Location No. 258.29E.8.43412

Depth	in Feet	Thickness	Section 6. LOG OF HOLE .
From	То	in Feet	Color and Type of Material Encountered
0	2	2	soil
2	15	13	caleche & sand
15	25	10	sand & gravel
25	105	80	red clay
105	305	200	brown clay
305	345	40	red clay
345	405	60	anhydrite
405	415	10	redish lime & anhydrite
415	450	35	anhydrite
450	460	10	red clay
· ·			
-			
	P. D. San		
	1 17	Section 7	. REMARKS AND ADDITIONAL INFORMATION
	. 1044	* *	

ST JUN IU PM 1 17

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

Driller

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate district office of the State Engineer. All sections, except on 5, shall be answered as completely and ately as possible when any well is drilled, repaired or deepened. When this form is ed as a plugging record, only Section 1(a) and Section 5 need be completed.



USGS Home Contact USGS Search USGS

National Water Information System: Web Interface

USGS Water Resources (Cooperator Access)

Data Category:
Groundwater

Groundwater

Geographic Area:
United States

GO

Click to hideNews Bulletins

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

Groundwater levels for the Nation

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

Search Results -- 1 sites found

site_no list =

320739103584201

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 320739103584201 25S.29E.15.31134

Available data for this site Groundwater: Field measurements GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°07'39", Longitude 103°58'42" NAD27

Land-surface elevation 3,017 feet above NAVD88

The depth of the well is 192 feet below land surface.

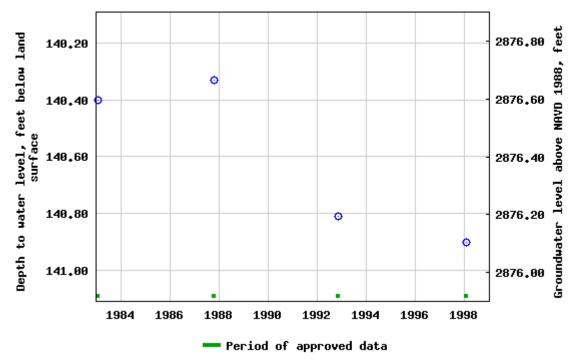
This well is completed in the Other aquifers (N9999OTHER) national aquifer.

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

Output formats

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

USGS 320739103584201 255,29E,15,31134



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

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
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News

Accessibility FOIA Privacy Policies and Notices

<u>U.S. Department of the Interior</u> | <u>U.S. Geological Survey</u>

Title: Groundwater for USA: Water Levels

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

Page Contact Information: <u>USGS Water Data Support Team</u>

Page Last Modified: 2022-02-08 13:20:05 EST

0.67 0.61 nadww02





APPENDIX B

Photographic Log

ENSOLUM

Photographic Log

XTO Energy, Inc. Corral Canyon 8-32 Fed 163H Incident Numbers NAPP2134755985, NAPP2201252570, & NAPP2200359627





Photograph 1

Date: May 17, 2022

Description: View of release extent facing west.

Photograph 2

Description: View of excavation facing south.





Photograph 3

Date: July 8, 2022

Date: July 8, 2022

Date: July 7, 2022

Description: View of final excavation facing southeast.

Description: View of final excavation facing east.

Photograph 4



APPENDIX C

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: 890-2650-1

Laboratory Sample Delivery Group: Eddy County

Client Project/Site: Corral Canyon 8-32

For:

Ensolum 705 W. Wadley Suite 210 Midland, Texas 79701

Attn: Tacoma Morrissey

JURAMER

Authorized for release by: 7/27/2022 3:44:01 PM

Jessica Kramer, Project Manager (432)704-5440

Jessica.Kramer@et.eurofinsus.com

LINKS

Review your project results through

Have a Question?



Visit us at:

www.eurofinsus.com/Env
Released to Imaging: 8/10/2022 4:10:51 PM

resource relate erry to the lee

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11

13

12

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

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

Client: Ensolum
Project/Site: Corral Canyon 8-32
Laboratory Job ID: 890-2650-1
SDG: Eddy County

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	q	

	v	

Definitions/Glossary

Job ID: 890-2650-1 Client: Ensolum Project/Site: Corral Canyon 8-32 SDG: Eddy County

Qualifiers

GC VOA Qualifier

Qualifier Description F1 MS and/or MSD recovery exceeds control limits.

F2 MS/MSD RPD exceeds control limits

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description**

LCS/LCSD RPD 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

DFR 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

Decision Level Concentration (Radiochemistry) DLC

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

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

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

NC Not Calculated

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

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

TNTC Too Numerous To Count

Eurofins Carlsbad

Case Narrative

Client: Ensolum

Project/Site: Corral Canyon 8-32

Job ID: 890-2650-1

SDG: Eddy County

Job ID: 890-2650-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-2650-1

Receipt

The sample was received on 7/26/2022 8:47 AM. 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 2.0°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-30709 and analytical batch 880-30747 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

GC Semi VOA

Method 8015MOD NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-30765 and analytical batch 880-30743 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

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 Sample Results

Client: Ensolum Job ID: 890-2650-1
Project/Site: Corral Canyon 8-32 SDG: Eddy County

Client Sample ID: SS02

Lab Sample ID: 890-2650-1

Matrix: Solid

Date Collected: 07/25/22 13:10 Date Received: 07/26/22 08:47

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00199	U	0.00199	mg/Kg		07/27/22 10:00	07/27/22 12:59	
Toluene	< 0.00199	U	0.00199	mg/Kg		07/27/22 10:00	07/27/22 12:59	
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		07/27/22 10:00	07/27/22 12:59	
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		07/27/22 10:00	07/27/22 12:59	
o-Xylene	< 0.00199	U	0.00199	mg/Kg		07/27/22 10:00	07/27/22 12:59	
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/27/22 10:00	07/27/22 12:59	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	112		70 - 130			07/27/22 10:00	07/27/22 12:59	
1,4-Difluorobenzene (Surr)	89		70 - 130			07/27/22 10:00	07/27/22 12:59	1
Method: Total BTEX - Total BTEX	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00398	U	0.00398	mg/Kg			07/27/22 13:21	
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			07/27/22 15:34	1
Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		07/27/22 08:40	07/27/22 12:58	
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U *1	49.9	mg/Kg		07/27/22 08:40	07/27/22 12:58	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		07/27/22 08:40	07/27/22 12:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	89		70 - 130			07/27/22 08:40	07/27/22 12:58	1
p-Terphenyl	91		70 - 130			07/27/22 08:40	07/27/22 12:58	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	307		5.03	mg/Kg			07/27/22 14:48	1

Surrogate Summary

Client: Ensolum Job ID: 890-2650-1
Project/Site: Corral Canyon 8-32 SDG: Eddy County

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Re
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-17263-A-16-E MS	Matrix Spike	114	86	
880-17263-A-16-F MSD	Matrix Spike Duplicate	115	94	
890-2650-1	SS02	112	89	
LCS 880-30709/1-A	Lab Control Sample	110	99	
LCSD 880-30709/2-A	Lab Control Sample Dup	104	95	
MB 880-30709/5-A	Method Blank	101	84	
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

		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-17301-A-1-E MS	Matrix Spike	99	88
880-17301-A-1-F MSD	Matrix Spike Duplicate	99	89
890-2650-1	SS02	89	91
LCS 880-30765/2-A	Lab Control Sample	89	82
LCSD 880-30765/3-A	Lab Control Sample Dup	107	108
MB 880-30765/1-A	Method Blank	82	83

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Eurofins Carlsbad

QC Sample Results

Client: Ensolum Job ID: 890-2650-1 Project/Site: Corral Canyon 8-32 SDG: Eddy County

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-30709/5-A

Matrix: Solid Analysis Batch: 30747 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 30709

	MB	MB					
Analyte	Result	Qualifier	RL	Unit D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg	07/27/22 08:00	07/27/22 10:54	1
Toluene	<0.00200	U	0.00200	mg/Kg	07/27/22 08:00	07/27/22 10:54	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg	07/27/22 08:00	07/27/22 10:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg	07/27/22 08:00	07/27/22 10:54	1
o-Xylene	<0.00200	U	0.00200	mg/Kg	07/27/22 08:00	07/27/22 10:54	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg	07/27/22 08:00	07/27/22 10:54	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	07/27/22 08:00	07/27/22 10:54	1
1,4-Difluorobenzene (Surr)	84		70 - 130	07/27/22 08:00	07/27/22 10:54	1

Lab Sample ID: LCS 880-30709/1-A **Client Sample ID: Lab Control Sample**

Matrix: Solid

Analysis Batch: 30747

Prep Type: Total/NA Prep Batch: 30709

Spike LCS LCS Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.09414 mg/Kg 94 70 - 130 Toluene 0.100 0.09289 mg/Kg 93 70 - 130 0.100 0.09941 Ethylbenzene mg/Kg 99 70 - 130 0.200 0.1985 99 70 - 130 m-Xylene & p-Xylene mg/Kg 0.100 0.1087 70 - 130 o-Xylene mg/Kg 109

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-30709/2-A

Matrix: Solid

Analysis Batch: 30747

Client San	iple ID: Lal	Control	Sample	Dup
-------------------	--------------	----------------	--------	-----

Prep Type: Total/NA

Prep Batch: 30709

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.09253		mg/Kg		93	70 - 130	2	35	
Toluene	0.100	0.09148		mg/Kg		91	70 - 130	2	35	
Ethylbenzene	0.100	0.09626		mg/Kg		96	70 - 130	3	35	
m-Xylene & p-Xylene	0.200	0.1928		mg/Kg		96	70 - 130	3	35	
o-Xylene	0.100	0.1052		mg/Kg		105	70 - 130	3	35	

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1.4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 880-17263-A-16-E MS

Matrix: Solid

Analysis Batch: 30747

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

Prep Batch: 30709

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00199	U F1	0.0998	0.03151	F1	mg/Kg	_	32	70 - 130	
Toluene	<0.00199	U F1	0.0998	0.03037	F1	mg/Kg		30	70 - 130	

Eurofins Carlsbad

Prep Batch: 30709

Prep Type: Total/NA

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 30765

QC Sample Results

Client: Ensolum Job ID: 890-2650-1 Project/Site: Corral Canyon 8-32 SDG: Eddy County

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

Lab Sample ID: 880-17263-A-16-E MS Client Sample ID: Matrix Spike Prep Type: Total/NA

Matrix: Solid Analysis Batch: 30747

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Ethylbenzene <0.00199 UF1 0.0998 0.02646 F1 27 70 - 130 mg/Kg m-Xylene & p-Xylene <0.00398 UF1F2 0.200 0.03952 F1 mg/Kg 20 70 - 130 0.0998 <0.00199 UF1 0.02829 F1 28 70 - 130 o-Xylene mg/Kg

MS MS Surrogate %Recovery Qualifier Limits 70 - 130 4-Bromofluorobenzene (Surr) 114 1,4-Difluorobenzene (Surr) 70 - 130 86

Lab Sample ID: 880-17263-A-16-F MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 30747									Prep	Batch:	30709
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00199	U F1	0.0994	0.03891	F1	mg/Kg		39	70 - 130	21	35
Toluene	<0.00199	U F1	0.0994	0.03672	F1	mg/Kg		37	70 - 130	19	35
Ethylbenzene	<0.00199	U F1	0.0994	0.03381	F1	mg/Kg		34	70 - 130	24	35
m-Xylene & p-Xylene	<0.00398	U F1 F2	0.199	0.06725	F1 F2	mg/Kg		34	70 - 130	52	35
o-Xylene	<0.00199	U F1	0.0994	0.03668	F1	mg/Kg		37	70 - 130	26	35

MSD MSD Surrogate Qualifier Limits %Recovery 70 - 130 4-Bromofluorobenzene (Surr) 115 1,4-Difluorobenzene (Surr) 94 70 - 130

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

Lab Sample ID: MB 880-30765/1-A

Matrix: Solid

Analysis Batch: 30743

	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		07/27/22 08:40	07/27/22 09:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/27/22 08:40	07/27/22 09:41	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/27/22 08:40	07/27/22 09:41	1

MB MB %Recovery Qualifier Limits Prepared Dil Fac Surrogate Analyzed 70 - 130 1-Chlorooctane 82 07/27/22 08:40 07/27/22 09:41 83 70 - 130 07/27/22 08:40 07/27/22 09:41 o-Terphenyl

Lab Sample ID: LCS 880-30765/2-A Client Sample ID: Lab Control Sample

Analysis Batch: 30743

Matrix: Solid

Prep Batch: 30765 Spike LCS LCS %Rec

	-						
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Gasoline Range Organics	1000	1071		mg/Kg		107	70 - 130
(GRO)-C6-C10							
Diesel Range Organics (Over	1000	848.8		mg/Kg		85	70 - 130
C40 C28)							

C10-C28)

Eurofins Carlsbad

Prep Type: Total/NA

Project/Site: Corral Canyon 8-32

Job ID: 890-2650-1

SDG: Eddy County

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

LCS LCS

Lab Sample ID: LCS 880-30765/2-A

Matrix: Solid

Analysis Batch: 30743

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

Prep Batch: 30765

Surrogate %Recovery Qualifier Limits 1-Chlorooctane 89 70 - 130 o-Terphenyl 82 70 - 130

Lab Sample ID: LCSD 880-30765/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Client: Ensolum

Analysis Batch: 30743

Prep Type: Total/NA

Prep Batch: 30765

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit D %Rec Limits **RPD** Limit 1000 1037 104 70 - 1303 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 1108 *1 mg/Kg 111 70 - 13026 20

C10-C28)

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	108		70 - 130

Lab Sample ID: 880-17301-A-1-E MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 30743

Prep Type: Total/NA

Prep Batch: 30765

Sample Sample Spike MS MS Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits Gasoline Range Organics <50.0 U 1000 1100 mg/Kg 106 70 - 130 (GRO)-C6-C10 <50.0 U *1 Diesel Range Organics (Over 1000 760.4 mg/Kg 76 70 - 130 C10-C28)

MS MS %Recovery Qualifier Surrogate Limits 70 - 130 1-Chlorooctane 99 o-Terphenyl 88 70 - 130

Lab Sample ID: 880-17301-A-1-F MSD Client Sample ID: Matrix Spike Duplicate

Analysis Batch: 30743

Matrix: Solid

Prep Type: Total/NA Prep Batch: 30765 RPD %Rec

Sample Sample MSD MSD Spike Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Gasoline Range Organics <50.0 U 999 1099 106 mg/Kg 70 - 130 n 20 (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U *1 999 782.1 mg/Kg 78 70 - 130 3 20 C10-C28)

MSD MSD %Recovery Qualifier Surrogate Limits 1-Chlorooctane 99 70 - 130 89 70 - 130 o-Terphenyl

Eurofins Carlsbad

QC Sample Results

Client: Ensolum Job ID: 890-2650-1 Project/Site: Corral Canyon 8-32 SDG: Eddy County

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-30791/1-A

Matrix: Solid

Analysis Batch: 30793

Analyte

Chloride

Client Sample ID: Method Blank **Prep Type: Soluble**

мв мв Dil Fac Result Qualifier RL Unit D Prepared Analyzed <5.00 U 5.00 mg/Kg 07/27/22 11:26

Lab Sample ID: LCS 880-30791/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 30793

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 251.0 mg/Kg 100 90 - 110

Lab Sample ID: LCSD 880-30791/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 30793

LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 250.9 mg/Kg 100 90 - 110

Lab Sample ID: 890-2649-A-1-F MS Client Sample ID: Matrix Spike **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 30793

MS MS Sample Sample Spike %Rec Analyte Result Qualifier Added %Rec Result Qualifier Unit Limits Chloride 569 497 1041 90 - 110 mg/Kg

Lab Sample ID: 890-2649-A-1-G MSD

Matrix: Solid

Analysis Batch: 30793

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit 497 Chloride 569 1024 mg/Kg 92 90 - 110 20

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Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

QC Association Summary

Client: Ensolum

Project/Site: Corral Canyon 8-32

Job ID: 890-2650-1 SDG: Eddy County

GC VOA

Prep Batch: 30709

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2650-1	SS02	Total/NA	Solid	5035	
MB 880-30709/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-30709/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-30709/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-17263-A-16-E MS	Matrix Spike	Total/NA	Solid	5035	
880-17263-A-16-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 30747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2650-1	SS02	Total/NA	Solid	8021B	30709
MB 880-30709/5-A	Method Blank	Total/NA	Solid	8021B	30709
LCS 880-30709/1-A	Lab Control Sample	Total/NA	Solid	8021B	30709
LCSD 880-30709/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	30709
880-17263-A-16-E MS	Matrix Spike	Total/NA	Solid	8021B	30709
880-17263-A-16-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	30709

Analysis Batch: 30817

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2650-1	SS02	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 30743

Lab Sample ID 890-2650-1	Client Sample ID SS02	Prep Type Total/NA	Matrix Solid	Method 8015B NM	Prep Batch 30765
MB 880-30765/1-A	Method Blank	Total/NA	Solid	8015B NM	30765
LCS 880-30765/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	30765
LCSD 880-30765/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	30765
880-17301-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	30765
880-17301-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	30765

Prep Batch: 30765

Lab Sample ID 890-2650-1	Client Sample ID SS02	Prep Type Total/NA	Matrix Solid	Method 8015NM Prep	Prep Batch
MB 880-30765/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-30765/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-30765/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-17301-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-17301-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 30834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2650-1	SS02	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 30791

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2650-1	SS02	Soluble	Solid	DI Leach	
MB 880-30791/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-30791/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-30791/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Ensolum
Project/Site: Corral Canyon 8-32
Job ID: 890-2650-1
SDG: Eddy County

HPLC/IC (Continued)

Leach Batch: 30791 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2649-A-1-F MS	Matrix Spike	Soluble	Solid	DI Leach	
890-2649-A-1-G MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 30793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2650-1	SS02	Soluble	Solid	300.0	30791
MB 880-30791/1-A	Method Blank	Soluble	Solid	300.0	30791
LCS 880-30791/2-A	Lab Control Sample	Soluble	Solid	300.0	30791
LCSD 880-30791/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	30791
890-2649-A-1-F MS	Matrix Spike	Soluble	Solid	300.0	30791
890-2649-A-1-G MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	30791

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Date Received: 07/26/22 08:47

Lab Chronicle

Client: Ensolum Job ID: 890-2650-1 Project/Site: Corral Canyon 8-32 SDG: Eddy County

Client Sample ID: SS02

Lab Sample ID: 890-2650-1 Date Collected: 07/25/22 13:10

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	30709	07/27/22 10:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30747	07/27/22 12:59	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30817	07/27/22 13:21	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30834	07/27/22 15:34	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	30765	07/27/22 08:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30743	07/27/22 12:58	SM	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	30791	07/27/22 11:00	SMC	XEN MID
Soluble	Analysis	300.0		1			30793	07/27/22 14:48	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: 890-2650-1 Project/Site: Corral Canyon 8-32

SDG: Eddy County

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 analytes the agency does not of	• •	ut the laboratory is not certifi	ied by the governing authority. This list ma	ay include analytes for
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	Total TPH	
Total BTEX		Solid	Total BTEX	

Method Summary

Client: Ensolum

Project/Site: Corral Canyon 8-32

Job ID: 890-2650-1

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 8-32

Job ID: 890-2650-1

SDG: Eddy County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-2650-1	SS02	Solid	07/25/22 13:10	07/26/22 08:47

Chain of Custody

Revised Date: 08/25/2020 Rev. 2020.2

Superfund Level IV DI Water: H₂O 5598 1487220035463 NAPP 220 25257C HNO 3: HN MeOH: Me NaOH: Na NaOH+Ascorbic Acid: SAPC Sample Comments Preservative Codes Zn Acetate+NaOH: Zn 158965100 Reporting: Level II | PST/UST | TRRP RRC Na25203: NaSO 3 8RCRA 13PPM Texas 11 AI Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr TI Sn U V Zn Other: NaHSO 4: NABIS Hg: 1631 / 245.1 / 7470 / 7471 UST/PST | PRP | Brownfields | 4250 4: H2 H3PO4: HP None: NO Cool: Cool Page Inc HCL: HC Work Order Comments ADaPT 🗌 www.xenco.com Work Order No: EDD State of Project: Deliverables: Program: 890-2650 Chain of Custody ANALYSIS REQUEST garrest, greena exx en mobile com 88220 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 Green Tollet XPO # of Cont Code Code Parameters Bill to: (if different) Grab/ Comp Company Name City, State ZIP: 5 TAT starts the day received by the lab, if received by 4:30pm いくとこと No No Rush 746 Address: 717 Depth Turn Around Routine Due Date: Sampled 88220 Corrected Temperature: Wet Ice: Temperature Reading: Time VarICS **Environment Testing** Correction Factor: Thermometer ID: Nocossey (Yes/No Date Sampled 57-2 anjun 83 ×07 ant δ' Matrix Xenco Yes No MI/A Temp Blank: 200.8 / 6020: (Yes) No Yes No acons 1/00/2 CXTON 💸 eurofins Sample Identification Samples Received Intact: Total 200.7 / 6010 Cooler Custody Seals: Sample Custody Seals: SAMPLE RECEIPT Project Number: **Fotal Containers:** Project Manager: Company Name: Project Location: Sampler's Name: City, State ZIP: Project Name: Address: Phone: PO #:

TCLP/SPLP6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U

Circle Method(s) and Metal(s) to be analyzed

Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-2650-1 SDG Number: Eddy County

List Source: Eurofins Carlsbad

List Number: 1

Login Number: 2650

Creator: Kramer, Jessica

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.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

4

7/27/2022

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-2650-1 SDG Number: Eddy County

Login Number: 2650 List Source: Eurofins Midland List Number: 2

List Creation: 07/27/22 10:48 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	N/A	

<6mm (1/4").

Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-2649-1

Laboratory Sample Delivery Group: Eddy County

Client Project/Site: Corral Canyon 8-32

For:

Ensolum 705 W. Wadley Suite 210 Midland, Texas 79701

Attn: Tacoma Morrissey

RAMER

7/27/2022 3:43:48 PM

Jessica Kramer, Project Manager (432)704-5440

Jessica.Kramer@et.eurofinsus.com

Authorized for release by:

Review your project results through EOL **Have a Question?**

····· Links ······

Visit us at:

www.eurofinsus.com/Env Released to Imaging: 8/10/2022 4:10:51 PM 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.

This report has been electronically signed and authorized by the signatory. Electronic

Client: Ensolum
Project/Site: Corral Canyon 8-32
Laboratory Job ID: 890-2649-1
SDG: Eddy County

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Definitions/Glossary

Job ID: 890-2649-1 Client: Ensolum Project/Site: Corral Canyon 8-32 SDG: Eddy County

Qualifiers

GC VOA Qualifier

Qualifier Description F1 MS and/or MSD recovery exceeds control limits.

F2 MS/MSD RPD exceeds control limits

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description**

LCS/LCSD RPD 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

DFR 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

Decision Level Concentration (Radiochemistry) DLC

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

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

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

NC Not Calculated

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

NEG Negative / Absent POS Positive / Present PQL Practical Quantitation Limit

PRES Presumptive

QC

Quality Control RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

TNTC Too Numerous To Count

Case Narrative

Client: Ensolum

Project/Site: Corral Canyon 8-32

Job ID: 890-2649-1

SDG: Eddy County

Job ID: 890-2649-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-2649-1

Receipt

The sample was received on 7/26/2022 8:47 AM. 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 2.0°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-30709 and analytical batch 880-30747 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

GC Semi VOA

Method 8015MOD NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-30765 and analytical batch 880-30743 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

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: 890-2649-1

Client Sample Results

Client: Ensolum Job ID: 890-2649-1
Project/Site: Corral Canyon 8-32 SDG: Eddy County

Client Sample ID: SS03

Date Collected: 07/25/22 13:20 Date Received: 07/26/22 08:47

Sample Depth: 6"

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		07/27/22 10:00	07/27/22 12:38	
Toluene	<0.00199	U	0.00199	mg/Kg		07/27/22 10:00	07/27/22 12:38	•
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		07/27/22 10:00	07/27/22 12:38	,
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		07/27/22 10:00	07/27/22 12:38	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/27/22 10:00	07/27/22 12:38	•
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/27/22 10:00	07/27/22 12:38	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130			07/27/22 10:00	07/27/22 12:38	
1,4-Difluorobenzene (Surr)	85		70 - 130			07/27/22 10:00	07/27/22 12:38	:
Method: Total BTEX - Total BT	EX Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			07/27/22 13:21	•
Method: 8015 NM - Diesel Ran	ge Organics (DR	O) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	84.4		49.9	mg/Kg			07/27/22 15:34	1
Method: 8015B NM - Diesel Ra	nge Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		07/27/22 08:40	07/27/22 12:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9	mg/Kg		07/27/22 08:40	07/27/22 12:37	1
Oll Range Organics (Over C28-C36)	84.4		49.9	mg/Kg		07/27/22 08:40	07/27/22 12:37	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	81		70 - 130			07/27/22 08:40	07/27/22 12:37	1
o-Terphenyl	82		70 - 130			07/27/22 08:40	07/27/22 12:37	
Method: 300.0 - Anions, Ion Cl	nromatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	569		4.97	mg/Kg			07/27/22 14:21	1

Surrogate Summary

Client: Ensolum Job ID: 890-2649-1
Project/Site: Corral Canyon 8-32 SDG: Eddy County

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Red
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-17263-A-16-E MS	Matrix Spike	114	86	
880-17263-A-16-F MSD	Matrix Spike Duplicate	115	94	
890-2649-1	SS03	107	85	
LCS 880-30709/1-A	Lab Control Sample	110	99	
LCSD 880-30709/2-A	Lab Control Sample Dup	104	95	
MB 880-30709/5-A	Method Blank	101	84	
Surrogate Legend				
BFB = 4-Bromofluorobenze	ene (Surr)			
DFBZ = 1,4-Difluorobenzer	ne (Surr)			

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

Matrix: Solid Prep Type: Total/NA

		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-17301-A-1-E MS	Matrix Spike	99	88
880-17301-A-1-F MSD	Matrix Spike Duplicate	99	89
890-2649-1	SS03	81	82
LCS 880-30765/2-A	Lab Control Sample	89	82
LCSD 880-30765/3-A	Lab Control Sample Dup	107	108
MB 880-30765/1-A	Method Blank	82	83

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Eurofins Carlsbad

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QC Sample Results

Client: Ensolum Job ID: 890-2649-1 Project/Site: Corral Canyon 8-32 SDG: Eddy County

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-30709/5-A

Matrix: Solid Analysis Batch: 30747 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 30709

	MB	MR						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/27/22 08:00	07/27/22 10:54	•
Toluene	<0.00200	U	0.00200	mg/Kg		07/27/22 08:00	07/27/22 10:54	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/27/22 08:00	07/27/22 10:54	
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		07/27/22 08:00	07/27/22 10:54	
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/27/22 08:00	07/27/22 10:54	
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/27/22 08:00	07/27/22 10:54	

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MD MD

Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	-	07/27/22 08:00	07/27/22 10:54	1
1,4-Difluorobenzene (Surr)	84		70 - 130		07/27/22 08:00	07/27/22 10:54	1

Lab Sample ID: LCS 880-30709/1-A

Matrix: Solid

Analysis Batch: 30747

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 30709

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09414		mg/Kg		94	70 - 130	
Toluene	0.100	0.09289		mg/Kg		93	70 - 130	
Ethylbenzene	0.100	0.09941		mg/Kg		99	70 - 130	
m-Xylene & p-Xylene	0.200	0.1985		mg/Kg		99	70 - 130	
o-Xylene	0.100	0.1087		mg/Kg		109	70 - 130	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits		
4-Bromofluorobenzene (Surr)	110		70 - 130		
1,4-Difluorobenzene (Surr)	99		70 - 130		

Lab Sample ID: LCSD 880-30709/2-A

Matrix: Solid

Analysis Batch: 30747

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 30709

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.09253		mg/Kg		93	70 - 130	2	35	
Toluene	0.100	0.09148		mg/Kg		91	70 - 130	2	35	
Ethylbenzene	0.100	0.09626		mg/Kg		96	70 - 130	3	35	
m-Xylene & p-Xylene	0.200	0.1928		mg/Kg		96	70 - 130	3	35	
o-Xylene	0.100	0.1052		mg/Kg		105	70 - 130	3	35	

LCSD LCSD

Surrogate	%Recovery Qu	ıalifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1.4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 880-17263-A-16-E MS

Matrix: Solid

Analysis Batch: 30747

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

Prep Batch: 30709

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00199	U F1	0.0998	0.03151	F1	mg/Kg	_	32	70 - 130	
Toluene	< 0.00199	U F1	0.0998	0.03037	F1	mg/Kg		30	70 - 130	

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QC Sample Results

Client: Ensolum Job ID: 890-2649-1
Project/Site: Corral Canyon 8-32 SDG: Eddy County

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

Lab Sample ID: 880-17263-A-16-E MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 30747

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00199	U F1	0.0998	0.02646	F1	mg/Kg		27	70 - 130	
m-Xylene & p-Xylene	<0.00398	U F1 F2	0.200	0.03952	F1	mg/Kg		20	70 - 130	
o-Xylene	<0.00199	U F1	0.0998	0.02829	F1	mg/Kg		28	70 - 130	
	446	MC								

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Surrogate	%Recovery Qua	lifier Limits
4-Bromofluorobenzene (Surr)	114	70 - 130
1,4-Difluorobenzene (Surr)	86	70 - 130

Lab Sample ID: 880-17263-A-16-F MSD

Matrix: Solid

Analysis Batch: 30747

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

Prep Type: Total/NA Prep Batch: 30709

Prep Type: Total/NA

Prep Batch: 30709

Sample Sample Spike MSD MSD %Rec Result Qualifier Added Result Qualifier RPD Limit Analyte Unit %Rec Limits 0.0994 0.03891 F1 Benzene <0.00199 UF1 mg/Kg 39 70 - 130 21 35 Toluene 0.0994 37 <0.00199 UF1 0.03672 F1 mg/Kg 70 - 130 19 35 Ethylbenzene <0.00199 UF1 0.0994 0.03381 F1 mg/Kg 34 70 - 130 24 35 <0.00398 UF1F2 0.199 0.06725 F1 F2 70 - 130 35 m-Xylene & p-Xylene mg/Kg 34 52 0.0994 <0.00199 UF1 0.03668 F1 37 70 - 130 26 o-Xylene mg/Kg

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

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

Lab Sample ID: MB 880-30765/1-A

Matrix: Solid

Analysis Batch: 30743

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

Prep Batch: 30765

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	IVID	IAID						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		07/27/22 08:40	07/27/22 09:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/27/22 08:40	07/27/22 09:41	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/27/22 08:40	07/27/22 09:41	1

MB MB

MR MR

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130	07/27/22 08:40	07/27/22 09:41	1
o-Terphenyl	83		70 - 130	07/27/22 08:40	07/27/22 09:41	1

Lab Sample ID: LCS 880-30765/2-A

Matrix: Solid

Analysis Batch: 30743

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

Prep Batch: 30765

	Бріке	LUS	LUS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1071		mg/Kg		107	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	848 8		ma/Ka		85	70 130	

C10-C28)

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1-Chlorooctane

Released to Imaging: 8/10/2022 4:10:51 PM

Job ID: 890-2649-1

Client: Ensolum Project/Site: Corral Canyon 8-32 SDG: Eddy County

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

Lab Sample ID: LCS 880-30765/2-A Client Sample ID: Lab Control Sample

Matrix: Solid Prep Type: Total/NA Analysis Batch: 30743 Prep Batch: 30765

LCS LCS Surrogate %Recovery Qualifier Limits 1-Chlorooctane 89 70 - 130 o-Terphenyl 82 70 - 130

Lab Sample ID: LCSD 880-30765/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid Prep Type: Total/NA Analysis Batch: 30743 Prep Batch: 30765

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit 1000 1037 104 70 - 1303 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 1108 *1 mg/Kg 111 70 - 13026 20 C10-C28)

LCSD LCSD Surrogate %Recovery Qualifier Limits 107 70 - 130 1-Chlorooctane 108 70 - 130 o-Terphenyl

Lab Sample ID: 880-17301-A-1-E MS Client Sample ID: Matrix Spike

Matrix: Solid Prep Type: Total/NA

Analysis Batch: 30743 Prep Batch: 30765 Sample Sample MS MS Spike

Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits Gasoline Range Organics <50.0 U 1000 1100 mg/Kg 106 70 - 130 (GRO)-C6-C10 <50.0 U *1 Diesel Range Organics (Over 1000 760.4 mg/Kg 76 70 - 130 C10-C28)

MS MS %Recovery Qualifier Surrogate Limits

99

o-Terphenyl 88 70 - 130 Lab Sample ID: 880-17301-A-1-F MSD Client Sample ID: Matrix Spike Duplicate

70 - 130

Matrix: Solid Prep Type: Total/NA Analysis Batch: 30743 Prep Batch: 30765

MSD MSD RPD Sample Sample Spike %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit <50.0 U 999 1099 Gasoline Range Organics 106 70 - 130 n 20 mg/Kg

(GRO)-C6-C10 Diesel Range Organics (Over <50.0 U *1 999 782.1 mg/Kg 78 70 - 130 3 20 C10-C28)

MSD MSD %Recovery Qualifier Surrogate Limits 1-Chlorooctane 99 70 - 130 89 70 - 130 o-Terphenyl

Client Sample ID: Method Blank

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Client Sample ID: SS03

Client Sample ID: SS03

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

Job ID: 890-2649-1

Client: Ensolum Project/Site: Corral Canyon 8-32 SDG: Eddy County

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-30791/1-A

Matrix: Solid

Analysis Batch: 30793

MB MB

Analyte Result Qualifier RLUnit D Prepared Analyzed Dil Fac Chloride <5.00 U 5.00 mg/Kg 07/27/22 11:26

Lab Sample ID: LCS 880-30791/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 30793

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 251.0 mg/Kg 100 90 - 110

Lab Sample ID: LCSD 880-30791/3-A Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 30793

LCSD LCSD RPD Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 250.9 mg/Kg 100 90 - 110

Lab Sample ID: 880-17397-A-1-B MS Client Sample ID: Matrix Spike **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 30793

MS MS Sample Sample Spike %Rec Added Analyte Result Qualifier Result Qualifier Unit %Rec Limits Chloride 94.1 498 607.5 103 90 - 110 mg/Kg

Lab Sample ID: 880-17397-A-1-C MSD

Matrix: Solid

Analysis Batch: 30793

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 94 1 498 607.7 mg/Kg 103 90 - 110

Lab Sample ID: 890-2649-1 MS

Matrix: Solid

Analysis Batch: 30793

Sample Sample Spike MS MS %Rec Result Qualifier Added Analyte Result Qualifier Unit D %Rec Limits Chloride 569 497 1041 mg/Kg 95 90 - 110

Lab Sample ID: 890-2649-1 MSD

Matrix: Solid

Analysis Batch: 30793

MSD MSD %Rec RPD Sample Sample Spike Result Qualifier Analyte Added Result Qualifier Limits RPD Limit Unit %Rec Chloride 569 497 1024 mg/Kg 92 90 - 110 20

QC Association Summary

Client: Ensolum

Project/Site: Corral Canyon 8-32

Job ID: 890-2649-1 SDG: Eddy County

GC VOA

Prep Batch: 30709

Lab Sample ID 890-2649-1	Client Sample ID SS03	Prep Type Total/NA	Matrix Solid	Method 5035	Prep Batch
MB 880-30709/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-30709/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-30709/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-17263-A-16-E MS	Matrix Spike	Total/NA	Solid	5035	
880-17263-A-16-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 30747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2649-1	SS03	Total/NA	Solid	8021B	30709
MB 880-30709/5-A	Method Blank	Total/NA	Solid	8021B	30709
LCS 880-30709/1-A	Lab Control Sample	Total/NA	Solid	8021B	30709
LCSD 880-30709/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	30709
880-17263-A-16-E MS	Matrix Spike	Total/NA	Solid	8021B	30709
880-17263-A-16-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	30709

Analysis Batch: 30816

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2649-1	SS03	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 30743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2649-1	SS03	Total/NA	Solid	8015B NM	30765
MB 880-30765/1-A	Method Blank	Total/NA	Solid	8015B NM	30765
LCS 880-30765/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	30765
LCSD 880-30765/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	30765
880-17301-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	30765
880-17301-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	30765

Prep Batch: 30765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2649-1	SS03	Total/NA	Solid	8015NM Prep	
MB 880-30765/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-30765/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-30765/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-17301-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-17301-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 30833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2649-1	SS03	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 30791

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2649-1	SS03	Soluble	Solid	DI Leach	
MB 880-30791/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-30791/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-30791/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Ensolum Job ID: 890-2649-1 Project/Site: Corral Canyon 8-32

SDG: Eddy County

HPLC/IC (Continued)

Leach Batch: 30791 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17397-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-17397-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
890-2649-1 MS	SS03	Soluble	Solid	DI Leach	
890-2649-1 MSD	SS03	Soluble	Solid	DI Leach	

Analysis Batch: 30793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2649-1	SS03	Soluble	Solid	300.0	30791
MB 880-30791/1-A	Method Blank	Soluble	Solid	300.0	30791
LCS 880-30791/2-A	Lab Control Sample	Soluble	Solid	300.0	30791
LCSD 880-30791/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	30791
880-17397-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	30791
880-17397-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	30791
890-2649-1 MS	SS03	Soluble	Solid	300.0	30791
890-2649-1 MSD	SS03	Soluble	Solid	300.0	30791

Lab Chronicle

Client: Ensolum Job ID: 890-2649-1 Project/Site: Corral Canyon 8-32 SDG: Eddy County

Client Sample ID: SS03

Lab Sample ID: 890-2649-1

Matrix: Solid

Date Collected: 07/25/22 13:20 Date Received: 07/26/22 08:47

Prepared		
or Analyzed	Analyst	Lab
07/27/22 10:00	MR	XEN MID
07/27/22 12:38	MR	XEN MID
07/27/22 13:21	SM	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			5.03 g	5 mL	30709	07/27/22 10:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30747	07/27/22 12:38	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30816	07/27/22 13:21	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30833	07/27/22 15:34	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	30765	07/27/22 08:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30743	07/27/22 12:37	SM	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	30791	07/27/22 11:00	SMC	XEN MID
Soluble	Analysis	300.0		1			30793	07/27/22 14:21	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: 890-2649-1 Project/Site: Corral Canyon 8-32

SDG: Eddy County

Laboratory: Eurofins Midland

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

Authority	Pr	rogram	Identification Number	Expiration Date
Texas	NI	ELAP	T104704400-22-24	06-30-23
The following analytes the agency does not of		ut the laboratory is not certif	ied by the governing authority. This list ma	ay include analytes fo
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	Total TPH	
Total BTEX		Solid	Total BTEX	

Method Summary

Client: Ensolum

Method

8021B

Total BTEX

8015 NM

8015B NM

8015NM Prep

DI Leach

300.0

5035

Project/Site: Corral Canyon 8-32

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

Job ID: 890-2649-1

SDG: Eddy County

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

XEN MID

XEN MID

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 8-32

Job ID: 890-2649-1

SDG: Eddy County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2649-1	SS03	Solid	07/25/22 13:20	07/26/22 08:47	6"

ed Date 08/25/2020 Rev. 2020.

Date/Time

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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) 885-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Environment Testing

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Work Order No:

\	,							www.xeiico.com	365	
Project Manager:	score ("	~ Lo((1)SSex		Bill to: (If different)	rent)	Crarett Green	reen	Work Ord	Work Order Comments	
Company Name:	150/um	/		Company Name:	me:	XTO ENERY		Program: UST/PST ☐ PRP ☐	UST/PST PRP Brownfields RRC	Superfund
Address: 3	72 Nation	- Parks 1	SHU	Address:		3)04 Eghane Sr		State of Project:		
City, State ZIP:	1560	2	20/	City, State ZIP:	ė.	Calshad NM 88220	20	Reporting: Level II 🔲 Level III 📋	☐ PST/UST ☐ TRRP ☐ Level IV	Level IV
	1	8307	Email:					Deliverables: EDD	ADaPT Other:	
Project Name:	bora Lano	Carros 8-32	Turn	Turn Aroung			ANALYSIS REQUEST	—	Preservative Codes	Codes
er:	1	28	Routine	Rush	Pres. Code				None: NO	DI Water: H ₂ O
Project Location:	Edde Carat	7	Due Date:	24hc					Cool: Cool	MeOH: Me
Sampler's Name: Po #:			TAT starts the the lab, if rece	TAT starts the day received by the lab, if received by 4:30pm					HCL: HC H ₂ SO ₄ : H ₂	HNO 3: HN NaOH: Na
SAMPLE RECEIPT	Temp Blank:	Mes No	Wet Ice:	(es) No	eters				H ₃ PO ₄ : HP	
Samples Received Intact:	(Nes) No	Thermometer ID:	er ID:	TAM-OF	T SIT				NaHSO 4: NABIS	
Cooler Custody Seals:	Yes No NOTA	Correction Factor:	actor:	S. G.	Pa		890-2649 Chain of Custody	of Custody	Na 2 S 2 O 3: Na SO 3	
Sample Custody Seals:	Yes No (N/A	Temperature Reading:	Reading:	23		X			Zn Acetate+NaOH: Zn	Zn
Total Containers:		Corrected Temperature:	emperature:	2	7	He 7 7			NaOH+Ascorbic Acid: SAPC	id: SAPC
Sample Identification	on Matrix	Date	Time	Depth Grab/	Grab/ # of Comp Cont	11 18)			Sample Comments	nments
See	~	7-25	1320	Lin G	-	1				
					-					
					+					
	_				_		_	_		

Hg: 1631 / 245.1 / 7470 / 7471 Received by: (Signature) Eurofins Xenco. A minimum charge 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. TCLP/SPLP6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U lotice: 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 faerives. 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 Relinquished by: (Signature) Date/Time 1/20c/22 Received by: (Signature) mercala Circle Method(s) and Metal(s) to be analyzed Relinquished by: (Signature)

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

200.8 / 6020:

Total 200.7 / 6010

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-2649-1

SDG Number: Eddy County

Login Number: 2649 List Source: Eurofins Carlsbad

List Number: 1

Creator: Kramer, Jessica

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.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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7/27/2022

Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-2649-1 SDG Number: Eddy County

List Source: Eurofins Midland

Login Number: 2649

List Number: 2 List Creation: 07/27/22 10:48 AM Creator: Rodriguez, Leticia

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	Johnnent
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	
s the Field Sampler's name present on COC?	True	
here are no discrepancies between the containers received and the COC.	True	
amples are received within Holding Time (excluding tests with immediate Ts)	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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ANALYTICAL REPORT

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

Laboratory Job ID: 890-2647-1

Laboratory Sample Delivery Group: Eddy County

Client Project/Site: Corral Canyon 8-32

For:

eurofins 🙀

Ensolum 705 W. Wadley Suite 210 Midland, Texas 79701

Attn: Tacoma Morrissey

JURAMER

Authorized for release by: 7/27/2022 3:43:16 PM

Jessica Kramer, Project Manager (432)704-5440

Jessica.Kramer@et.eurofinsus.com

.....LINKS

Received by OCD: 8/5/2022 1:55:15 PM

Review your project results through

Have a Question?



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signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

This report has been electronically signed and authorized by the signatory. Electronic

Client: Ensolum
Project/Site: Corral Canyon 8-32
Laboratory Job ID: 890-2647-1
SDG: Eddy County

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Definitions/Glossary

Job ID: 890-2647-1 Client: Ensolum Project/Site: Corral Canyon 8-32 SDG: Eddy County

Qualifiers

GC VOA

Qualifier **Qualifier Description** F1 MS and/or MSD recovery exceeds control limits.

F2 MS/MSD RPD exceeds control limits

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description**

LCS/LCSD RPD 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

DFR 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

Decision Level Concentration (Radiochemistry) DLC

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

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

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

NC Not Calculated

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

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

TNTC Too Numerous To Count

Case Narrative

Client: Ensolum

Project/Site: Corral Canyon 8-32

Job ID: 890-2647-1

SDG: Eddy County

Job ID: 890-2647-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-2647-1

Receipt

The sample was received on 7/26/2022 8:47 AM. 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 2.0°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-30709 and analytical batch 880-30747 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

GC Semi VOA

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-30765 and analytical batch 880-30743 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

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: 890-2647-1

Client Sample Results

Client: Ensolum Job ID: 890-2647-1 Project/Site: Corral Canyon 8-32 SDG: Eddy County

Client Sample ID: SS05

Date Collected: 07/25/22 13:40 Date Received: 07/26/22 08:47

Sample Depth: 6"

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		07/27/22 10:00	07/27/22 11:57	1
Toluene	<0.00201	U	0.00201	mg/Kg		07/27/22 10:00	07/27/22 11:57	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		07/27/22 10:00	07/27/22 11:57	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		07/27/22 10:00	07/27/22 11:57	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		07/27/22 10:00	07/27/22 11:57	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		07/27/22 10:00	07/27/22 11:57	,
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			07/27/22 10:00	07/27/22 11:57	1
1,4-Difluorobenzene (Surr)	89		70 - 130			07/27/22 10:00	07/27/22 11:57	1
Method: Total BTEX - Total BT	EX Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			07/27/22 13:21	•
Method: 8015 NM - Diesel Ran	ge Organics (DR	O) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	50.6		50.0	mg/Kg			07/27/22 15:34	1
Method: 8015B NM - Diesel Ra	nge 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		07/27/22 08:40	07/27/22 11:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0	mg/Kg		07/27/22 08:40	07/27/22 11:55	1
Oll Range Organics (Over C28-C36)	50.6		50.0	mg/Kg		07/27/22 08:40	07/27/22 11:55	,
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	90		70 - 130			07/27/22 08:40	07/27/22 11:55	1
o-Terphenyl	94		70 - 130			07/27/22 08:40	07/27/22 11:55	
Method: 300.0 - Anions, Ion Cl	nromatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	289		5.00	mg/Kg			07/27/22 14:02	1

Surrogate Summary

Client: Ensolum Job ID: 890-2647-1
Project/Site: Corral Canyon 8-32 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)	
880-17263-A-16-E MS	Matrix Spike	114	86	
880-17263-A-16-F MSD	Matrix Spike Duplicate	115	94	
890-2647-1	SS05	112	89	
LCS 880-30709/1-A	Lab Control Sample	110	99	
LCSD 880-30709/2-A	Lab Control Sample Dup	104	95	
MB 880-30709/5-A	Method Blank	101	84	
Surrogate Legend				
BFB = 4-Bromofluorobenz	ene (Surr)			
DFBZ = 1,4-Difluorobenze	ene (Surr)			

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

Matrix: Solid Prep Type: Total/NA

		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-17301-A-1-E MS	Matrix Spike	99	88
880-17301-A-1-F MSD	Matrix Spike Duplicate	99	89
890-2647-1	SS05	90	94
LCS 880-30765/2-A	Lab Control Sample	89	82
LCSD 880-30765/3-A	Lab Control Sample Dup	107	108
MB 880-30765/1-A	Method Blank	82	83

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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QC Sample Results

Client: Ensolum Job ID: 890-2647-1 SDG: Eddy County Project/Site: Corral Canyon 8-32

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-30709/5-A

Matrix: Solid Analysis Batch: 30747 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 30709

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/27/22 08:00	07/27/22 10:54	
Toluene	<0.00200	U	0.00200	mg/Kg		07/27/22 08:00	07/27/22 10:54	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/27/22 08:00	07/27/22 10:54	
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		07/27/22 08:00	07/27/22 10:54	
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/27/22 08:00	07/27/22 10:54	
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/27/22 08:00	07/27/22 10:54	

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	07/27/22 08:00	07/27/22 10:54	1
1.4-Difluorobenzene (Surr)	84		70 - 130	07/27/22 08:00	07/27/22 10:54	1

Client Sample ID: Lab Control Sample Lab Sample ID: LCS 880-30709/1-A

Matrix: Solid

Analysis Batch: 30747

Prep Type: Total/NA

Prep Batch: 30709

ı		Opike	LUG	LUG				/orcec	
	Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
	Benzene	0.100	0.09414		mg/Kg		94	70 - 130	
	Toluene	0.100	0.09289		mg/Kg		93	70 - 130	
	Ethylbenzene	0.100	0.09941		mg/Kg		99	70 - 130	
	m-Xylene & p-Xylene	0.200	0.1985		mg/Kg		99	70 - 130	
	o-Xylene	0.100	0.1087		mg/Kg		109	70 - 130	
ı									

LCS LCS

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

Lab Sample ID: LCSD 880-30709/2-A

Matrix: Solid

Analysis Batch: 30747

Prep Type: Total/NA

Prep Batch: 30709

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.09253		mg/Kg		93	70 - 130	2	35	
Toluene	0.100	0.09148		mg/Kg		91	70 - 130	2	35	
Ethylbenzene	0.100	0.09626		mg/Kg		96	70 - 130	3	35	
m-Xylene & p-Xylene	0.200	0.1928		mg/Kg		96	70 - 130	3	35	
o-Xylene	0.100	0.1052		mg/Kg		105	70 - 130	3	35	

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1.4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 880-17263-A-16-E MS

Matrix: Solid

Analysis Batch: 30747

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

Prep Batch: 30709

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00199	U F1	0.0998	0.03151	F1	mg/Kg		32	70 - 130	
Toluene	<0.00199	U F1	0.0998	0.03037	F1	mg/Kg		30	70 - 130	

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Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 30765

Prep Batch: 30709

QC Sample Results

Job ID: 890-2647-1 Client: Ensolum Project/Site: Corral Canyon 8-32 SDG: Eddy County

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

Lab Sample ID: 880-17263-A-16-E MS Client Sample ID: Matrix Spike

Matrix: Solid Analysis Batch: 30747

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits D < 0.00199 U F1 0.0998 0.02646 F1 27 70 - 130 Ethylbenzene mg/Kg m-Xylene & p-Xylene <0.00398 U F2 F1 0.200 0.03952 F1 mg/Kg 20 70 - 130 <0.00199 UF1 0.0998 0.02829 F1 28 70 - 130 o-Xylene mg/Kg

MS MS Surrogate Qualifier Limits %Recovery 70 - 130 4-Bromofluorobenzene (Surr) 114 1,4-Difluorobenzene (Surr) 70 - 130 86

Lab Sample ID: 880-17263-A-16-F MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 30747

Prep Batch: 30709 Sample Sample Spike MSD MSD RPD %Rec RPD Limit Result Qualifier Added Result Qualifier Limits Analyte Unit Benzene <0.00199 U F1 0.0994 0.03891 F1 mg/Kg 39 70 - 130 21 35 Toluene <0.00199 UF1 0.0994 0.03672 F1 mg/Kg 37 70 - 130 19 35 0.0994 0.03381 F1 34 70 - 130 35 Ethylbenzene < 0.00199 U F1 mg/Kg 24 m-Xylene & p-Xylene <0.00398 U F2 F1 0.199 0.06725 F2 F1 mg/Kg 34 70 - 130 52 35 70 - 130 0.0994 0.03668 F1 37 26 o-Xylene <0.00199 U F1 mg/Kg 35

MSD MSD Qualifier Limits Surrogate %Recovery 4-Bromofluorobenzene (Surr) 115 70 - 130 1,4-Difluorobenzene (Surr) 94 70 - 130

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

Lab Sample ID: MB 880-30765/1-A Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 30743

	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		07/27/22 08:40	07/27/22 09:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/27/22 08:40	07/27/22 09:41	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/27/22 08:40	07/27/22 09:41	1

MB MB %Recovery Dil Fac Qualifier Limits Prepared Surrogate Analyzed 1-Chlorooctane 82 70 - 130 07/27/22 08:40 07/27/22 09:41 83 70 - 130 07/27/22 08:40 07/27/22 09:41 o-Terphenyl

Lab Sample ID: LCS 880-30765/2-A Client Sample ID: Lab Control Sample

Matrix: Solid

Analysis Batch: 30743

Prep Batch: 30765 LCS LCS %Rec Spike Analyte Added Result Qualifier Unit %Rec Limits 1000 107 70 - 130 Gasoline Range Organics 1071 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 848.8 mg/Kg 85 70 - 130

C10-C28)

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Prep Type: Total/NA

Client: Ensolum Job ID: 890-2647-1 Project/Site: Corral Canyon 8-32

SDG: Eddy County

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

LCS LCS

Lab Sample ID: LCS 880-30765/2-A

Matrix: Solid

Analysis Batch: 30743

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 30765

%Recovery Qualifier Surrogate

Limits 1-Chlorooctane 89 70 - 130 o-Terphenyl 82 70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 30765

Lab Sample ID: LCSD 880-30765/3-A **Matrix: Solid**

Analysis Batch: 30743

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	1037		mg/Kg		104	70 - 130	3	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	1108	*1	mg/Kg		111	70 - 130	26	20
C10-C28)									

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	107	70 - 130
o-Terphenyl	108	70 - 130

Lab Sample ID: 880-17301-A-1-E MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 30743

Prep Type: Total/NA Prep Batch: 30765 MS MS

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	1100		mg/Kg		106	70 - 130	
Diesel Range Organics (Over	<50.0	U *1	1000	760.4		mg/Kg		76	70 - 130	

C10-C28)

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	88		70 - 130

Lab Sample ID: 880-17301-A-1-F MSD Client Sample ID: Matrix Spike Duplicate **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 30743

-	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	999	1099		mg/Kg		106	70 - 130	0	20
Diesel Range Organics (Over	<50.0	U *1	999	782.1		mg/Kg		78	70 - 130	3	20

C10-C28)

	MSD I	MSD			
Surrogate	%Recovery	Qualifier	Limits		
1-Chlorooctane	99		70 - 130		
o-Terphenyl	89		70 - 130		

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Prep Batch: 30765

Job ID: 890-2647-1

Prep Type: Soluble

Client Sample ID: Matrix Spike

Client Sample ID: Matrix Spike

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Client Sample ID: Matrix Spike Duplicate

Client Sample ID: Matrix Spike Duplicate

Client: Ensolum Project/Site: Corral Canyon 8-32 SDG: Eddy County

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-30791/1-A

Matrix: Solid

Analysis Batch: 30793

мв мв

Analyte Result Qualifier RLUnit D Prepared Analyzed Dil Fac Chloride <5.00 U 5.00 mg/Kg 07/27/22 11:26

Lab Sample ID: LCS 880-30791/2-A

Matrix: Solid

Analysis Batch: 30793

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 251.0 mg/Kg 100 90 - 110

Lab Sample ID: LCSD 880-30791/3-A

Matrix: Solid

Analysis Batch: 30793

Spike LCSD LCSD RPD %Rec Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250.9 250 mg/Kg 100 90 - 110

Lab Sample ID: 880-17397-A-1-B MS

Matrix: Solid

Analysis Batch: 30793

MS MS Sample Sample Spike %Rec Added Analyte Result Qualifier Result Qualifier Unit %Rec Limits Chloride 94.1 498 607.5 103 90 - 110 mg/Kg

Lab Sample ID: 880-17397-A-1-C MSD

Matrix: Solid

Analysis Batch: 30793

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 94 1 498 607.7 mg/Kg 103 90 - 110

Lab Sample ID: 890-2649-A-1-F MS

Matrix: Solid

Analysis Batch: 30793

Sample Sample Spike MS MS %Rec Result Qualifier Added Analyte Result Qualifier Unit D %Rec Limits Chloride 569 497 1041 mg/Kg 90 - 110

Lab Sample ID: 890-2649-A-1-G MSD

Matrix: Solid

Analysis Batch: 30793

MSD MSD %Rec RPD Sample Sample Spike Analyte Result Qualifier Added Result Qualifier Limits RPD Limit Unit D %Rec Chloride 569 497 1024 mg/Kg 92 90 - 110 20

QC Association Summary

Client: Ensolum

Project/Site: Corral Canyon 8-32

Job ID: 890-2647-1 SDG: Eddy County

County

GC VOA

Prep Batch: 30709

Lab Sample ID 890-2647-1	Client Sample ID SS05	Prep Type Total/NA	Matrix Solid	Method 5035	Prep Batch
MB 880-30709/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-30709/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-30709/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-17263-A-16-E MS	Matrix Spike	Total/NA	Solid	5035	
880-17263-A-16-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 30747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2647-1	SS05	Total/NA	Solid	8021B	30709
MB 880-30709/5-A	Method Blank	Total/NA	Solid	8021B	30709
LCS 880-30709/1-A	Lab Control Sample	Total/NA	Solid	8021B	30709
LCSD 880-30709/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	30709
880-17263-A-16-E MS	Matrix Spike	Total/NA	Solid	8021B	30709
880-17263-A-16-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	30709

Analysis Batch: 30814

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2647-1	SS05	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 30743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2647-1	SS05	Total/NA	Solid	8015B NM	30765
MB 880-30765/1-A	Method Blank	Total/NA	Solid	8015B NM	30765
LCS 880-30765/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	30765
LCSD 880-30765/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	30765
880-17301-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	30765
880-17301-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	30765

Prep Batch: 30765

Lab Sample ID 890-2647-1	Client Sample ID SS05	Prep Type Total/NA	Matrix Solid	Method 8015NM Prep	Prep Batch
MB 880-30765/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-30765/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-30765/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-17301-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-17301-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 30831

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2647-1	SS05	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 30791

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2647-1	SS05	Soluble	Solid	DI Leach	
MB 880-30791/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-30791/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-30791/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Ensolum Project/Site: Corral Canyon 8-32 Job ID: 890-2647-1

SDG: Eddy County

HPLC/IC (Continued)

Leach Batch: 30791 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17397-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-17397-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
890-2649-A-1-F MS	Matrix Spike	Soluble	Solid	DI Leach	
890-2649-A-1-G MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 30793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2647-1	SS05	Soluble	Solid	300.0	30791
MB 880-30791/1-A	Method Blank	Soluble	Solid	300.0	30791
LCS 880-30791/2-A	Lab Control Sample	Soluble	Solid	300.0	30791
LCSD 880-30791/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	30791
880-17397-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	30791
880-17397-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	30791
890-2649-A-1-F MS	Matrix Spike	Soluble	Solid	300.0	30791
890-2649-A-1-G MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	30791

Date Received: 07/26/22 08:47

Lab Chronicle

Client: Ensolum Job ID: 890-2647-1 Project/Site: Corral Canyon 8-32 SDG: Eddy County

Client Sample ID: SS05 Lab Sample ID: 890-2647-1 Date Collected: 07/25/22 13:40

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	30709	07/27/22 10:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30747	07/27/22 11:57	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30814	07/27/22 13:21	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30831	07/27/22 15:34	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	30765	07/27/22 08:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30743	07/27/22 11:55	SM	XEN MID
Soluble	Leach	DI Leach			5.00 g	50 mL	30791	07/27/22 11:00	SMC	XEN MID
Soluble	Analysis	300.0		1			30793	07/27/22 14:02	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 Project/Site: Corral Canyon 8-32

Job ID: 890-2647-1 SDG: Eddy County

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		ELAP	T104704400-22-24	06-30-23	
The following analytes the agency does not of	. ,	ut the laboratory is not certif	ied by the governing authority. This list ma	ay include analytes fo	
Analysis Method	Prep Method	Matrix	Analyte		
8015 NM		Solid	Total TPH		

Method Summary

Client: Ensolum

Project/Site: Corral Canyon 8-32

Job ID: 890-2647-1

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

Eurofins Carlsbad

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Sample Summary

Client: Ensolum

Project/Site: Corral Canyon 8-32

Job ID: 890-2647-1

SDG: Eddy County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2647-1	SS05	Solid	07/25/22 13:40	07/26/22 08:47	6"

Chain of Custody

com Page of	Work Order Comments	Brownfields RRC Superfund] PST/UST TRRP □ LevelIV □	ADaPT ☐ Other:	Preservative Codes	None: NO DI Water: H ₂ O	Cool: Cool MeOH: Me	HCL: HC HNO 3: HN		NaHSO 4: NABIS	Na 2 S 2 O 3: Na SO 3	Zn Acetate+NaOH: Zn	NaOH+Ascorbic Acid: SAPC	Sample Comments					Na Sr Tl Sn U V Zn /245.1/7470 /7471		ture) Date/Time		-
www.xenco.com	Work Orde	Program: UST/PST	State of Project:	evel Level	Deliverables: EDD	UEST							890-2647 Chain of Custody							Ii K Se Ag SiO ₂ Hg: 1631	rms and conditions eyond the control	(ure) Received by: (Signature)		
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	Gorner Gelen	3	3104 E Gleene ST	Corkbud NM 88220		ANALYSIS REQUEST							X 890-2647 C	H. 3	11 151					A 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K TCLP/SPLP6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U	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 for expenses incurred by the client if such losses are due to circumstances beyond the control for 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. A minimum charge of \$85.00 will be enforced unless previously negotiated	Date/Time Relinquished by: (Signature)	20, 123 1247	
EL Paso, TX (915) Hobbs, NM (575)	₩ Bill to: (if different)		att they Address:	220 / City, State ZIP:	Email:	Turn Around	Routine Rush Code	Due Date: 24h3	TAT starts the day received by the lab, if received by 4:30pm	Т	To the state of th	700	e Reading:	Corrected Temperature:	Time Depth Grab/ # of Cont	1340 Gir G 1				8RCRA 13PPM Texas 11 Al Sb As TCLP/SPLP6010:8RCRA Sb	valid purchase order from client company to Eurofins) assume any responsibility for any losses or expenses in ind a charge of \$5 for each sample submitted to Eurofi	Received by: (Signature)	uch tut who	
Xenco	Toron Morrison	-	Nation	Cacloba MM 88	371-257-8207	Corral Canson 8-72	55865	Eddy Count	CB /	Toma Blank.	(Yes) No Therm	Yes No N/A	N/W	>	ication Matrix Sampled	5 725				Total 200.7 / 6010 200.8 / 6020: 8F Circle Method(s) and Metal(s) to be analyzed	ment and relinquishment of samples constitutes a be liable only for the cost of samples and shall not charge of \$85.00 will be applied to each project a	Signature) Received t	Amer	
	Project Manager:	Company Name:	Address:	City, State ZIP:	Phone:	Project Name:	Project Number:	Project Location:	Sampler's Name:	CAMDI E RECEIDT	Samples Received Intact:	Cooler Custody Seals:	Sample Custody Seals:	Total Containers:	Sample Identification	50055				Total 200.7 / 6010 Circle Method(s) ar	Notice: Signature of this docun of service. Eurofins Xenco will of Eurofins Xenco. A minimum	Relinquished by: (Signature)	1	

Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-2647-1 SDG Number: Eddy County

Login Number: 2647 List Source: Eurofins Carlsbad

List Number: 1

Creator: Kramer, Jessica

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.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-2647-1 SDG Number: Eddy County

Login Number: 2647 List Source: Eurofins Midland List Number: 2 List Creation: 07/27/22 10:48 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	N/A	

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<6mm (1/4").



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-2524-1

Laboratory Sample Delivery Group: 03E1558058 Client Project/Site: Corral Canyon 8-32 103H 1162H

For:

Ensolum 705 W. Wadley Suite 210 Midland, Texas 79701

Attn: Tacoma Morrissey

RAMER

Authorized for release by: 7/19/2022 2:13:33 PM

Jessica Kramer, Project Manager (432)704-5440

Jessica.Kramer@et.eurofinsus.com

····· Links ······ **Review your project** results through EOL **Have a Question?**

Visit us at:

www.eurofinsus.com/Env Released to Imaging: 8/10/2022 4:10:51 PM 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 8-32 103H 1162H Laboratory Job ID: 890-2524-1 SDG: 03E1558058

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Eurofins Carlsbad 7/19/2022

Definitions/Glossary

Job ID: 890-2524-1 Client: Ensolum Project/Site: Corral Canyon 8-32 103H 1162H

SDG: 03E1558058

Qualifiers

GC VOA Qualifier

F1 MS and/or MSD recovery exceeds control limits. MS/MSD RPD exceeds control limits F2 S1+ Surrogate recovery exceeds control limits, high biased.

U Indicates the analyte was analyzed for but not detected.

Qualifier Description

GC Semi VOA

Qualifier **Qualifier Description** MS and/or MSD recovery exceeds control limits. MS/MSD RPD exceeds control limits F2 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** F1 MS and/or MSD recovery exceeds control limits. U Indicates the analyte was analyzed for but not detected.

Glossary

DLC

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

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

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

Decision Level Concentration (Radiochemistry)

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

NC Not Calculated

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

Negative / Absent NEG POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RI

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

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

TNTC Too Numerous To Count

Case Narrative

Client: Ensolum

Project/Site: Corral Canyon 8-32 103H 1162H

Job ID: 890-2524-1

SDG: 03E1558058

Job ID: 890-2524-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-2524-1

Receipt

The samples were received on 7/11/2022~8:42~AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was $3.2^{\circ}C$

GC VOA

Method Total_BTEX_GCV: The matrix spike duplicate (MSD) recoveries for preparation batch 880-29534 and analytical batch 880-29547 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-29534 and analytical batch 880-29547 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 880-29772 and analytical batch 880-29882 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: FS06 (890-2524-6) and FS09 (890-2524-9). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCSD 880-29959/2-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (890-2524-A-4-F MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: FS04 (890-2524-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: FS07 (890-2524-7). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike duplicate (MSD) recoveries and precision for preparation batch 880-29959 and analytical batch 880-29895 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-29507 and analytical batch 880-29497 was outside the upper control limits.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-29507 and analytical batch 880-29497 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: Surrogate recovery for the following samples were outside control limits: (880-16754-A-17-C MS) and (880-16754-A-17-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

3

4

6

0

3

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13

14

Case Narrative

Client: Ensolum

Project/Site: Corral Canyon 8-32 103H 1162H

Job ID: 890-2524-1

SDG: 03E1558058

Job ID: 890-2524-1 (Continued)

Laboratory: Eurofins Carlsbad (Continued)

Method 8015MOD NM: The matrix spike (MS) recoveries for preparation batch 880-29508 and analytical batch 880-29499 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD NM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-29505 and analytical batch 880-29501 was outside control limits. Sample non-homogeneity is suspected.

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

HPLC/IC

Method 300 ORGFM 28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-29461 and analytical batch 880-29656 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Lab Sample ID: 890-2524-1

Client Sample Results

Client: Ensolum Job ID: 890-2524-1 Project/Site: Corral Canyon 8-32 103H 1162H SDG: 03E1558058

Client Sample ID: FS01

Date Collected: 07/09/22 13:55 Date Received: 07/11/22 08:42

Sample Depth: 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/14/22 16:34	07/17/22 17:41	
Toluene	<0.00200	U	0.00200	mg/Kg		07/14/22 16:34	07/17/22 17:41	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/14/22 16:34	07/17/22 17:41	
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		07/14/22 16:34	07/17/22 17:41	
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/14/22 16:34	07/17/22 17:41	
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		07/14/22 16:34	07/17/22 17:41	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	112		70 - 130			07/14/22 16:34	07/17/22 17:41	
1,4-Difluorobenzene (Surr)	95		70 - 130			07/14/22 16:34	07/17/22 17:41	
Method: Total BTEX - Total BT	EX Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00401	U	0.00401	mg/Kg			07/18/22 15:39	
Analyte	Result	O) (GC) Qualifier	RL	Unit	<u>D</u>	Prepared	Analyzed 07/12/22 16:24	
Method: 8015 NM - Diesel Ran Analyte Total TPH	Result 133	Qualifier	RL 49.9	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 07/12/22 16:24	
Analyte Fotal TPH Method: 8015B NM - Diesel Ra	Result 133 ange Organics (D	Qualifier RO) (GC)	49.9	mg/Kg		· ·	07/12/22 16:24	
Analyte Fotal TPH Method: 8015B NM - Diesel Ra Analyte	Result 133 ange Organics (D Result	Qualifier RO) (GC) Qualifier	49.9	mg/Kg	<u>D</u>	Prepared	07/12/22 16:24 Analyzed	Dil Fa
Analyte Total TPH Method: 8015B NM - Diesel Ra Analyte Gasoline Range Organics	Result 133 ange Organics (D	Qualifier RO) (GC) Qualifier	49.9	mg/Kg		· ·	07/12/22 16:24	Dil Fa
Analyte Method: 8015B NM - Diesel Ra Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over	Result 133 ange Organics (D Result	Qualifier RO) (GC) Qualifier U	49.9	mg/Kg		Prepared	07/12/22 16:24 Analyzed	Dil Fa
Analyte	Result 133 ange Organics (D) Result <49.9	Qualifier RO) (GC) Qualifier U	49.9 RL 49.9	mg/Kg Unit mg/Kg		Prepared 07/12/22 08:34	07/12/22 16:24 Analyzed 07/12/22 18:55	Dil Fa
Analyte Total TPH Method: 8015B NM - Diesel Ra Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over	Result 133 ange Organics (D Result < 49.9	Qualifier RO) (GC) Qualifier U	49.9 RL 49.9 49.9	mg/Kg Unit mg/Kg mg/Kg		Prepared 07/12/22 08:34 07/12/22 08:34	07/12/22 16:24 Analyzed 07/12/22 18:55 07/12/22 18:55	Dil Fa
Analyte Total TPH Method: 8015B NM - Diesel Ra Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result 133	Qualifier RO) (GC) Qualifier U	49.9 RL 49.9 49.9 49.9	mg/Kg Unit mg/Kg mg/Kg		Prepared 07/12/22 08:34 07/12/22 08:34 07/12/22 08:34	07/12/22 16:24 Analyzed 07/12/22 18:55 07/12/22 18:55 07/12/22 18:55	Dil Fa
Analyte Total TPH Method: 8015B NM - Diesel Ra Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result 133	Qualifier RO) (GC) Qualifier U	49.9 RL 49.9 49.9 49.9 Limits	mg/Kg Unit mg/Kg mg/Kg		Prepared 07/12/22 08:34 07/12/22 08:34 07/12/22 08:34 Prepared	07/12/22 16:24 Analyzed 07/12/22 18:55 07/12/22 18:55 07/12/22 18:55 Analyzed	Dil Fa
Analyte Total TPH Method: 8015B NM - Diesel Ra Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result 133	Qualifier RO) (GC) Qualifier U	49.9 RL 49.9 49.9 49.9 Limits 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 07/12/22 08:34 07/12/22 08:34 07/12/22 08:34 Prepared 07/12/22 08:34	07/12/22 16:24 Analyzed 07/12/22 18:55 07/12/22 18:55 Analyzed 07/12/22 18:55	Dil Fa
Analyte Total TPH Method: 8015B NM - Diesel Ra Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result 133 ange Organics (D Result <49.9 <49.9 133 **Recovery 109 116 hromatography -	Qualifier RO) (GC) Qualifier U	49.9 RL 49.9 49.9 49.9 Limits 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 07/12/22 08:34 07/12/22 08:34 07/12/22 08:34 Prepared 07/12/22 08:34	07/12/22 16:24 Analyzed 07/12/22 18:55 07/12/22 18:55 Analyzed 07/12/22 18:55	Dil Fac

Client Sample ID: FS02 Lab Sample ID: 890-2524-2 Matrix: Solid

Date Collected: 07/09/22 14:00 Date Received: 07/11/22 08:42

Sample Depth: 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		07/14/22 16:34	07/17/22 18:01	1
Toluene	<0.00201	U	0.00201	mg/Kg		07/14/22 16:34	07/17/22 18:01	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		07/14/22 16:34	07/17/22 18:01	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		07/14/22 16:34	07/17/22 18:01	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		07/14/22 16:34	07/17/22 18:01	1
Xylenes, Total	< 0.00402	U	0.00402	mg/Kg		07/14/22 16:34	07/17/22 18:01	1

Lab Sample ID: 890-2524-2

Lab Sample ID: 890-2524-3

Matrix: Solid

Client Sample Results

Client: Ensolum Job ID: 890-2524-1 Project/Site: Corral Canyon 8-32 103H 1162H SDG: 03E1558058

Client Sample ID: FS02

Date Collected: 07/09/22 14:00 Date Received: 07/11/22 08:42

Sample Depth: 1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	07/14/22 16:34	07/17/22 18:01	1
1,4-Difluorobenzene (Surr)	95		70 - 130	07/14/22 16:34	07/17/22 18:01	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			07/18/22 15:39	1

Method: 8015 NM - Diesel Range	Organics (DRO) (GC)			
Analyte	Result Qualifier	RL	Unit	D

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	372		50.0	mg/Kg			07/12/22 16:24	1

Method: 8015B NM - Diesel Range Organi	ics	(DF	(O)	(GC)	
	_		_		

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		07/12/22 08:34	07/12/22 19:16	1
(GRO)-C6-C10								
Diesel Range Organics (Over	73.2		50.0	mg/Kg		07/12/22 08:34	07/12/22 19:16	1
C10-C28)								
Oll Range Organics (Over	299		50.0	mg/Kg		07/12/22 08:34	07/12/22 19:16	1
C28-C36)								

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101	70 - 130	07/12/22 08:34	07/12/22 19:16	1
o-Terphenyl	101	70 - 130	07/12/22 08:34	07/12/22 19:16	1

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1590	25.0	mg/Kg			07/17/22 14:48	5

Client Sample ID: FS03

Date Collected: 07/09/22 14:05

Date Received: 07/11/22 08:42

Sample Depth: 1

c compounds ((00)						
Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
<0.00199	U	0.00199	mg/Kg		07/14/22 16:34	07/17/22 18:22	1
< 0.00199	U	0.00199	mg/Kg		07/14/22 16:34	07/17/22 18:22	1
<0.00199	U	0.00199	mg/Kg		07/14/22 16:34	07/17/22 18:22	1
<0.00398	U	0.00398	mg/Kg		07/14/22 16:34	07/17/22 18:22	1
<0.00199	U	0.00199	mg/Kg		07/14/22 16:34	07/17/22 18:22	1
<0.00398	U	0.00398	mg/Kg		07/14/22 16:34	07/17/22 18:22	1
%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
105		70 - 130			07/14/22 16:34	07/17/22 18:22	1
95		70 - 130			07/14/22 16:34	07/17/22 18:22	1
_	Result <0.00199 <0.00199 <0.00398 <0.00398 %Recovery 105		Result Qualifier RL <0.00199 U 0.00199 <0.00199 U 0.00199 <0.00199 U 0.00199 <0.00398 U 0.00398 <0.00199 U 0.00199 <0.00398 U 0.00398 <0.00398 U 0.00398 <0.00398 U 0.00398 <0.00398 U 0.00398	Result Qualifier RL Unit <0.00199 U 0.00199 mg/Kg <0.00199 U 0.00199 mg/Kg <0.00199 U 0.00199 mg/Kg <0.00398 U 0.00398 mg/Kg <0.00199 U 0.00199 mg/Kg <0.00398 U 0.00398 mg/Kg	Result Qualifier RL Unit D <0.00199 U 0.00199 mg/Kg <0.00199 U 0.00199 mg/Kg <0.00199 U 0.00199 mg/Kg <0.00398 U 0.00398 mg/Kg <0.00199 U 0.00199 mg/Kg <0.00398 U 0.00398 mg/Kg	Result Qualifier RL Unit D Prepared <0.00199 U 0.00199 mg/Kg 07/14/22 16:34 <0.00199 U 0.00199 mg/Kg 07/14/22 16:34 <0.00199 U 0.00199 mg/Kg 07/14/22 16:34 <0.00398 U 0.00398 mg/Kg 07/14/22 16:34 <0.00199 U 0.00199 mg/Kg 07/14/22 16:34 <0.00398 U 0.00398 mg/Kg 07/14/22 16:34 **Recovery* Qualifier Limits Prepared 105 70 - 130 07/14/22 16:34	Result Qualifier RL Unit D Prepared Prepared Analyzed <0.00199 U 0.00199 mg/Kg 07/14/22 16:34 07/17/22 18:22 <0.00199 U 0.00199 mg/Kg 07/14/22 16:34 07/17/22 18:22 <0.00199 U 0.00199 mg/Kg 07/14/22 16:34 07/17/22 18:22 <0.00398 U 0.00398 mg/Kg 07/14/22 16:34 07/17/22 18:22 <0.00199 U 0.00199 mg/Kg 07/14/22 16:34 07/17/22 18:22 <0.00398 U 0.00398 mg/Kg 07/14/22 16:34 07/17/22 18:22 <0.00398 U 0.00398 mg/Kg 07/14/22 16:34 07/17/22 18:22 70.0398 U 0.00398 mg/Kg 07/14/22 16:34 07/17/22 18:22

Released to Imaging: 8/10/2022 4:10:51 PM

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			07/18/22 15:39	1

Lab Sample ID: 890-2524-3

Client Sample Results

Client: Ensolum Job ID: 890-2524-1 Project/Site: Corral Canyon 8-32 103H 1162H SDG: 03E1558058

Client Sample ID: FS03

Date Collected: 07/09/22 14:05 Date Received: 07/11/22 08:42

Sample Depth: 1

Method: 8015 NM - Diesel Range C	Organics (DR	O) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	688		50.0	mg/Kg			07/12/22 16:24	1

Total TPH	688		50.0	mg/Kg			07/12/22 16:24	1
- Method: 8015B NM - Diesel Rang	je 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		07/12/22 08:38	07/12/22 17:09	1
Diesel Range Organics (Over C10-C28)	688		50.0	mg/Kg		07/12/22 08:38	07/12/22 17:09	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/12/22 08:38	07/12/22 17:09	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	103		70 - 130			07/12/22 08:38	07/12/22 17:09	-
o-Terphenyl	108		70 - 130			07/12/22 08:38	07/12/22 17:09	1

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac 25.2 mg/Kg 07/16/22 01:12 Chloride 1650 Lab Sample ID: 890-2524-4

Client Sample ID: FS04

Date Collected: 07/09/22 14:10 Date Received: 07/11/22 08:42

Sample Depth: 1

Analyte

Total BTEX

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000399	U F1 F2	0.000399	mg/Kg		07/18/22 13:46	07/19/22 03:13	1
Toluene	<0.000399	U F1 F2	0.000399	mg/Kg		07/18/22 13:46	07/19/22 03:13	1
Ethylbenzene	<0.000399	U F1 F2	0.000399	mg/Kg		07/18/22 13:46	07/19/22 03:13	1
m-Xylene & p-Xylene	<0.000798	U F1 F2	0.000798	mg/Kg		07/18/22 13:46	07/19/22 03:13	1
o-Xylene	<0.000399	U F2	0.000399	mg/Kg		07/18/22 13:46	07/19/22 03:13	1
Xylenes, Total	<0.000798	U F1 F2	0.000798	mg/Kg		07/18/22 13:46	07/19/22 03:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130			07/18/22 13:46	07/19/22 03:13	1
1,4-Difluorobenzene (Surr)	87		70 - 130			07/18/22 13:46	07/19/22 03:13	1

Method: 8015 NM - Diesel Range (Organics (DRO) (GC)						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	944	49.9	mg/Kg			07/12/22 16:24	1

0.000798

Unit

mg/Kg

Prepared

Analyzed

07/18/22 15:39

Result Qualifier

<0.000798 U

Method: 8015B NM - Diesel Range	Organics (DI	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		07/12/22 08:38	07/12/22 17:31	1
Diesel Range Organics (Over C10-C28)	944		49.9	mg/Kg		07/12/22 08:38	07/12/22 17:31	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		07/12/22 08:38	07/12/22 17:31	1

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Matrix: Solid

Dil Fac

Lab Sample ID: 890-2524-4

Job ID: 890-2524-1

Client: Ensolum Project/Site: Corral Canyon 8-32 103H 1162H SDG: 03E1558058

Client Sample ID: FS04

Date Collected: 07/09/22 14:10 Date Received: 07/11/22 08:42

Sample Depth: 1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110	70 - 130	07/12/22 08:38	07/12/22 17:31	1
o-Terphenyl	113	70 - 130	07/12/22 08:38	07/12/22 17:31	1

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Chloride 2570 24.9 mg/Kg 07/16/22 01:22

Client Sample ID: FS05 Lab Sample ID: 890-2524-5 Date Collected: 07/09/22 14:15 **Matrix: Solid**

Date Received: 07/11/22 08:42

Sample Depth: 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000398	U	0.000398	mg/Kg		07/18/22 13:46	07/19/22 03:39	
Toluene	<0.000398	U	0.000398	mg/Kg		07/18/22 13:46	07/19/22 03:39	
Ethylbenzene	<0.000398	U	0.000398	mg/Kg		07/18/22 13:46	07/19/22 03:39	
m-Xylene & p-Xylene	<0.000795	U	0.000795	mg/Kg		07/18/22 13:46	07/19/22 03:39	
o-Xylene	<0.000398	U	0.000398	mg/Kg		07/18/22 13:46	07/19/22 03:39	
Xylenes, Total	<0.000795	U	0.000795	mg/Kg		07/18/22 13:46	07/19/22 03:39	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	125		70 - 130			07/18/22 13:46	07/19/22 03:39	
1,4-Difluorobenzene (Surr)	85		70 - 130			07/18/22 13:46	07/19/22 03:39	
- Method: Total BTEX - Total BTEX	X Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.000795	U	0.000795	mg/Kg			07/18/22 15:39	
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Analyte Total TPH		Qualifier	RL 50.0	Mg/Kg	<u>D</u>	Prepared	Analyzed 07/12/22 16:24	
Total TPH	102	<u> </u>			<u>D</u>	Prepared		
	102 ge Organics (D	<u> </u>			<u>D</u>	Prepared Prepared		
Total TPH Method: 8015B NM - Diesel Ran	102 ge Organics (D	RO) (GC) Qualifier	50.0	mg/Kg			07/12/22 16:24	Dil Fa
Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	102 ge Organics (D Result	RO) (GC) Qualifier	50.0	mg/Kg		Prepared	07/12/22 16:24 Analyzed	Dil Fa
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	ge Organics (Di Result <50.0	RO) (GC) Qualifier	50.0 RL 50.0	mg/Kg Unit mg/Kg		Prepared 07/12/22 08:38	07/12/22 16:24 Analyzed 07/12/22 17:51	Dil Fa
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	102 ge Organics (Di Result <50.0	RO) (GC) Qualifier U	50.0 RL 50.0 50.0	mg/Kg Unit mg/Kg mg/Kg		Prepared 07/12/22 08:38 07/12/22 08:38	07/12/22 16:24 Analyzed 07/12/22 17:51 07/12/22 17:51	Dil Fa
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	102 ge Organics (Di Result <50.0 102 <50.0	RO) (GC) Qualifier U	50.0 RL 50.0 50.0 50.0	mg/Kg Unit mg/Kg mg/Kg		Prepared 07/12/22 08:38 07/12/22 08:38	07/12/22 16:24 Analyzed 07/12/22 17:51 07/12/22 17:51 07/12/22 17:51	Dil Fa
Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	102	RO) (GC) Qualifier U	50.0 RL 50.0 50.0 50.0 Limits	mg/Kg Unit mg/Kg mg/Kg		Prepared 07/12/22 08:38 07/12/22 08:38 07/12/22 08:38 Prepared	07/12/22 16:24 Analyzed 07/12/22 17:51 07/12/22 17:51 07/12/22 17:51 Analyzed	Dil Fa
Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	102	RO) (GC) Qualifier U	50.0 RL 50.0 50.0 50.0 Limits 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 07/12/22 08:38 07/12/22 08:38 07/12/22 08:38 Prepared 07/12/22 08:38	07/12/22 16:24 Analyzed 07/12/22 17:51 07/12/22 17:51 Analyzed 07/12/22 17:51	Dil Fa
Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	102	RO) (GC) Qualifier U	50.0 RL 50.0 50.0 50.0 Limits 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 07/12/22 08:38 07/12/22 08:38 07/12/22 08:38 Prepared 07/12/22 08:38	07/12/22 16:24 Analyzed 07/12/22 17:51 07/12/22 17:51 Analyzed 07/12/22 17:51	Dil Fa

Lab Sample ID: 890-2524-6

Client Sample Results

 Client: Ensolum
 Job ID: 890-2524-1

 Project/Site: Corral Canyon 8-32 103H 1162H
 SDG: 03E1558058

Client Sample ID: FS06

Date Collected: 07/09/22 14:20 Date Received: 07/11/22 08:42

Sample Depth: 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000402	U	0.000402	mg/Kg		07/18/22 13:46	07/19/22 04:04	1
Toluene	<0.000402	U	0.000402	mg/Kg		07/18/22 13:46	07/19/22 04:04	1
Ethylbenzene	<0.000402	U	0.000402	mg/Kg		07/18/22 13:46	07/19/22 04:04	1
m-Xylene & p-Xylene	<0.000803	U	0.000803	mg/Kg		07/18/22 13:46	07/19/22 04:04	1
o-Xylene	<0.000402	U	0.000402	mg/Kg		07/18/22 13:46	07/19/22 04:04	1
Xylenes, Total	<0.000803	U	0.000803	mg/Kg		07/18/22 13:46	07/19/22 04:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130			07/18/22 13:46	07/19/22 04:04	1
1,4-Difluorobenzene (Surr)	92		70 - 130			07/18/22 13:46	07/19/22 04:04	1
- Method: Total BTEX - Total BTEX	(Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000803	U	0.000803	mg/Kg			07/18/22 15:39	1
Method: 8015 NM - Diesel Range Analyte		O) (GC) Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	80.7		49.9	mg/Kg			07/12/22 16:24	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	<49.9	U	49.9	mg/Kg		07/12/22 08:38	07/12/22 18:12	1
Diesel Range Organics (Over C10-C28)	80.7		49.9	mg/Kg		07/12/22 08:38	07/12/22 18:12	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		07/12/22 08:38	07/12/22 18:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130			07/12/22 08:38	07/12/22 18:12	1
o-Terphenyl	106		70 - 130			07/12/22 08:38	07/12/22 18:12	1
-		Soluble						
Method: 300.0 - Anions, Ion Chro	omatograpny -	Joiuble						
Method: 300.0 - Anions, Ion Chro Analyte	• • •	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: FS07 Lab Sample ID: 890-2524-7

Date Collected: 07/09/22 14:35 Date Received: 07/11/22 08:42

Sample Depth: 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000399	U	0.000399	mg/Kg		07/18/22 13:46	07/19/22 04:30	1
Toluene	< 0.000399	U	0.000399	mg/Kg		07/18/22 13:46	07/19/22 04:30	1
Ethylbenzene	< 0.000399	U	0.000399	mg/Kg		07/18/22 13:46	07/19/22 04:30	1
m-Xylene & p-Xylene	<0.000798	U	0.000798	mg/Kg		07/18/22 13:46	07/19/22 04:30	1
o-Xylene	< 0.000399	U	0.000399	mg/Kg		07/18/22 13:46	07/19/22 04:30	1
Xylenes, Total	<0.000798	U	0.000798	mg/Kg		07/18/22 13:46	07/19/22 04:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130			07/18/22 13:46	07/19/22 04:30	1

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Matrix: Solid

Client Sample Results

 Client: Ensolum
 Job ID: 890-2524-1

 Project/Site: Corral Canyon 8-32 103H 1162H
 SDG: 03E1558058

Client Sample ID: FS07 Lab Sample ID: 890-2524-7

Date Collected: 07/09/22 14:35

Date Received: 07/11/22 08:42

Matrix: Solid

Sample Depth: 1

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	91		70 - 130			07/18/22 13:46	07/19/22 04:30	1
- Method: Total BTEX - Total BTEX	X Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000798	U	0.000798	mg/Kg			07/18/22 15:39	1
- Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)						
Analyte	•	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	281		49.9	mg/Kg			07/12/22 16:24	1
_								
Method: 8015B NM - Diesel Rand	ge Organics (D	RO) (GC)						
	• • •	RO) (GC) Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	• • •	Qualifier	RL 49.9	Unit mg/Kg	<u>D</u>	Prepared 07/12/22 08:38	Analyzed 07/12/22 18:34	Dil Fac
(GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier			<u>D</u>			Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10	Result <49.9	Qualifier U	49.9	mg/Kg	<u>D</u>	07/12/22 08:38	07/12/22 18:34	1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.9	Qualifier U	49.9	mg/Kg	<u>D</u>	07/12/22 08:38 07/12/22 08:38	07/12/22 18:34 07/12/22 18:34	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9 281 <49.9	Qualifier U	49.9 49.9 49.9	mg/Kg	<u>D</u>	07/12/22 08:38 07/12/22 08:38 07/12/22 08:38	07/12/22 18:34 07/12/22 18:34 07/12/22 18:34	1

Method: 300.0 - Anions, Ion Chromatography - SolubleAnalyteResultQualifierRLUnitDPreparedAnalyzedDil FacChloride1880F125.0mg/Kg07/16/22 01:495

Date Collected: 07/09/22 14:40 Date Received: 07/11/22 08:42

Client Sample ID: FS08

Sample Depth: 1

<0.000398 <0.000398	U	0.000398					
<0.000300		0.000390	mg/Kg		07/18/22 13:46	07/19/22 04:55	1
~ 0.000396	U	0.000398	mg/Kg		07/18/22 13:46	07/19/22 04:55	,
<0.000398	U	0.000398	mg/Kg		07/18/22 13:46	07/19/22 04:55	1
<0.000795	U	0.000795	mg/Kg		07/18/22 13:46	07/19/22 04:55	1
<0.000398	U	0.000398	mg/Kg		07/18/22 13:46	07/19/22 04:55	1
<0.000795	U	0.000795	mg/Kg		07/18/22 13:46	07/19/22 04:55	,
%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
121		70 - 130			07/18/22 13:46	07/19/22 04:55	
81		70 - 130			07/18/22 13:46	07/19/22 04:55	1
Calculation							
Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
<0.000795	U	0.000795	mg/Kg			07/18/22 15:39	•
	<0.000795 <0.000398 <0.000795 **Recovery 121 81 Calculation Result	<0.000795 U <0.000398 U <0.000795 U **Recovery Qualifier 121 81	<0.000795	<0.000795	<0.000795	<0.000795	<0.000795

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07/12/22 16:24

Lab Sample ID: 890-2524-8

Matrix: Solid

50.0

mg/Kg

486

Total TPH

2

6

R

10

12

13

Lab Sample ID: 890-2524-8

Lab Sample ID: 890-2524-9

Matrix: Solid

Client Sample Results

Client: Ensolum Job ID: 890-2524-1 Project/Site: Corral Canyon 8-32 103H 1162H SDG: 03E1558058

Client Sample ID: FS08

Date Collected: 07/09/22 14:40 Date Received: 07/11/22 08:42

Sample Depth: 1

Method: 8015B NM - Diesel Rang	je 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		07/12/22 08:38	07/12/22 18:55	1
Diesel Range Organics (Over C10-C28)	486		50.0	mg/Kg		07/12/22 08:38	07/12/22 18:55	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/12/22 08:38	07/12/22 18:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130			07/12/22 08:38	07/12/22 18:55	1
o-Terphenyl	112		70 - 130			07/12/22 08:38	07/12/22 18:55	1
- Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1590		25.3	mg/Kg			07/16/22 02:17	5

Client Sample ID: FS09

Date Collected: 07/09/22 15:06

Date Received: 07/11/22 08:42

Sample Depth: 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000401	U	0.000401	mg/Kg		07/18/22 13:46	07/19/22 05:21	1
Toluene	<0.000401	U	0.000401	mg/Kg		07/18/22 13:46	07/19/22 05:21	1
Ethylbenzene	<0.000401	U	0.000401	mg/Kg		07/18/22 13:46	07/19/22 05:21	1
m-Xylene & p-Xylene	<0.000802	U	0.000802	mg/Kg		07/18/22 13:46	07/19/22 05:21	1
o-Xylene	<0.000401	U	0.000401	mg/Kg		07/18/22 13:46	07/19/22 05:21	1
Xylenes, Total	<0.000802	U	0.000802	mg/Kg		07/18/22 13:46	07/19/22 05:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130			07/18/22 13:46	07/19/22 05:21	1
1,4-Difluorobenzene (Surr)	94		70 - 130			07/18/22 13:46	07/19/22 05:21	1
Method: Total BTEX - Total BTEX	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000802	U	0.000802	mg/Kg			07/18/22 15:39	1
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	187		49.9	mg/Kg			07/12/22 16:24	1
Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		07/12/22 08:38	07/12/22 19:16	1
Diesel Range Organics (Over C10-C28)	187		49.9	mg/Kg		07/12/22 08:38	07/12/22 19:16	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		07/12/22 08:38	07/12/22 19:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130			07/12/22 08:38	07/12/22 19:16	1

Job ID: 890-2524-1

Lab Sample ID: 890-2524-9

Client: Ensolum Project/Site: Corral Canyon 8-32 103H 1162H SDG: 03E1558058

Client Sample ID: FS09

Date Collected: 07/09/22 15:06 Date Received: 07/11/22 08:42

Sample Depth: 1

Method: 300.0 - Anions, Ion Chrom	atography - S	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1460		5.04	mg/Kg			07/16/22 02:26	1

Lab Sample ID: 890-2524-10 **Client Sample ID: FS10 Matrix: Solid**

Date Collected: 07/09/22 15:10 Date Received: 07/11/22 08:42

Sample Depth: 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00201	U	0.00201	mg/Kg		07/18/22 13:46	07/19/22 05:46	
Toluene	<0.00201	U	0.00201	mg/Kg		07/18/22 13:46	07/19/22 05:46	
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		07/18/22 13:46	07/19/22 05:46	
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		07/18/22 13:46	07/19/22 05:46	
o-Xylene	<0.00201	U	0.00201	mg/Kg		07/18/22 13:46	07/19/22 05:46	,
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		07/18/22 13:46	07/19/22 05:46	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	117		70 - 130			07/18/22 13:46	07/19/22 05:46	1
1,4-Difluorobenzene (Surr)	85		70 - 130			07/18/22 13:46	07/19/22 05:46	1
Method: Total BTEX - Total BTEX	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			07/18/22 15:39	1
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	76.1		50.0	mg/Kg			07/12/22 16:24	1
Method: 8015B NM - Diesel Rang	e 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		07/12/22 08:43	07/12/22 13:04	1
Diesel Range Organics (Over C10-C28)	76.1		50.0	mg/Kg		07/12/22 08:43	07/12/22 13:04	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/12/22 08:43	07/12/22 13:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	92		70 - 130			07/12/22 08:43	07/12/22 13:04	1
o-Terphenyl	102		70 - 130			07/12/22 08:43	07/12/22 13:04	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride			5.04	mg/Kg			07/16/22 02:54	

Lab Sample ID: 890-2524-11

Client Sample Results

 Client: Ensolum
 Job ID: 890-2524-1

 Project/Site: Corral Canyon 8-32 103H 1162H
 SDG: 03E1558058

Client Sample ID: FS11

Date Collected: 07/08/22 11:00 Date Received: 07/11/22 08:42

Sample Depth: 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		07/12/22 10:47	07/12/22 15:11	
Toluene	< 0.00199	U	0.00199	mg/Kg		07/12/22 10:47	07/12/22 15:11	•
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		07/12/22 10:47	07/12/22 15:11	•
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		07/12/22 10:47	07/12/22 15:11	
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/12/22 10:47	07/12/22 15:11	•
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/12/22 10:47	07/12/22 15:11	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	92		70 - 130			07/12/22 10:47	07/12/22 15:11	
1,4-Difluorobenzene (Surr)	84		70 - 130			07/12/22 10:47	07/12/22 15:11	
Method: Total BTEX - Total BTEX	X Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00398	U	0.00398	mg/Kg			07/12/22 15:39	
Method: 8015 NM - Diesel Range			DI	11-4		Duamanad	Amalumad	Dil Fa
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	
		Qualifier	RL 49.9	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 07/12/22 16:24	
Analyte		Qualifier U			<u>D</u>	Prepared		
Analyte Total TPH	Result <49.9 ge Organics (Di	Qualifier U			<u>D</u>	Prepared Prepared		
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	Result <49.9 ge Organics (Di	Qualifier U RO) (GC) Qualifier	49.9	mg/Kg			07/12/22 16:24	Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10	Result <49.9 ge Organics (Dige Result	Qualifier U RO) (GC) Qualifier U	49.9	mg/Kg Unit mg/Kg		Prepared	07/12/22 16:24 Analyzed	Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	ge Organics (D) Result <49.9 49.9	Qualifier U RO) (GC) Qualifier U	49.9 RL 49.9	mg/Kg		Prepared 07/12/22 08:43	07/12/22 16:24 Analyzed 07/12/22 12:20	Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	ge Organics (D) Result <49.9 49.9	Qualifier U RO) (GC) Qualifier U	49.9 RL 49.9	mg/Kg Unit mg/Kg		Prepared 07/12/22 08:43	07/12/22 16:24 Analyzed 07/12/22 12:20	Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9	Qualifier U RO) (GC) Qualifier U U	49.9 RL 49.9 49.9	mg/Kg Unit mg/Kg		Prepared 07/12/22 08:43 07/12/22 08:43	07/12/22 16:24 Analyzed 07/12/22 12:20 07/12/22 12:20	Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.9	Qualifier U RO) (GC) Qualifier U U	49.9 RL 49.9 49.9 49.9	mg/Kg Unit mg/Kg		Prepared 07/12/22 08:43 07/12/22 08:43	07/12/22 16:24 Analyzed 07/12/22 12:20 07/12/22 12:20 07/12/22 12:20	Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result <49.9	Qualifier U RO) (GC) Qualifier U U	49.9 RL 49.9 49.9 49.9 Limits	mg/Kg Unit mg/Kg		Prepared 07/12/22 08:43 07/12/22 08:43 07/12/22 08:43 Prepared	07/12/22 16:24 Analyzed 07/12/22 12:20 07/12/22 12:20 07/12/22 12:20 Analyzed	Dil Fa
Analyte Total TPH Method: 8015B NM - Diesel Range 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	Qualifier U RO) (GC) Qualifier U U Qualifier	49.9 RL 49.9 49.9 49.9 Limits 70 - 130	mg/Kg Unit mg/Kg		Prepared 07/12/22 08:43 07/12/22 08:43 07/12/22 08:43 Prepared 07/12/22 08:43	07/12/22 16:24 Analyzed 07/12/22 12:20 07/12/22 12:20 Analyzed 07/12/22 12:20	Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Range 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	Qualifier U RO) (GC) Qualifier U U Qualifier	49.9 RL 49.9 49.9 49.9 Limits 70 - 130	mg/Kg Unit mg/Kg		Prepared 07/12/22 08:43 07/12/22 08:43 07/12/22 08:43 Prepared 07/12/22 08:43	07/12/22 16:24 Analyzed 07/12/22 12:20 07/12/22 12:20 Analyzed 07/12/22 12:20	Dil Fac

Client Sample ID: FS12

Date Collected: 07/09/22 15:20 Date Received: 07/11/22 08:42

Date Received. 07/11/22 0

Sample Depth: 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000404	U	0.000404	mg/Kg		07/18/22 13:46	07/19/22 06:12	1
Toluene	<0.000404	U	0.000404	mg/Kg		07/18/22 13:46	07/19/22 06:12	1
Ethylbenzene	<0.000404	U	0.000404	mg/Kg		07/18/22 13:46	07/19/22 06:12	1
m-Xylene & p-Xylene	<0.000808	U	0.000808	mg/Kg		07/18/22 13:46	07/19/22 06:12	1
o-Xylene	<0.000404	U	0.000404	mg/Kg		07/18/22 13:46	07/19/22 06:12	1
Xylenes, Total	<0.000808	U	0.000808	mg/Kg		07/18/22 13:46	07/19/22 06:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130			07/18/22 13:46	07/19/22 06:12	1

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Lab Sample ID: 890-2524-12

Matrix: Solid

Project/Site: Corral Canyon 8-32 103H 1162H

Client: Ensolum

Job ID: 890-2524-1

SDG: 03E1558058

Client Sample ID: FS12

Date Collected: 07/09/22 15:20 Date Received: 07/11/22 08:42

Sample Depth: 1

Lab Sample ID: 890-2524-12

Matrix: Solid

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

Qualifier %Recovery Limits Prepared Surrogate Analyzed Dil Fac 70 - 130 07/18/22 13:46 1,4-Difluorobenzene (Surr) 85 07/19/22 06:12

Method: Total BTEX - Total BTEX Calculation

Analyte Result Qualifier RL Unit D Analyzed Dil Fac Prepared Total BTEX <0.000808 0.000808 07/18/22 15:39 mg/Kg

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

RL Unit D Prepared Analyzed Dil Fac Total TPH <50.0 50.0 mg/Kg 07/12/22 16:24

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

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac <50.0 U 50.0 07/12/22 08:43 07/12/22 13:25 Gasoline Range Organics mg/Kg (GRO)-C6-C10 <50.0 U 50.0 mg/Kg 07/12/22 08:43 07/12/22 13:25 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 07/12/22 08:43 07/12/22 13:25

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 91 70 - 130 07/12/22 08:43 07/12/22 13:25 o-Terphenyl 95 70 - 130 07/12/22 08:43 07/12/22 13:25

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac 4.98 07/16/22 03:03 Chloride 1230 mg/Kg

Client Sample ID: FS13 Lab Sample ID: 890-2524-13

Date Collected: 07/09/22 15:30 Date Received: 07/11/22 08:42

Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Benzene <0.000399 0.000399 mg/Kg 07/18/22 13:46 07/19/22 06:38 Toluene < 0.000399 0.000399 mg/Kg 07/18/22 13:46 07/19/22 06:38 Ethylbenzene <0.000399 U 0.000399 07/18/22 13:46 07/19/22 06:38 mg/Kg 0.000798 07/19/22 06:38 m-Xylene & p-Xylene <0.000798 U 07/18/22 13:46 mg/Kg o-Xylene <0.000399 U 0.000399 mg/Kg 07/18/22 13:46 07/19/22 06:38 Xylenes, Total <0.000798 U 0.000798 mg/Kg 07/18/22 13:46 07/19/22 06:38 %Recovery Qualifier Dil Fac Surrogate Limits Prepared Analyzed

07/18/22 13:46 4-Bromofluorobenzene (Surr) 124 70 - 13007/19/22 06:38 1,4-Difluorobenzene (Surr) 80 70 - 130 07/18/22 13:46 07/19/22 06:38

Method: Total BTEX - Total BTEX Calculation

Analyte RL D Result Qualifier Unit Prepared Analyzed Dil Fac Total BTEX <0.000798 0.000798 07/18/22 15:39 mg/Kg

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

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac **Total TPH** 50.0 mg/Kg 07/12/22 16:24 303

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Matrix: Solid

Lab Sample ID: 890-2524-13

Lab Sample ID: 890-2524-14

Matrix: Solid

Client Sample Results

 Client: Ensolum
 Job ID: 890-2524-1

 Project/Site: Corral Canyon 8-32 103H 1162H
 SDG: 03E1558058

Client Sample ID: FS13

Date Collected: 07/09/22 15:30 Date Received: 07/11/22 08:42

Sample Depth: 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		07/12/22 08:43	07/12/22 13:47	1
(GRO)-C6-C10 Diesel Range Organics (Over	303		50.0	mg/Kg		07/12/22 08:43	07/12/22 13:47	1
C10-C28) OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/12/22 08:43	07/12/22 13:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130			07/12/22 08:43	07/12/22 13:47	1
o-Terphenyl	103		70 - 130			07/12/22 08:43	07/12/22 13:47	1
- Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2120	-	25.0	mg/Kg			07/16/22 03:12	5

Client Sample ID: FS14

Date Collected: 07/09/22 15:35

Date Received: 07/11/22 08:42

Sample Depth: 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000398	U	0.000398	mg/Kg		07/18/22 13:46	07/19/22 07:04	1
Toluene	<0.000398	U	0.000398	mg/Kg		07/18/22 13:46	07/19/22 07:04	1
Ethylbenzene	<0.000398	U	0.000398	mg/Kg		07/18/22 13:46	07/19/22 07:04	1
m-Xylene & p-Xylene	<0.000795	U	0.000795	mg/Kg		07/18/22 13:46	07/19/22 07:04	1
o-Xylene	<0.000398	U	0.000398	mg/Kg		07/18/22 13:46	07/19/22 07:04	1
Xylenes, Total	<0.000795	U	0.000795	mg/Kg		07/18/22 13:46	07/19/22 07:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130			07/18/22 13:46	07/19/22 07:04	1
1,4-Difluorobenzene (Surr)	80		70 - 130			07/18/22 13:46	07/19/22 07:04	1
Method: Total BTEX - Total BTEX	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000795	U	0.000795	mg/Kg			07/18/22 15:39	1
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	101		49.8	mg/Kg			07/12/22 16:24	1
Method: 8015B NM - Diesel Rang	je Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		07/12/22 08:43	07/12/22 14:09	1
Diesel Range Organics (Over C10-C28)	101		49.8	mg/Kg		07/12/22 08:43	07/12/22 14:09	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/12/22 08:43	07/12/22 14:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130			07/12/22 08:43	07/12/22 14:09	1
o-Terphenyl	95		70 - 130			07/12/22 08:43	07/12/22 14:09	1

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Lab Sample ID: 890-2524-14

Job ID: 890-2524-1

Client: Ensolum Project/Site: Corral Canyon 8-32 103H 1162H SDG: 03E1558058

Client Sample ID: FS14

Date Collected: 07/09/22 15:35 Date Received: 07/11/22 08:42

Sample Depth: 1

Method: 300.0 - Anions, Ion Chrom	natography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3020		25.0	mg/Kg			07/16/22 03:22	5

Client Sample ID: FS15 Lab Sample ID: 890-2524-15 Matrix: Solid

Date Collected: 07/08/22 11:15 Date Received: 07/11/22 08:42

Method: 8021B - Volatile Organic	Compounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200	mg/Kg		07/12/22 10:47	07/12/22 15:32	
Toluene	<0.00200	U	0.00200	mg/Kg		07/12/22 10:47	07/12/22 15:32	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/12/22 10:47	07/12/22 15:32	
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		07/12/22 10:47	07/12/22 15:32	
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/12/22 10:47	07/12/22 15:32	
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		07/12/22 10:47	07/12/22 15:32	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	89		70 - 130			07/12/22 10:47	07/12/22 15:32	
1,4-Difluorobenzene (Surr)	87		70 - 130			07/12/22 10:47	07/12/22 15:32	
Method: Total BTEX - Total BTE	(Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00399	U	0.00399	mg/Kg			07/12/22 15:39	
Mothod: 2015 NM Discal Bongs	Organica (DB)	0) (CC)						
Method: 8015 NM - Diesel Range Analyte	•	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	281		50.0	mg/Kg			07/12/22 16:24	
Method: 8015B NM - Diesel Rang	ge Organics (Di	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		07/12/22 08:43	07/12/22 12:42	
Diesel Range Organics (Over C10-C28)	281		50.0	mg/Kg		07/12/22 08:43	07/12/22 12:42	
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/12/22 08:43	07/12/22 12:42	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	97		70 - 130			07/12/22 08:43	07/12/22 12:42	
o-Terphenyl	104		70 - 130			07/12/22 08:43	07/12/22 12:42	
	omatography -	Soluble						
Method: 300.0 - Anions, Ion Chro	Jilialogiapily -	Colubic						
Method: 300.0 - Anions, Ion Chro Analyte	• • •	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa

Lab Sample ID: 890-2524-16

Client Sample Results

 Client: Ensolum
 Job ID: 890-2524-1

 Project/Site: Corral Canyon 8-32 103H 1162H
 SDG: 03E1558058

Client Sample ID: FS16

Date Collected: 07/08/22 11:20 Date Received: 07/11/22 08:42

Sample Depth: 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00198	U	0.00198	mg/Kg		07/12/22 10:47	07/12/22 15:52	
Toluene	<0.00198	U	0.00198	mg/Kg		07/12/22 10:47	07/12/22 15:52	
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		07/12/22 10:47	07/12/22 15:52	
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		07/12/22 10:47	07/12/22 15:52	
o-Xylene	<0.00198	U	0.00198	mg/Kg		07/12/22 10:47	07/12/22 15:52	
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		07/12/22 10:47	07/12/22 15:52	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	104		70 - 130			07/12/22 10:47	07/12/22 15:52	
1,4-Difluorobenzene (Surr)	91		70 - 130			07/12/22 10:47	07/12/22 15:52	
Method: Total BTEX - Total BTI	EX Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00396	U	0.00396	mg/Kg			07/12/22 15:39	
Method: 8015 NM - Diesel Rang	ge Organics (DR	O) (GC)						
Analyte	• •	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	216		49.9	mg/Kg			07/12/22 16:24	
Method: 8015B NM - Diesel Ra	nge 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		07/12/22 08:46	07/12/22 12:20	
Diesel Range Organics (Over C10-C28)	164		49.9	mg/Kg		07/12/22 08:46	07/12/22 12:20	
Oll Range Organics (Over C28-C36)	51.7		49.9	mg/Kg		07/12/22 08:46	07/12/22 12:20	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	86		70 - 130			07/12/22 08:46	07/12/22 12:20	
o-Terphenyl	93		70 - 130			07/12/22 08:46	07/12/22 12:20	
Method: 300.0 - Anions, Ion Ch	romatography -	Soluble						
Method: 300.0 - Anions, Ion Ch Analyte		Soluble Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa

Client Sample ID: FS17

Date Collected: 07/08/22 11:25

Lab Sample ID: 890-2524-17

Matrix: Solid

Date Collected: 07/08/22 11:25 Date Received: 07/11/22 08:42

Sample Depth: 1.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/12/22 10:47	07/12/22 16:13	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/12/22 10:47	07/12/22 16:13	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/12/22 10:47	07/12/22 16:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		07/12/22 10:47	07/12/22 16:13	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/12/22 10:47	07/12/22 16:13	1
Xylenes, Total	< 0.00400	U	0.00400	mg/Kg		07/12/22 10:47	07/12/22 16:13	1

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Project/Site: Corral Canyon 8-32 103H 1162H

Client: Ensolum

Job ID: 890-2524-1

SDG: 03E1558058

Client Sample ID: FS17

Date Collected: 07/08/22 11:25 Date Received: 07/11/22 08:42

Sample Depth: 1.5

Lab Sample ID: 890-2524-17

Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130			07/12/22 10:47	07/12/22 16:13	1
1,4-Difluorobenzene (Surr)	82		70 - 130			07/12/22 10:47	07/12/22 16:13	1
- Method: Total BTEX - Total BTEX C	alculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			07/12/22 15:39	1
- Method: 8015 NM - Diesel Range O	rganics (DR	O) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			07/12/22 16:24	1
- Method: 8015B NM - Diesel Range	Organics (D	RO) (GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		07/12/22 08:46	07/12/22 12:42	1
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		07/12/22 08:46	07/12/22 12:42	1
C10-C28) OII Range Organics (Over C28-C36)	<50.0		50.0	mg/Kg		07/12/22 08:46	07/12/22 12:42	1
Oil Range Organics (Over C26-C36)	\30.0	U	50.0	mg/Kg		07/12/22 06.40	07/12/22 12.42	ı
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130			07/12/22 08:46	07/12/22 12:42	1
o-Terphenyl	93		70 - 130			07/12/22 08:46	07/12/22 12:42	1
- Method: 300.0 - Anions, Ion Chrom	atography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2050		25.3	mg/Kg			07/12/22 18:25	5

Client Sample ID: FS18 Lab Sample ID: 890-2524-18 **Matrix: Solid**

Date Collected: 07/08/22 14:50 Date Received: 07/11/22 08:42

Sample Depth: 1.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		07/12/22 10:47	07/12/22 16:33	1
Toluene	<0.00202	U	0.00202	mg/Kg		07/12/22 10:47	07/12/22 16:33	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		07/12/22 10:47	07/12/22 16:33	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		07/12/22 10:47	07/12/22 16:33	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		07/12/22 10:47	07/12/22 16:33	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		07/12/22 10:47	07/12/22 16:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130			07/12/22 10:47	07/12/22 16:33	1
1,4-Difluorobenzene (Surr)	88		70 - 130			07/12/22 10:47	07/12/22 16:33	1
Method: Total BTEX - Total B1	EX Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			07/12/22 15:39	1
Method: 8015 NM - Diesel Rar	ige Organics (DR	O) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Lab Sample ID: 890-2524-18

07/12/22 10:47

07/12/22 10:47

07/12/22 16:54

07/12/22 16:54

Client Sample Results

Client: Ensolum Job ID: 890-2524-1 Project/Site: Corral Canyon 8-32 103H 1162H SDG: 03E1558058

Client Sample ID: FS18

Date Collected: 07/08/22 14:50 Date Received: 07/11/22 08:42

Sample Depth: 1.5 Method: 8015B NM - Diesel Range Organics (DRO) (GC)										
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		07/12/22 08:46	07/12/22 13:04	1		
Diesel Range Organics (Over C10-C28)	68.8		50.0	mg/Kg		07/12/22 08:46	07/12/22 13:04	1		
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	ma/Ka		07/12/22 08:46	07/12/22 13:04	1		

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	74	70 - 130	07/12/22 08:46	07/12/22 13:04	1
o-Terphenyl	74	70 - 130	07/12/22 08:46	07/12/22 13:04	1

Method: 300.0 - Anions, Ion Chromate	ography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	202		4.99	mg/Kg			07/12/22 18:33	1

Client Sample ID: FS19 Lab Sample ID: 890-2524-19 **Matrix: Solid**

Date Collected: 07/08/22 13:45 Date Received: 07/11/22 08:42

Sample Depth: 1

o-Xylene

Xylenes, Total

Method: 8021B - Volatile Or	ganic Compounds (GC)						
Analyte	Result Qualifie	r RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201 U	0.00201	mg/Kg		07/12/22 10:47	07/12/22 16:54	1
Toluene	<0.00201 U	0.00201	mg/Kg		07/12/22 10:47	07/12/22 16:54	1
Ethylbenzene	<0.00201 U	0.00201	mg/Kg		07/12/22 10:47	07/12/22 16:54	1
m-Xvlene & p-Xvlene	<0.00402 U	0.00402	ma/Ka		07/12/22 10:47	07/12/22 16:54	1

0.00201

0.00402

mg/Kg

mg/Kg

<0.00201 U

<0.00402 U

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103	70 - 130	07/12/22 10:47	07/12/22 16:54	1
1,4-Difluorobenzene (Surr)	85	70 - 130	07/12/22 10:47	07/12/22 16:54	1

Method: Total BTEX - Total BTEX C	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	ma/Ka			07/12/22 15:39	

Method: 8015 NM - Diesel Range (Organics (DRO) (GC)						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	410	50.0	mg/Kg			07/12/22 16:24	1

Method: 8015B NM - Diesel Rang	ge Organics (DRO)	(GC)					
Analyte	Result Qua	lifier RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0 U	50.0	mg/Kg		07/12/22 08:46	07/12/22 13:25	1
Diesel Range Organics (Over C10-C28)	324	50.0	mg/Kg		07/12/22 08:46	07/12/22 13:25	1
Oll Range Organics (Over	86.4	50.0	mg/Kg		07/12/22 08:46	07/12/22 13:25	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	82	70 - 130	07/12/22 08:46	07/12/22 13:25	1
o-Terphenyl	87	70 - 130	07/12/22 08:46	07/12/22 13:25	1

Job ID: 890-2524-1

Client: Ensolum Project/Site: Corral Canyon 8-32 103H 1162H SDG: 03E1558058

Client Sample ID: FS19 Lab Sample ID: 890-2524-19

Date Collected: 07/08/22 13:45 Matrix: Solid Date Received: 07/11/22 08:42

Sample Depth: 1

Method: 300.0 - Anions, Ion Chrom	atography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1190		24.8	mg/Kg			07/12/22 18:41	5

Client Sample ID: FS20 Lab Sample ID: 890-2524-20

Date Collected: 07/08/22 14:44

Date Received: 07/11/22 08:42

Sample Depth: 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00201	U	0.00201	mg/Kg		07/12/22 10:47	07/12/22 17:14	
Toluene	<0.00201	U	0.00201	mg/Kg		07/12/22 10:47	07/12/22 17:14	
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		07/12/22 10:47	07/12/22 17:14	
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		07/12/22 10:47	07/12/22 17:14	
o-Xylene	0.00581		0.00201	mg/Kg		07/12/22 10:47	07/12/22 17:14	
Xylenes, Total	0.00581		0.00402	mg/Kg		07/12/22 10:47	07/12/22 17:14	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	103		70 - 130			07/12/22 10:47	07/12/22 17:14	
1,4-Difluorobenzene (Surr)	87		70 - 130			07/12/22 10:47	07/12/22 17:14	
Method: Total BTEX - Total BT	EX Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	0.00581		0.00402	mg/Kg			07/12/22 15:39	
Method: 8015 NM - Diesel Ran Analyte	Result	Qualifier	RL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fa
Total TPH	362		50.0	mg/Kg			07/12/22 16:24	
Method: 8015B NM - Diesel Ra	ange Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		07/12/22 08:46	07/12/22 13:47	
Diesel Range Organics (Over C10-C28)	275		50.0	mg/Kg		07/12/22 08:46	07/12/22 13:47	
Oll Range Organics (Over C28-C36)	86.9		50.0	mg/Kg		07/12/22 08:46	07/12/22 13:47	
	0/5	Qualifier	Limits			Prepared	Analyzed	Dil Fa
Surrogate	<u></u>					07/12/22 08:46	07/12/22 13:47	
Surrogate 1-Chlorooctane			70 - 130			07/12/22 00.40	01/12/22 13.41	
	<u></u>		70 - 130 70 - 130			07/12/22 08:46	07/12/22 13:47	
1-Chlorooctane	89 97	Soluble						
1-Chlorooctane o-Terphenyl	89 97 hromatography -	Soluble Qualifier		Unit	D			Dil Fa

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Matrix: Solid

Surrogate Summary

Job ID: 890-2524-1 Client: Ensolum Project/Site: Corral Canyon 8-32 103H 1162H SDG: 03E1558058

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-16804-A-1-A MS	Matrix Spike	103	101	
880-16804-A-1-B MSD	Matrix Spike Duplicate	98	99	
890-2523-A-1-H MS	Matrix Spike	104	102	
890-2523-A-1-I MSD	Matrix Spike Duplicate	107	104	
890-2524-1	FS01	112	95	
890-2524-2	FS02	109	95	
890-2524-3	FS03	105	95	
390-2524-4	FS04	132 S1+	87	
890-2524-4 MS	FS04	134 S1+	97	
390-2524-4 MSD	FS04	108	88	
890-2524-5	FS05	125	85	
390-2524-6	FS06	139 S1+	92	
390-2524-7	FS07	132 S1+	91	
890-2524-8	FS08	121	81	
390-2524-9	FS09	140 S1+	94	
390-2524-10	FS10	117	85	
390-2524-11	FS11	92	84	
390-2524-12	FS12	124	85	
390-2524-13	FS13	124	80	
890-2524-14	FS14	125	80	
390-2524-15	FS15	89	87	
390-2524-16	FS16	104	91	
390-2524-17	FS17	100	82	
390-2524-18	FS18	107	88	
390-2524-19	FS19	103	85	
390-2524-20	FS20	103	87	
_CS 880-29534/1-A	Lab Control Sample	97	96	
_CS 880-29772/1-A	Lab Control Sample	103	97	
_CS 880-29959/1-A	Lab Control Sample	121	91	
_CSD 880-29534/2-A	Lab Control Sample Dup	100	97	
_CSD 880-29772/2-A	Lab Control Sample Dup	101	96	
_CSD 880-29959/2-A	Lab Control Sample Dup	131 S1+	92	
MB 880-29534/5-A	Method Blank	98	88	
MB 880-29772/5-A	Method Blank	97	89	
MB 880-29886/5-A	Method Blank	79	88	
MB 880-29959/5-A	Method Blank	84	83	

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)	
880-16749-A-1-C MS	Matrix Spike	85	84	
880-16749-A-1-D MSD	Matrix Spike Duplicate	95	90	
880-16749-A-15-C MS	Matrix Spike	107	103	

Surrogate Summary

 Client: Ensolum
 Job ID: 890-2524-1

 Project/Site: Corral Canyon 8-32 103H 1162H
 SDG: 03E1558058

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

Matrix: Solid Prep Type: Total/NA

		1001	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-16749-A-15-D MSD	Matrix Spike Duplicate	106	100
880-16754-A-3-C MS	Matrix Spike	79	81
880-16754-A-3-D MSD	Matrix Spike Duplicate	83	85
880-16754-A-17-C MS	Matrix Spike	74	64 S1-
880-16754-A-17-D MSD	Matrix Spike Duplicate	78	68 S1-
890-2524-1	FS01	109	116
890-2524-2	FS02	101	101
890-2524-3	FS03	103	108
890-2524-4	FS04	110	113
890-2524-5	FS05	115	116
890-2524-6	FS06	104	106
890-2524-7	FS07	110	114
890-2524-8	FS08	111	112
890-2524-9	FS09	110	113
890-2524-10	FS10	92	102
890-2524-11	FS11	100	113
890-2524-12	FS12	91	95
890-2524-13	FS13	98	103
890-2524-14	FS14	90	95
890-2524-15	FS15	97	104
890-2524-16	FS16	86	93
890-2524-17	FS17	85	93
890-2524-18	FS18	74	74
890-2524-19	FS19	82	87
890-2524-19	FS20	89	97
LCS 880-29505/2-A	Lab Control Sample	107	112
LCS 880-29506/2-A	•	107	94
LCS 880-29507/2-A	Lab Control Sample Lab Control Sample	106	120
	•		
LCS 880-29508/2-A	Lab Control Sample	99	105
LCSD 880-29505/3-A	Lab Control Sample Dup	112	115
LCSD 880-29506/3-A	Lab Control Sample Dup	101	96
LCSD 880-29507/3-A	Lab Control Sample Dup	96	105
LCSD 880-29508/3-A	Lab Control Sample Dup	100	107
MB 880-29505/1-A	Method Blank	107	120
MB 880-29506/1-A	Method Blank	115	123
MB 880-29507/1-A	Method Blank	117	139 S1+
MB 880-29508/1-A	Method Blank	97	110

Surrogate Legend

1CO = 1-Chlorooctane OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum Job ID: 890-2524-1 Project/Site: Corral Canyon 8-32 103H 1162H SDG: 03E1558058

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-29534/5-A

Matrix: Solid Analysis Batch: 29547 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29534

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/12/22 10:47	07/12/22 14:08	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/12/22 10:47	07/12/22 14:08	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/12/22 10:47	07/12/22 14:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		07/12/22 10:47	07/12/22 14:08	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/12/22 10:47	07/12/22 14:08	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/12/22 10:47	07/12/22 14:08	1

MB MB

Surrogate	%Recovery Qualif	ier Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98	70 - 130	07/12/22 10:47	07/12/22 14:08	1
1,4-Difluorobenzene (Surr)	88	70 - 130	07/12/22 10:47	07/12/22 14:08	1

Lab Sample ID: LCS 880-29534/1-A **Client Sample ID: Lab Control Sample**

Matrix: Solid

Analysis Batch: 29547

Prep Type: Total/NA

Prep Batch: 29534

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09658		mg/Kg		97	70 - 130	
Toluene	0.100	0.09541		mg/Kg		95	70 - 130	
Ethylbenzene	0.100	0.09716		mg/Kg		97	70 - 130	
m-Xylene & p-Xylene	0.200	0.1923		mg/Kg		96	70 - 130	
o-Xylene	0.100	0.1095		mg/Kg		110	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	97	70 - 130
1,4-Difluorobenzene (Surr)	96	70 - 130

Lab Sample ID: LCSD 880-29534/2-A

Matrix: Solid

Analysis Batch: 29547

Prep Type: Total/NA

Prep Batch: 29534

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1042		mg/Kg		104	70 - 130	8	35
Toluene	0.100	0.1034		mg/Kg		103	70 - 130	8	35
Ethylbenzene	0.100	0.1065		mg/Kg		107	70 - 130	9	35
m-Xylene & p-Xylene	0.200	0.2120		mg/Kg		106	70 - 130	10	35
o-Xylene	0.100	0.1191		mg/Kg		119	70 - 130	8	35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1.4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 880-16804-A-1-A MS

Matrix: Solid

Analysis Batch: 29547

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 29534

MS MS Sample Sample Spike Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits <0.00199 U 0.101 84 70 - 130 Benzene 0.08517 mg/Kg Toluene <0.00199 UF1 0.101 0.08075 mg/Kg 79 70 - 130

QC Sample Results

Client: Ensolum Job ID: 890-2524-1 Project/Site: Corral Canyon 8-32 103H 1162H SDG: 03E1558058

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

Lab Sample ID: 880-16804-A-1-A MS

Lab Sample ID: 880-16804-A-1-B MSD

Matrix: Solid

Analysis Batch: 29547

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 29534

	Sample	Sample	Spike	IVIS	IVIS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00199	U F1	0.101	0.08049		mg/Kg		78	70 - 130	
m-Xylene & p-Xylene	<0.00398	U F1	0.202	0.1614		mg/Kg		78	70 - 130	
o-Xylene	<0.00199	U F1	0.101	0.08750		mg/Kg		86	70 - 130	

MS MS

Surrogate	%Recovery Qualifie	r Limits
4-Bromofluorobenzene (Surr)	103	70 - 130
1,4-Difluorobenzene (Surr)	101	70 - 130

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 29534

Matrix: Solid Analysis Batch: 29547 Sample Sample Spike MSD MSD

RPD Result Qualifier Added Result Qualifier Limits RPD Limit Analyte Unit %Rec 0.100 0.07155 Benzene <0.00199 U mg/Kg 71 70 - 130 17 35 Toluene 0.100 0.06601 F1 65 70 - 130 <0.00199 UF1 mg/Kg 20 35 Ethylbenzene <0.00199 UF1 0.100 0.06245 F1 mg/Kg 61 70 - 130 25 35 0.200 0.1231 F1 60 70 - 130 27 35 m-Xylene & p-Xylene <0.00398 UF1 mg/Kg 0.100 o-Xylene <0.00199 UF1 0.06569 F1 65 70 - 130 28 mg/Kg

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	98	_	70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: MB 880-29772/5-A

Matrix: Solid

Analysis Batch: 29882

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29772

MB MB

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/14/22 16:34	07/17/22 15:57	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/14/22 16:34	07/17/22 15:57	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/14/22 16:34	07/17/22 15:57	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		07/14/22 16:34	07/17/22 15:57	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/14/22 16:34	07/17/22 15:57	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/14/22 16:34	07/17/22 15:57	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	07/14/22 16:34	07/17/22 15:57	1
1,4-Difluorobenzene (Surr)	89		70 - 130	07/14/22 16:34	07/17/22 15:57	1

Lab Sample ID: LCS 880-29772/1-A

Matrix: Solid

Analysis Batch: 29882

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29772

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08329		mg/Kg	_	83	70 - 130	
Toluene	0.100	0.08183		mg/Kg		82	70 - 130	
Ethylbenzene	0.100	0.08420		mg/Kg		84	70 - 130	
m-Xvlene & n-Xvlene	0.200	0.1660		ma/Ka		83	70 - 130	

QC Sample Results

Client: Ensolum Job ID: 890-2524-1 Project/Site: Corral Canyon 8-32 103H 1162H SDG: 03E1558058

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

Lab Sample ID: LCS 880-29772/1-A Client Sample ID: Lab Control Sample **Matrix: Solid** Prep Type: Total/NA Analysis Batch: 29882 Prep Batch: 29772

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits D 0.09367 o-Xylene 0.100 94 70 - 130 mg/Kg

LCS LCS Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 103 70 - 130 70 - 130 1,4-Difluorobenzene (Surr) 97

Lab Sample ID: LCSD 880-29772/2-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid Prep Type: Total/NA **Analysis Batch: 29882** Prep Batch: 29772

Spike LCSD LCSD Analyte Added Result Qualifier Unit D %Rec Limits **RPD** Limit Benzene 0.100 0.07356 mg/Kg 74 70 - 130 12 35 Toluene 0.100 0.07259 mg/Kg 73 70 - 130 12 35 Ethylbenzene 0.100 0.07458 mg/Kg 75 70 - 130 12 35 m-Xylene & p-Xylene 0.200 0.1473 mg/Kg 74 70 - 130 12 35 0.100 0.08374 84 70 - 130 35 o-Xylene mg/Kg 11

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

Lab Sample ID: 890-2523-A-1-H MS Client Sample ID: Matrix Spike

Matrix: Solid Prep Type: Total/NA Analysis Batch: 29882 Prep Batch: 29772 ме ме

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00199	U	0.0998	0.08216		mg/Kg		82	70 - 130	
Toluene	<0.00199	U F1	0.0998	0.06496	F1	mg/Kg		65	70 - 130	
Ethylbenzene	<0.00199	U F2 F1	0.0998	0.05534	F1	mg/Kg		55	70 - 130	
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.200	0.1096	F1	mg/Kg		54	70 - 130	
o-Xylene	<0.00199	U F2 F1	0.0998	0.06197	F1	mg/Kg		62	70 - 130	

MS MS Surrogate %Recovery Qualifier Limits 70 - 130 4-Bromofluorobenzene (Surr) 104 70 - 130 1,4-Difluorobenzene (Surr) 102

Lab Sample ID: 890-2523-A-1-I MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid Prep Type: Total/NA Analysis Batch: 29882 Prep Batch: 29772

	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	0.07866		mg/Kg		79	70 - 130	4	35
Toluene	<0.00199	U F1	0.100	0.04971	F1	mg/Kg		50	70 - 130	27	35
Ethylbenzene	<0.00199	U F2 F1	0.100	0.03297	F2 F1	mg/Kg		33	70 - 130	51	35
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.200	0.06571	F2 F1	mg/Kg		32	70 - 130	50	35
o-Xylene	<0.00199	U F2 F1	0.100	0.03825	F2 F1	mg/Kg		38	70 - 130	47	35

QC Sample Results

 Client: Ensolum
 Job ID: 890-2524-1

 Project/Site: Corral Canyon 8-32 103H 1162H
 SDG: 03E1558058

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

Lab Sample ID: 890-2523-A-1-I MSD

Matrix: Solid

Analysis Batch: 29882

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 29772

MSD MSD

 Surrogate
 %Recovery
 Qualifier
 Limits

 4-Bromofluorobenzene (Surr)
 107
 70 - 130

 1,4-Difluorobenzene (Surr)
 104
 70 - 130

Lab Sample ID: MB 880-29886/5-A

Matrix: Solid

Analysis Batch: 29895

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29886

MB MB

Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac <0.000400 U 0.000400 07/17/22 12:29 07/18/22 13:14 Benzene mg/Kg Toluene <0.000400 U 0.000400 mg/Kg 07/17/22 12:29 07/18/22 13:14 Ethylbenzene <0.000400 U 0.000400 07/17/22 12:29 07/18/22 13:14 mg/Kg m-Xylene & p-Xylene <0.000800 U 0.000800 mg/Kg 07/17/22 12:29 07/18/22 13:14 o-Xylene <0.000400 U 0.000400 mg/Kg 07/17/22 12:29 07/18/22 13:14 <0.000800 U 0.000800 Xylenes, Total mg/Kg 07/17/22 12:29 07/18/22 13:14

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79	70 - 130	07/17/22 12:29	07/18/22 13:14	1
1,4-Difluorobenzene (Surr)	88	70 - 130	07/17/22 12:29	07/18/22 13:14	1

Lab Sample ID: MB 880-29959/5-A

Matrix: Solid

Analysis Batch: 29895

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29959

MB MB

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000400	U	0.000400	mg/Kg		07/18/22 13:46	07/19/22 02:48	1
Toluene	<0.000400	U	0.000400	mg/Kg		07/18/22 13:46	07/19/22 02:48	1
Ethylbenzene	<0.000400	U	0.000400	mg/Kg		07/18/22 13:46	07/19/22 02:48	1
m-Xylene & p-Xylene	<0.000800	U	0.000800	mg/Kg		07/18/22 13:46	07/19/22 02:48	1
o-Xylene	<0.000400	U	0.000400	mg/Kg		07/18/22 13:46	07/19/22 02:48	1
Xylenes, Total	<0.000800	U	0.000800	mg/Kg		07/18/22 13:46	07/19/22 02:48	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	07/18/22 13:46	07/19/22 02:48	1
1,4-Difluorobenzene (Surr)	83		70 - 130	07/18/22 13:46	07/19/22 02:48	1

Lab Sample ID: LCS 880-29959/1-A

Matrix: Solid

Analysis Batch: 29895

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29959

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09466		mg/Kg		95	70 - 130	
Toluene	0.100	0.09695		mg/Kg		97	70 - 130	
Ethylbenzene	0.100	0.1040		mg/Kg		104	70 - 130	
m-Xylene & p-Xylene	0.200	0.2052		mg/Kg		103	70 - 130	
o-Xylene	0.100	0.1178		mg/Kg		118	70 - 130	

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Client: Ensolum Job ID: 890-2524-1 Project/Site: Corral Canyon 8-32 103H 1162H SDG: 03E1558058

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

Lab Sample ID: LCS 880-29959/1-A

Matrix: Solid

Analysis Batch: 29895

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29959

LCS LCS

Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 121 70 - 130 1,4-Difluorobenzene (Surr) 91 70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 29959

Lab Sample ID: LCSD 880-29959/2-A **Matrix: Solid**

Analysis Batch: 29895

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1012		mg/Kg		101	70 - 130	7	35
Toluene	0.100	0.1005		mg/Kg		100	70 - 130	4	35
Ethylbenzene	0.100	0.1121		mg/Kg		112	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.2207		mg/Kg		110	70 - 130	7	35
o-Xylene	0.100	0.1188		mg/Kg		119	70 - 130	1	35

LCSD LCSD %Recovery Qualifier Surrogate Limits 4-Bromofluorobenzene (Surr) 131 S1+ 70 - 130 1,4-Difluorobenzene (Surr) 92 70 - 130

Lab Sample ID: 890-2524-4 MS

Matrix: Solid

Analysis Batch: 29895

Client Sample ID: FS04 Prep Type: Total/NA Prep Batch: 29959

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.000399	U F1 F2	0.0998	0.1019		mg/Kg		102	70 - 130	
Toluene	< 0.000399	U F1 F2	0.0998	0.1027		mg/Kg		103	70 - 130	
Ethylbenzene	< 0.000399	U F1 F2	0.0998	0.1080		mg/Kg		108	70 - 130	
m-Xylene & p-Xylene	<0.000798	U F1 F2	0.200	0.2142		mg/Kg		107	70 - 130	
o-Xylene	<0.000399	U F2	0.0998	0.1160		mg/Kg		116	70 - 130	

MS MS %Recovery Qualifier Limits Surrogate 4-Bromofluorobenzene (Surr) 134 S1+ 70 - 130 97 70 - 130 1,4-Difluorobenzene (Surr)

Lab Sample ID: 890-2524-4 MSD

Released to Imaging: 8/10/2022 4:10:51 PM

Matrix: Solid

Analysis Batch: 29895

Client Sample ID: FS04 Prep Type: Total/NA

Prep Batch: 29959

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.000399	U F1 F2	0.101	0.05629	F1 F2	mg/Kg		56	70 - 130	58	35
Toluene	< 0.000399	U F1 F2	0.101	0.05921	F1 F2	mg/Kg		59	70 - 130	54	35
Ethylbenzene	< 0.000399	U F1 F2	0.101	0.06878	F1 F2	mg/Kg		68	70 - 130	44	35
m-Xylene & p-Xylene	<0.000798	U F1 F2	0.202	0.1340	F1 F2	mg/Kg		66	70 - 130	46	35
o-Xylene	<0.000399	U F2	0.101	0.07408	F2	mg/Kg		73	70 - 130	44	35

	MSD	MSD
nte	%Recovery	Qualific

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

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QC Sample Results

 Client: Ensolum
 Job ID: 890-2524-1

 Project/Site: Corral Canyon 8-32 103H 1162H
 SDG: 03E1558058

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

Lab Sample ID: MB 880-29505/1-A

Matrix: Solid Analysis Batch: 29501 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29505

	IVID	IVID						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		07/12/22 08:34	07/12/22 10:01	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		07/12/22 08:34	07/12/22 10:01	1
C10-C28)								
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/12/22 08:34	07/12/22 10:01	1
	MP	MR						

MB MB

MD MD

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	07/12/22 08:34	07/12/22 10:01	1
o-Terphenyl	120		70 - 130	07/12/22 08:34	07/12/22 10:01	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29505

LCS LCS Spike Analyte Added Result Qualifier Unit D %Rec Limits 802.8 70 - 130 Gasoline Range Organics 1000 80 mg/Kg (GRO)-C6-C10 1000 1050 Diesel Range Organics (Over mg/Kg 105 70 - 130C10-C28)

LCS LCS

l	Surrogate	%Recovery	Qualifier	Limits
	1-Chlorooctane	107		70 - 130
l	o-Terphenyl	112		70 - 130

Lab Sample ID: LCSD 880-29505/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Lab Sample ID: LCS 880-29505/2-A

Matrix: Solid

Analysis Batch: 29501

Analysis Batch: 29501

Prep Type: Total/NA

78

70 - 130

Prep Batch: 29505

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	855.8		mg/Kg		86	70 - 130	6	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	1065		mg/Kg		107	70 - 130	1	20
C10-C28)									

LCSD LCSD

<49.9 U

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	112	70 - 130
o-Terphenyl	115	70 - 130

Lab Sample ID: 880-16749-A-1-C MS

Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 29501

Diesel Range Organics (Over

Prep Type: Total/NA

mg/Kg

Prep Batch: 29505

MS MS Sample Sample Spike %Rec Result Qualifier Added Result Qualifier Analyte Unit %Rec Limits Gasoline Range Organics <49.9 U F2 996 817.4 mg/Kg 82 70 - 130 (GRO)-C6-C10

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C10-C28)

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 Client: Ensolum
 Job ID: 890-2524-1

 Project/Site: Corral Canyon 8-32 103H 1162H
 SDG: 03E1558058

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

MS MS

Lab Sample ID: 880-16749-A-1-C MS

Matrix: Solid

Analysis Batch: 29501

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 29505

 Surrogate
 %Recovery
 Qualifier
 Limits

 1-Chlorooctane
 85
 70 - 130

 o-Terphenyl
 84
 70 - 130

Lab Sample ID: 880-16749-A-1-D MSD

Matrix: Solid

Analysis Batch: 29501

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 29505

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD Limit <49.9 U F2 998 1049 F2 105 70 - 13025 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 998 <49.9 U 847.7 mg/Kg 85 70 - 1309 20 C10-C28)

MSD MSD

 Surrogate
 %Recovery
 Qualifier
 Limits

 1-Chlorooctane
 95
 70 - 130

 o-Terphenyl
 90
 70 - 130

Lab Sample ID: MB 880-29506/1-A Client Sample ID: Method Blank

Analysis Detaly 00500

Analysis Batch: 29503

Matrix: Solid

Prep Type: Total/NA

Prep Batch: 29506

Tep Batch. 23500

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Gasoline Range Organics <50.0 U 50.0 mg/Kg 07/12/22 08:38 07/12/22 10:01 (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 50.0 mg/Kg 07/12/22 08:38 07/12/22 10:01 C10-C28) Oll Range Organics (Over C28-C36) <50.0 U 50.0 07/12/22 08:38 07/12/22 10:01 mg/Kg

MB MB

MB MB

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 115 70 - 130 07/12/22 08:38 07/12/22 10:01 70 - 130 07/12/22 08:38 o-Terphenyl 123 07/12/22 10:01

Lab Sample ID: LCS 880-29506/2-A

Matrix: Solid

Analysis Batch: 29503

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29506

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits D 1000 Gasoline Range Organics 1065 106 70 - 130 mg/Kg (GRO)-C6-C10 1000 898.6 90 70 - 130 Diesel Range Organics (Over mg/Kg

C10-C28)

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	102		70 - 130
o-Terphenyl	94		70 - 130

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Job ID: 890-2524-1 Client: Ensolum Project/Site: Corral Canyon 8-32 103H 1162H

SDG: 03E1558058

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 29506

90

70 - 130

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

Lab Sample ID: LCSD 880-29506/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid** Prep Type: Total/NA Analysis Batch: 29503 Prep Batch: 29506 Spike LCSD LCSD RPD Analyte Added Result Qualifier %Rec Limits RPD Limit Unit D Gasoline Range Organics 1000 1061 mg/Kg 106 70 - 130 0 20 (GRO)-C6-C10

904 7

mg/Kg

1000

C10-C28) LCSD LCSD Qualifier Limits Surrogate %Recovery

70 - 130 1-Chlorooctane 101 o-Terphenyl 96 70 - 130

Lab Sample ID: 880-16749-A-15-C MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 29503

Diesel Range Organics (Over

MS MS %Rec Sample Sample Spike Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits Gasoline Range Organics <49.9 996 1196 mg/Kg 118 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over <49.9 U 996 1070 mg/Kg 103 70 - 130 C10-C28)

MS MS Surrogate %Recovery Qualifier Limits 1-Chlorooctane 107 70 - 130 103 70 - 130 o-Terphenyl

Lab Sample ID: 880-16749-A-15-D MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 29503

Prep Batch: 29506 Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit <49.9 U 998 20 Gasoline Range Organics 1211 119 70 - 130 mg/Kg (GRO)-C6-C10 998 1043 100 20 Diesel Range Organics (Over <49.9 LI mg/Kg 70 - 130 3 C10-C28)

MSD MSD Qualifier Limits Surrogate %Recovery 1-Chlorooctane 106 70 - 130 100 70 - 130 o-Terphenyl

Lab Sample ID: MB 880-29507/1-A Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 29497

мв мв Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Gasoline Range Organics <50.0 U 50.0 07/12/22 08:43 07/12/22 09:49 mg/Kg (GRO)-C6-C10 07/12/22 08:43 Diesel Range Organics (Over <50.0 U 50.0 mg/Kg 07/12/22 09:49 C10-C28) 07/12/22 08:43 OII Range Organics (Over C28-C36) <50.0 U 50.0 07/12/22 09:49 mg/Kg

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Prep Batch: 29507

Client: Ensolum Job ID: 890-2524-1 Project/Site: Corral Canyon 8-32 103H 1162H SDG: 03E1558058

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

Lab Sample ID: MB 880-29507/1-A

Matrix: Solid

Analysis Batch: 29497

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29507

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepa	ared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130	07/12/22	2 08:43	07/12/22 09:49	1
o-Terphenyl	139	S1+	70 - 130	07/12/22	2 08:43	07/12/22 09:49	1

Lab Sample ID: LCS 880-29507/2-A **Client Sample ID: Lab Control Sample**

Matrix: Solid

Analysis Batch: 29497

Prep Type: Total/NA

Prep Batch: 29507

-	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1114		mg/Kg		111	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1015		mg/Kg		101	70 - 130	
C10-C28)								

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	106		70 - 130
o-Terphenyl	120		70 - 130

Lab Sample ID: LCSD 880-29507/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 29497

Prep Type: Total/NA

Prep Batch: 29507

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1028		mg/Kg		103	70 - 130	8	20
Diesel Range Organics (Over	1000	927.3		mg/Kg		93	70 - 130	9	20
C10-C28)									

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	96		70 - 130
o-Ternhenyl	105		70 - 130

Lab Sample ID: 880-16754-A-3-C MS Client Sample ID: Matrix Spike **Matrix: Solid**

Prep Type: Total/NA Prep Batch: 29507

Analysis Batch: 29497

Spike MS MS %Rec Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits <49.9 U F2 996 1092 110 70 - 130 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <49.9 UF1 996 704.2 F1 mg/Kg 70 - 130

C10-C28)

MS MS

Surrogate	%Recovery Qu	alifier Limits
1-Chlorooctane	79	70 - 130
o-Terphenyl	81	70 - 130

Lab Sample ID: 880-16754-A-3-D MSD

Matrix: Solid

Surrogate

o-Terphenyl

Analysis Batch: 29497

QC Sample Results

Client: Ensolum Job ID: 890-2524-1 Project/Site: Corral Canyon 8-32 103H 1162H SDG: 03E1558058

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

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 29507

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	<49.9	U F2	998	813.6	F2	mg/Kg		82	70 - 130	29	20
(GRO)-C6-C10											
Diesel Range Organics (Over	<49.9	U F1	998	745.9		mg/Kg		73	70 - 130	6	20
C10-C28)											

MSD MSD %Recovery Qualifier Limits 1-Chlorooctane 70 - 130 83 85 70 - 130

Lab Sample ID: MB 880-29508/1-A Client Sample ID: Method Blank

Matrix: Solid

Analysis Batch: 29499

Prep Type: Total/NA

Prep Batch: 29508

мв мв Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac 50.0 07/12/22 08:46 07/12/22 09:49 Gasoline Range Organics <50.0 U mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 50.0 mg/Kg 07/12/22 08:46 07/12/22 09:49 OII Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 07/12/22 08:46 07/12/22 09:49

MB MB Qualifier Limits Dil Fac Surrogate %Recovery Prepared Analyzed 1-Chlorooctane 97 70 - 130 07/12/22 08:46 07/12/22 09:49 o-Terphenyl 110 70 - 130 07/12/22 08:46 07/12/22 09:49

Lab Sample ID: LCS 880-29508/2-A

Matrix: Solid

Analysis Batch: 29499

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

Prep Batch: 29508

LCS LCS Spike %Rec Added Analyte Result Qualifier Unit D %Rec Limits Gasoline Range Organics 1000 847.5 mg/Kg 85 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over 1000 859.1 mg/Kg 86 70 - 130 C10-C28)

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	105		70 - 130

Lab Sample ID: LCSD 880-29508/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 29499

Prep Type: Total/NA

Prep Batch: 29508

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	812.7		mg/Kg		81	70 - 130	4	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	843.7		mg/Kg		84	70 - 130	2	20
C10-C28)									

Job ID: 890-2524-1 Client: Ensolum Project/Site: Corral Canyon 8-32 103H 1162H

SDG: 03E1558058

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

Lab Sample ID: LCSD 880-29508/3-A **Matrix: Solid**

Analysis Batch: 29499

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 29508

	LOOD	LUUD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	107		70 - 130

Lab Sample ID: 880-16754-A-17-C MS

LCSD LCSD

Matrix: Solid

Matrix: Solid

Analysis Batch: 29499

Analysis Batch: 29499

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

Prep Batch: 29508

-	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Gasoline Range Organics	<49.9	U	996	988.5		mg/Kg		97	70 - 130
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U F1	996	691.2	F1	mg/Kg		67	70 - 130
C10-C28)									

Limits 70 - 130

MS MS Surrogate %Recovery Qualifier 1-Chlorooctane 74

Lab Sample ID: 880-16754-A-17-D MSD

64 S1-70 - 130 o-Terphenyl

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA Prep Batch: 29508

	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	<49.9	U	998	893.2		mg/Kg		88	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	998	744.1		mg/Kg		72	70 - 130	7	20

MSD MSD %Recovery Qualifier Surrogate Limits 70 - 130 1-Chlorooctane 78 o-Terphenyl 68 S1-70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-29460/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 29554

мв мв Dil Fac Analyte Result Qualifier RL Unit D Prepared Analyzed Chloride <5.00 U 5.00 mg/Kg 07/12/22 16:54

Lab Sample ID: LCS 880-29460/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 29554

Spike LCS LCS %Rec Analyte Added Result Qualifier Limits Chloride 250 254.4 mg/Kg 102 90 - 110

Job ID: 890-2524-1 Client: Ensolum Project/Site: Corral Canyon 8-32 103H 1162H SDG: 03E1558058

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-29460/3-A Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble**

Matrix: Solid Analysis Batch: 29554

Spike LCSD LCSD RPD %Rec Analyte Added Result Qualifier Unit %Rec Limits RPD Limit

Chloride 250 254.5 mg/Kg 102 90 - 110 20

Lab Sample ID: 880-16794-A-1-C MS Client Sample ID: Matrix Spike **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 29554

Sample Sample Spike MS MS %Rec Result Qualifier Added Analyte Result Qualifier Unit D %Rec Limits Chloride 4020 F1 2510 6237 F1 mg/Kg 89 90 - 110

Lab Sample ID: 880-16794-A-1-D MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid Prep Type: Soluble

Analysis Batch: 29554

MSD MSD RPD Spike %Rec Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 4020 F1 2510 6242 F1 mg/Kg 90 - 110

Lab Sample ID: MB 880-29581/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 29582

мв мв

Result Qualifier Analyte RL Unit Prepared Analyzed Dil Fac 5.00 mg/Kg 07/12/22 17:30 Chloride <5.00

Lab Sample ID: LCS 880-29581/2-A Client Sample ID: Lab Control Sample **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 29582

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits Chloride 250 235.4 mg/Kg 94 90 - 110

Lab Sample ID: LCSD 880-29581/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 29582

Spike LCSD LCSD %Rec Added RPD Analyte Result Qualifier Unit D %Rec Limits Limit Chloride 250 237 4 mg/Kg 90 - 110

Lab Sample ID: 890-2525-A-1-I MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 29582

MS MS %Rec Sample Sample Spike Added Analyte Result Qualifier Result Qualifier Limits Unit %Rec Chloride 80.0 1250 1264 mg/Kg 95 90 - 110

Lab Sample ID: 890-2525-A-1-J MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 29582

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,	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	80.0		1250	1275		mg/Kg		95	90 - 110	1	20

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RPD

Prep Type: Soluble

QC Sample Results

Job ID: 890-2524-1 Client: Ensolum Project/Site: Corral Canyon 8-32 103H 1162H

SDG: 03E1558058

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-29461/1-A

Matrix: Solid

Analysis Batch: 29656

Client Sample ID: Method Blank **Prep Type: Soluble**

мв мв Dil Fac Analyte Result Qualifier RL Unit D Prepared Analyzed Chloride <5.00 U 5.00 mg/Kg 07/15/22 23:18

Lab Sample ID: LCS 880-29461/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 29656

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 272.4 mg/Kg 109 90 - 110

Lab Sample ID: LCSD 880-29461/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 29656

LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit Chloride 250 273.4 mg/Kg 109 90 - 110

Lab Sample ID: 890-2524-7 MS **Client Sample ID: FS07 Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 29656

MS MS Sample Sample Spike %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits 1250 Chloride 1880 F1 3373 F1 120 90 - 110 mg/Kg

Lab Sample ID: 890-2524-7 MSD

Matrix: Solid

Analysis Batch: 29656

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 1880 F1 1250 3366 F1 mg/Kg 119 90 - 110 0 20

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Client Sample ID: FS07

Prep Type: Soluble

 Client: Ensolum
 Job ID: 890-2524-1

 Project/Site: Corral Canyon 8-32 103H 1162H
 SDG: 03E1558058

GC VOA

Prep Batch: 29534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2524-11	FS11	Total/NA	Solid	5035	
890-2524-15	FS15	Total/NA	Solid	5035	
890-2524-16	FS16	Total/NA	Solid	5035	
890-2524-17	FS17	Total/NA	Solid	5035	
890-2524-18	FS18	Total/NA	Solid	5035	
890-2524-19	FS19	Total/NA	Solid	5035	
890-2524-20	FS20	Total/NA	Solid	5035	
MB 880-29534/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-29534/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-29534/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-16804-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-16804-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 29547

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2524-11	FS11	Total/NA	Solid	8021B	29534
890-2524-15	FS15	Total/NA	Solid	8021B	29534
890-2524-16	FS16	Total/NA	Solid	8021B	29534
890-2524-17	FS17	Total/NA	Solid	8021B	29534
890-2524-18	FS18	Total/NA	Solid	8021B	29534
890-2524-19	FS19	Total/NA	Solid	8021B	29534
890-2524-20	FS20	Total/NA	Solid	8021B	29534
MB 880-29534/5-A	Method Blank	Total/NA	Solid	8021B	29534
MB 880-29534/5-A	Method Blank	Total/NA	Solid	Total BTEX	29534
LCS 880-29534/1-A	Lab Control Sample	Total/NA	Solid	8021B	29534
LCS 880-29534/1-A	Lab Control Sample	Total/NA	Solid	Total BTEX	29534
LCSD 880-29534/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	29534
LCSD 880-29534/2-A	Lab Control Sample Dup	Total/NA	Solid	Total BTEX	29534
880-16804-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	29534
880-16804-A-1-A MS	Matrix Spike	Total/NA	Solid	Total BTEX	29534
880-16804-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	29534
880-16804-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	Total BTEX	29534

Analysis Batch: 29568

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2524-11	FS11	Total/NA	Solid	Total BTEX	
890-2524-15	FS15	Total/NA	Solid	Total BTEX	
890-2524-16	FS16	Total/NA	Solid	Total BTEX	
890-2524-17	FS17	Total/NA	Solid	Total BTEX	
890-2524-18	FS18	Total/NA	Solid	Total BTEX	
890-2524-19	FS19	Total/NA	Solid	Total BTEX	
890-2524-20	FS20	Total/NA	Solid	Total BTEX	

Prep Batch: 29772

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2524-1	FS01	Total/NA	Solid	5035	
890-2524-2	FS02	Total/NA	Solid	5035	
890-2524-3	FS03	Total/NA	Solid	5035	
MB 880-29772/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-29772/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-29772/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

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 Client: Ensolum
 Job ID: 890-2524-1

 Project/Site: Corral Canyon 8-32 103H 1162H
 SDG: 03E1558058

GC VOA (Continued)

Prep Batch: 29772 (Continued)

	Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
	890-2523-A-1-H MS	Matrix Spike	Total/NA	Solid	5035	
Į	890-2523-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 29882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2524-1	FS01	Total/NA	Solid	8021B	29772
890-2524-2	FS02	Total/NA	Solid	8021B	29772
890-2524-3	FS03	Total/NA	Solid	8021B	29772
MB 880-29772/5-A	Method Blank	Total/NA	Solid	8021B	29772
LCS 880-29772/1-A	Lab Control Sample	Total/NA	Solid	8021B	29772
LCSD 880-29772/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	29772
890-2523-A-1-H MS	Matrix Spike	Total/NA	Solid	8021B	29772
890-2523-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	29772

Prep Batch: 29886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-29886/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 29895

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2524-4	FS04	Total/NA	Solid	8021B	29959
890-2524-5	FS05	Total/NA	Solid	8021B	29959
890-2524-6	FS06	Total/NA	Solid	8021B	29959
890-2524-7	FS07	Total/NA	Solid	8021B	29959
890-2524-8	FS08	Total/NA	Solid	8021B	29959
890-2524-9	FS09	Total/NA	Solid	8021B	29959
890-2524-10	FS10	Total/NA	Solid	8021B	29959
890-2524-12	FS12	Total/NA	Solid	8021B	29959
890-2524-13	FS13	Total/NA	Solid	8021B	29959
890-2524-14	FS14	Total/NA	Solid	8021B	29959
MB 880-29886/5-A	Method Blank	Total/NA	Solid	8021B	29886
MB 880-29959/5-A	Method Blank	Total/NA	Solid	8021B	29959
LCS 880-29959/1-A	Lab Control Sample	Total/NA	Solid	8021B	29959
LCSD 880-29959/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	29959
890-2524-4 MS	FS04	Total/NA	Solid	8021B	29959
890-2524-4 MSD	FS04	Total/NA	Solid	8021B	29959

Prep Batch: 29959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
890-2524-4	FS04	Total/NA	Solid	5035	
890-2524-5	FS05	Total/NA	Solid	5035	
890-2524-6	FS06	Total/NA	Solid	5035	
890-2524-7	FS07	Total/NA	Solid	5035	
890-2524-8	FS08	Total/NA	Solid	5035	
890-2524-9	FS09	Total/NA	Solid	5035	
890-2524-10	FS10	Total/NA	Solid	5035	
890-2524-12	FS12	Total/NA	Solid	5035	
890-2524-13	FS13	Total/NA	Solid	5035	
890-2524-14	FS14	Total/NA	Solid	5035	
MB 880-29959/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-29959/1-A	Lab Control Sample	Total/NA	Solid	5035	

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Client: Ensolum Job ID: 890-2524-1 Project/Site: Corral Canyon 8-32 103H 1162H SDG: 03E1558058

GC VOA (Continued)

Prep Batch: 29959 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-29959/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2524-4 MS	FS04	Total/NA	Solid	5035	
890-2524-4 MSD	FS04	Total/NA	Solid	5035	

Analysis Batch: 29991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2524-1	FS01	Total/NA	Solid	Total BTEX	-
890-2524-2	FS02	Total/NA	Solid	Total BTEX	
890-2524-3	FS03	Total/NA	Solid	Total BTEX	
890-2524-4	FS04	Total/NA	Solid	Total BTEX	
890-2524-5	FS05	Total/NA	Solid	Total BTEX	
890-2524-6	FS06	Total/NA	Solid	Total BTEX	
890-2524-7	FS07	Total/NA	Solid	Total BTEX	
890-2524-8	FS08	Total/NA	Solid	Total BTEX	
890-2524-9	FS09	Total/NA	Solid	Total BTEX	
890-2524-10	FS10	Total/NA	Solid	Total BTEX	
890-2524-12	FS12	Total/NA	Solid	Total BTEX	
890-2524-13	FS13	Total/NA	Solid	Total BTEX	
890-2524-14	FS14	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 29497

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Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2524-10	FS10	Total/NA	Solid	8015B NM	29507
890-2524-11	FS11	Total/NA	Solid	8015B NM	29507
890-2524-12	FS12	Total/NA	Solid	8015B NM	29507
890-2524-13	FS13	Total/NA	Solid	8015B NM	29507
890-2524-14	FS14	Total/NA	Solid	8015B NM	29507
890-2524-15	FS15	Total/NA	Solid	8015B NM	29507
MB 880-29507/1-A	Method Blank	Total/NA	Solid	8015B NM	29507
LCS 880-29507/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	29507
LCSD 880-29507/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	29507
880-16754-A-3-C MS	Matrix Spike	Total/NA	Solid	8015B NM	29507
880-16754-A-3-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	29507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2524-16	FS16	Total/NA	Solid	8015B NM	29508
890-2524-17	FS17	Total/NA	Solid	8015B NM	29508
890-2524-18	FS18	Total/NA	Solid	8015B NM	29508
890-2524-19	FS19	Total/NA	Solid	8015B NM	29508
890-2524-20	FS20	Total/NA	Solid	8015B NM	29508
MB 880-29508/1-A	Method Blank	Total/NA	Solid	8015B NM	29508
LCS 880-29508/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	29508
LCSD 880-29508/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	29508
880-16754-A-17-C MS	Matrix Spike	Total/NA	Solid	8015B NM	29508
880-16754-A-17-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	29508

Client: Ensolum Job ID: 890-2524-1 Project/Site: Corral Canyon 8-32 103H 1162H SDG: 03E1558058

GC Semi VOA

Analysis Batch: 29501

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2524-1	FS01	Total/NA	Solid	8015B NM	29505
890-2524-2	FS02	Total/NA	Solid	8015B NM	29505
MB 880-29505/1-A	Method Blank	Total/NA	Solid	8015B NM	29505
LCS 880-29505/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	29505
LCSD 880-29505/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	29505
880-16749-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	29505
880-16749-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	29505

Analysis Batch: 29503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2524-3	FS03	Total/NA	Solid	8015B NM	29506
890-2524-4	FS04	Total/NA	Solid	8015B NM	29506
890-2524-5	FS05	Total/NA	Solid	8015B NM	29506
890-2524-6	FS06	Total/NA	Solid	8015B NM	29506
890-2524-7	FS07	Total/NA	Solid	8015B NM	29506
890-2524-8	FS08	Total/NA	Solid	8015B NM	29506
890-2524-9	FS09	Total/NA	Solid	8015B NM	29506
MB 880-29506/1-A	Method Blank	Total/NA	Solid	8015B NM	29506
LCS 880-29506/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	29506
LCSD 880-29506/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	29506
880-16749-A-15-C MS	Matrix Spike	Total/NA	Solid	8015B NM	29506
880-16749-A-15-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	29506

Prep Batch: 29505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2524-1	FS01	Total/NA	Solid	8015NM Prep	
890-2524-2	FS02	Total/NA	Solid	8015NM Prep	
MB 880-29505/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-29505/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-29505/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-16749-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-16749-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 29506

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
890-2524-3	FS03	Total/NA	Solid	8015NM Prep	
890-2524-4	FS04	Total/NA	Solid	8015NM Prep	
890-2524-5	FS05	Total/NA	Solid	8015NM Prep	
890-2524-6	FS06	Total/NA	Solid	8015NM Prep	
890-2524-7	FS07	Total/NA	Solid	8015NM Prep	
890-2524-8	FS08	Total/NA	Solid	8015NM Prep	
890-2524-9	FS09	Total/NA	Solid	8015NM Prep	
MB 880-29506/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-29506/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-29506/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-16749-A-15-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-16749-A-15-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 29507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2524-10	FS10	Total/NA	Solid	8015NM Prep	

 Client: Ensolum
 Job ID: 890-2524-1

 Project/Site: Corral Canyon 8-32 103H 1162H
 SDG: 03E1558058

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Prep Batch: 29507 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2524-11	FS11	Total/NA	Solid	8015NM Prep	
890-2524-12	FS12	Total/NA	Solid	8015NM Prep	
890-2524-13	FS13	Total/NA	Solid	8015NM Prep	
890-2524-14	FS14	Total/NA	Solid	8015NM Prep	
890-2524-15	FS15	Total/NA	Solid	8015NM Prep	
MB 880-29507/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-29507/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-29507/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-16754-A-3-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-16754-A-3-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 29508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2524-16	FS16	Total/NA	Solid	8015NM Prep	
890-2524-17	FS17	Total/NA	Solid	8015NM Prep	
890-2524-18	FS18	Total/NA	Solid	8015NM Prep	
890-2524-19	FS19	Total/NA	Solid	8015NM Prep	
890-2524-20	FS20	Total/NA	Solid	8015NM Prep	
MB 880-29508/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-29508/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-29508/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-16754-A-17-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-16754-A-17-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 29577

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2524-11	FS11	Total/NA	Solid	8015 NM	
890-2524-15	FS15	Total/NA	Solid	8015 NM	
890-2524-16	FS16	Total/NA	Solid	8015 NM	
890-2524-17	FS17	Total/NA	Solid	8015 NM	
890-2524-18	FS18	Total/NA	Solid	8015 NM	
890-2524-19	FS19	Total/NA	Solid	8015 NM	
890-2524-20	FS20	Total/NA	Solid	8015 NM	

Analysis Batch: 29578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
890-2524-1	FS01	Total/NA	Solid	8015 NM	
890-2524-2	FS02	Total/NA	Solid	8015 NM	
890-2524-3	FS03	Total/NA	Solid	8015 NM	
890-2524-4	FS04	Total/NA	Solid	8015 NM	
890-2524-5	FS05	Total/NA	Solid	8015 NM	
890-2524-6	FS06	Total/NA	Solid	8015 NM	
890-2524-7	FS07	Total/NA	Solid	8015 NM	
890-2524-8	FS08	Total/NA	Solid	8015 NM	
890-2524-9	FS09	Total/NA	Solid	8015 NM	
890-2524-10	FS10	Total/NA	Solid	8015 NM	
890-2524-12	FS12	Total/NA	Solid	8015 NM	
890-2524-13	FS13	Total/NA	Solid	8015 NM	
890-2524-14	FS14	Total/NA	Solid	8015 NM	

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 Client: Ensolum
 Job ID: 890-2524-1

 Project/Site: Corral Canyon 8-32 103H 1162H
 SDG: 03E1558058

HPLC/IC

Leach Batch: 29460

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2524-11	FS11	Soluble	Solid	DI Leach	
890-2524-15	FS15	Soluble	Solid	DI Leach	
MB 880-29460/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-29460/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-29460/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-16794-A-1-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-16794-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 29461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2524-1	FS01	Soluble	Solid	DI Leach	
890-2524-2	FS02	Soluble	Solid	DI Leach	
890-2524-3	FS03	Soluble	Solid	DI Leach	
890-2524-4	FS04	Soluble	Solid	DI Leach	
890-2524-5	FS05	Soluble	Solid	DI Leach	
890-2524-6	FS06	Soluble	Solid	DI Leach	
890-2524-7	FS07	Soluble	Solid	DI Leach	
890-2524-8	FS08	Soluble	Solid	DI Leach	
890-2524-9	FS09	Soluble	Solid	DI Leach	
890-2524-10	FS10	Soluble	Solid	DI Leach	
890-2524-12	FS12	Soluble	Solid	DI Leach	
890-2524-13	FS13	Soluble	Solid	DI Leach	
890-2524-14	FS14	Soluble	Solid	DI Leach	
MB 880-29461/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-29461/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-29461/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2524-7 MS	FS07	Soluble	Solid	DI Leach	
890-2524-7 MSD	FS07	Soluble	Solid	DI Leach	

Analysis Batch: 29554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2524-11	FS11	Soluble	Solid	300.0	29460
890-2524-15	FS15	Soluble	Solid	300.0	29460
MB 880-29460/1-A	Method Blank	Soluble	Solid	300.0	29460
LCS 880-29460/2-A	Lab Control Sample	Soluble	Solid	300.0	29460
LCSD 880-29460/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	29460
880-16794-A-1-C MS	Matrix Spike	Soluble	Solid	300.0	29460
880-16794-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	29460

Leach Batch: 29581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2524-16	FS16	Soluble	Solid	DI Leach	
890-2524-17	FS17	Soluble	Solid	DI Leach	
890-2524-18	FS18	Soluble	Solid	DI Leach	
890-2524-19	FS19	Soluble	Solid	DI Leach	
890-2524-20	FS20	Soluble	Solid	DI Leach	
MB 880-29581/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-29581/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-29581/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2525-A-1-I MS	Matrix Spike	Soluble	Solid	DI Leach	
890-2525-A-1-J MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

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 Client: Ensolum
 Job ID: 890-2524-1

 Project/Site: Corral Canyon 8-32 103H 1162H
 SDG: 03E1558058

HPLC/IC

Analysis Batch: 29582

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2524-16	FS16	Soluble	Solid	300.0	29581
890-2524-17	FS17	Soluble	Solid	300.0	29581
890-2524-18	FS18	Soluble	Solid	300.0	29581
890-2524-19	FS19	Soluble	Solid	300.0	29581
890-2524-20	FS20	Soluble	Solid	300.0	29581
MB 880-29581/1-A	Method Blank	Soluble	Solid	300.0	29581
LCS 880-29581/2-A	Lab Control Sample	Soluble	Solid	300.0	29581
LCSD 880-29581/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	29581
890-2525-A-1-I MS	Matrix Spike	Soluble	Solid	300.0	29581
890-2525-A-1-J MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	29581

Analysis Batch: 29656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2524-1	FS01	Soluble	Solid	300.0	29461
890-2524-2	FS02	Soluble	Solid	300.0	29461
890-2524-3	FS03	Soluble	Solid	300.0	29461
890-2524-4	FS04	Soluble	Solid	300.0	29461
890-2524-5	FS05	Soluble	Solid	300.0	29461
890-2524-6	FS06	Soluble	Solid	300.0	29461
890-2524-7	FS07	Soluble	Solid	300.0	29461
890-2524-8	FS08	Soluble	Solid	300.0	29461
890-2524-9	FS09	Soluble	Solid	300.0	29461
890-2524-10	FS10	Soluble	Solid	300.0	29461
890-2524-12	FS12	Soluble	Solid	300.0	29461
890-2524-13	FS13	Soluble	Solid	300.0	29461
890-2524-14	FS14	Soluble	Solid	300.0	29461
MB 880-29461/1-A	Method Blank	Soluble	Solid	300.0	29461
LCS 880-29461/2-A	Lab Control Sample	Soluble	Solid	300.0	29461
LCSD 880-29461/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	29461
890-2524-7 MS	FS07	Soluble	Solid	300.0	29461
890-2524-7 MSD	FS07	Soluble	Solid	300.0	29461

 Client: Ensolum
 Job ID: 890-2524-1

 Project/Site: Corral Canyon 8-32 103H 1162H
 SDG: 03E1558058

Client Sample ID: FS01 Lab Sample ID: 890-2524-1

Date Collected: 07/09/22 13:55

Date Received: 07/11/22 08:42

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			4.99 g	5 mL	29772	07/14/22 16:34	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29882	07/17/22 17:41	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29991	07/18/22 15:39	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29578	07/12/22 16:24	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	29505	07/12/22 08:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29501	07/12/22 18:55	SM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	29461	07/12/22 16:14	SMC	XEN MID
Soluble	Analysis	300.0		5			29656	07/16/22 00:41	CH	XEN MID

Client Sample ID: FS02 Lab Sample ID: 890-2524-2

Date Collected: 07/09/22 14:00 Matrix: Solid
Date Received: 07/11/22 08:42

Batch Dil Initial Final Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Prep 5035 29772 Total/NA 4.98 g 5 mL 07/14/22 16:34 MR XEN MID Total/NA 8021B 5 mL 07/17/22 18:01 XEN MID Analysis 1 5 mL 29882 MR Total/NA Total BTEX 29991 07/18/22 15:39 XEN MID Analysis SM 1 Total/NA Analysis 8015 NM 29578 07/12/22 16:24 SM XEN MID Total/NA 29505 XEN MID Prep 8015NM Prep 10.00 g 07/12/22 08:34 DM 10 mL Total/NA Analysis 8015B NM 29501 07/12/22 19:16 SM XEN MID Soluble XEN MID Leach DI Leach 5.01 g 50 mL 29461 07/12/22 16:14 SMC Soluble Analysis 300.0 5 29656 07/17/22 14:48 CH XEN MID

Client Sample ID: FS03 Lab Sample ID: 890-2524-3

Date Collected: 07/09/22 14:05
Date Received: 07/11/22 08:42

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	29772	07/14/22 16:34	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29882	07/17/22 18:22	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29991	07/18/22 15:39	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29578	07/12/22 16:24	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29506	07/12/22 08:38	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29503	07/12/22 17:09	SM	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	29461	07/12/22 16:14	SMC	XEN MID
Soluble	Analysis	300.0		5			29656	07/16/22 01:12	CH	XEN MID

Client Sample ID: FS04 Lab Sample ID: 890-2524-4

Date Collected: 07/09/22 14:10 Matrix: Solid
Date Received: 07/11/22 08:42

	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	29959	07/18/22 13:46	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	1.0 mL	29895	07/19/22 03:13	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29991	07/18/22 15:39	SM	XEN MID

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Date Received: 07/11/22 08:42

Client: Ensolum Job ID: 890-2524-1 Project/Site: Corral Canyon 8-32 103H 1162H SDG: 03E1558058

Lab Sample ID: 890-2524-4

Client Sample ID: FS04 Date Collected: 07/09/22 14:10

Matrix: Solid

Batch	Batch		Dil	Initial	Final	Batch	Prepared			
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			29578	07/12/22 16:24	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	29506	07/12/22 08:38	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29503	07/12/22 17:31	SM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	29461	07/12/22 16:14	SMC	XEN MID
Soluble	Analysis	300.0		5			29656	07/16/22 01:22	CH	XEN MID

Client Sample ID: FS05 Lab Sample ID: 890-2524-5

Matrix: Solid

Date Collected: 07/09/22 14:15 Date Received: 07/11/22 08:42

Batch Batch Dil Initial Final Batch Prepared Prep Type Method Amount Amount Number or Analyzed Type Run Factor Analyst Lab 5035 Total/NA Prep 5.03 g 5 mL 29959 07/18/22 13:46 MR XEN MID Total/NA Analysis 8021B 5 mL 1.0 mL 29895 07/19/22 03:39 MR XEN MID 1 Total/NA Total BTEX 29991 XEN MID Analysis 1 07/18/22 15:39 SM Total/NA Analysis 8015 NM 29578 07/12/22 16:24 SM XEN MID XEN MID Total/NA Prep 8015NM Prep 10.00 g 10 mL 29506 07/12/22 08:38 DM Total/NA Analysis 8015B NM 29503 07/12/22 17:51 SM XEN MID 1 Soluble Leach DI Leach 5.05 g 50 mL 29461 07/12/22 16:14 SMC XEN MID Soluble Analysis 300.0 5 29656 07/16/22 01:31 СН XEN MID

Client Sample ID: FS06 Lab Sample ID: 890-2524-6

Date Collected: 07/09/22 14:20 **Matrix: Solid** Date Received: 07/11/22 08:42

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	29959	07/18/22 13:46	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	1.0 mL	29895	07/19/22 04:04	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29991	07/18/22 15:39	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29578	07/12/22 16:24	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	29506	07/12/22 08:38	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29503	07/12/22 18:12	SM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	29461	07/12/22 16:14	SMC	XEN MID
Soluble	Analysis	300.0		5			29656	07/16/22 01:40	CH	XEN MID

Client Sample ID: FS07 Lab Sample ID: 890-2524-7

Date Collected: 07/09/22 14:35 Date Received: 07/11/22 08:42

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	29959	07/18/22 13:46	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	1.0 mL	29895	07/19/22 04:30	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29991	07/18/22 15:39	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29578	07/12/22 16:24	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	29506	07/12/22 08:38	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29503	07/12/22 18:34	SM	XEN MID

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Matrix: Solid

Client: Ensolum

Job ID: 890-2524-1 Project/Site: Corral Canyon 8-32 103H 1162H SDG: 03E1558058

Client Sample ID: FS07 Lab Sample ID: 890-2524-7

Date Collected: 07/09/22 14:35 Matrix: Solid Date Received: 07/11/22 08:42

		Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Pı	гер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
So	oluble	Leach	DI Leach			5 g	50 mL	29461	07/12/22 16:14	SMC	XEN MID
So	oluble	Analysis	300.0		5			29656	07/16/22 01:49	CH	XEN MID

Client Sample ID: FS08 Lab Sample ID: 890-2524-8

Date Collected: 07/09/22 14:40 **Matrix: Solid**

Date Received: 07/11/22 08:42

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	29959	07/18/22 13:46	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	1.0 mL	29895	07/19/22 04:55	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29991	07/18/22 15:39	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29578	07/12/22 16:24	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29506	07/12/22 08:38	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29503	07/12/22 18:55	SM	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	29461	07/12/22 12:10	SMC	XEN MID
Soluble	Analysis	300.0		5			29656	07/16/22 02:17	CH	XEN MID

Client Sample ID: FS09 Lab Sample ID: 890-2524-9

Date Collected: 07/09/22 15:06 **Matrix: Solid** Date Received: 07/11/22 08:42

	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	29959	07/18/22 13:46	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	1.0 mL	29895	07/19/22 05:21	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29991	07/18/22 15:39	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29578	07/12/22 16:24	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	29506	07/12/22 08:38	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29503	07/12/22 19:16	SM	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	29461	07/12/22 12:10	SMC	XEN MID
Soluble	Analysis	300.0		1			29656	07/16/22 02:26	CH	XEN MID

Client Sample ID: FS10 Lab Sample ID: 890-2524-10

Date Collected: 07/09/22 15:10 Date Received: 07/11/22 08:42

	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	29959	07/18/22 13:46	MR	XEN MID
Total/NA	Analysis	8021B		1			29895	07/19/22 05:46	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29991	07/18/22 15:39	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29578	07/12/22 16:24	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29507	07/12/22 08:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29497	07/12/22 13:04	SM	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	29461	07/12/22 12:10	SMC	XEN MID
Soluble	Analysis	300.0		1			29656	07/16/22 02:54	CH	XEN MID

Eurofins Carlsbad

Matrix: Solid

 Client: Ensolum
 Job ID: 890-2524-1

 Project/Site: Corral Canyon 8-32 103H 1162H
 SDG: 03E1558058

Client Sample ID: FS11 Lab Sample ID: 890-2524-11

Date Collected: 07/08/22 11:00 Matrix: Solid
Date Received: 07/11/22 08:42

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	29534	07/12/22 10:47	EL	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	29547	07/12/22 15:11	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29568	07/12/22 15:39	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29577	07/12/22 16:24	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	29507	07/12/22 08:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29497	07/12/22 12:20	SM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	29460	07/12/22 12:05	SMC	XEN MID
Soluble	Analysis	300.0		5			29554	07/12/22 19:46	CH	XEN MID

Client Sample ID: FS12

Date Collected: 07/09/22 15:20

Lab Sample ID: 890-2524-12

Matrix: Solid

Date Received: 07/11/22 08:42

	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	29959	07/18/22 13:46	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	1.0 mL	29895	07/19/22 06:12	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29991	07/18/22 15:39	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29578	07/12/22 16:24	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29507	07/12/22 08:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29497	07/12/22 13:25	SM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	29461	07/12/22 12:10	SMC	XEN MID
Soluble	Analysis	300.0		1			29656	07/16/22 03:03	CH	XEN MID

Client Sample ID: FS13

Date Collected: 07/09/22 15:30

Lab Sample ID: 890-2524-13

Matrix: Solid

Date Received: 07/11/22 08:42

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	29959	07/18/22 13:46	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	1.0 mL	29895	07/19/22 06:38	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29991	07/18/22 15:39	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29578	07/12/22 16:24	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	29507	07/12/22 08:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29497	07/12/22 13:47	SM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	29461	07/12/22 12:10	SMC	XEN MID
Soluble	Analysis	300.0		5			29656	07/16/22 03:12	CH	XEN MID

Client Sample ID: FS14

Date Collected: 07/09/22 15:35

Lab Sample ID: 890-2524-14

Matrix: Solid

Date Received: 07/11/22 08:42

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	29959	07/18/22 13:46	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	1.0 mL	29895	07/19/22 07:04	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29991	07/18/22 15:39	SM	XEN MID

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Client: Ensolum Project/Site: Corral Canyon 8-32 103H 1162H

SDG: 03E1558058

Job ID: 890-2524-1

Client Sample ID: FS14

Date Collected: 07/09/22 15:35 Date Received: 07/11/22 08:42 Lab Sample ID: 890-2524-14

Matrix: Solid

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			29578	07/12/22 16:24	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	29507	07/12/22 08:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29497	07/12/22 14:09	SM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	29461	07/12/22 12:10	SMC	XEN MID
Soluble	Analysis	300.0		5			29656	07/16/22 03:22	CH	XEN MID

Client Sample ID: FS15 Lab Sample ID: 890-2524-15

Date Collected: 07/08/22 11:15
Date Received: 07/11/22 08:42

	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	29534	07/12/22 10:47	EL	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	29547	07/12/22 15:32	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29568	07/12/22 15:39	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29577	07/12/22 16:24	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29507	07/12/22 08:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29497	07/12/22 12:42	SM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	29460	07/12/22 12:05	SMC	XEN MID
Soluble	Analysis	300.0		5			29554	07/12/22 19:56	CH	XEN MID

Client Sample ID: FS16 Lab Sample ID: 890-2524-16

Date Collected: 07/08/22 11:20
Date Received: 07/11/22 08:42

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			5.05 g	5 mL	29534	07/12/22 10:47	EL	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	29547	07/12/22 15:52	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29568	07/12/22 15:39	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29577	07/12/22 16:24	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	29508	07/12/22 08:46	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29499	07/12/22 12:20	SM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	29581	07/12/22 12:03	SMC	XEN MID
Soluble	Analysis	300.0		5			29582	07/12/22 18:17	CH	XEN MID

Client Sample ID: FS17 Lab Sample ID: 890-2524-17

Date Collected: 07/08/22 11:25

Date Received: 07/11/22 08:42

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	29534	07/12/22 10:47	EL	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	29547	07/12/22 16:13	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29568	07/12/22 15:39	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29577	07/12/22 16:24	SM	XEN MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.01 g	10 mL	29508 29499	07/12/22 08:46 07/12/22 12:42	DM SM	XEN MID XEN MID

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Lab Chronicle

 Client: Ensolum
 Job ID: 890-2524-1

 Project/Site: Corral Canyon 8-32 103H 1162H
 SDG: 03E1558058

Client Sample ID: FS17

Date Collected: 07/08/22 11:25 Date Received: 07/11/22 08:42 Lab Sample ID: 890-2524-17

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	29581	07/12/22 12:03	SMC	XEN MID
Soluble	Analysis	300.0		5			29582	07/12/22 18:25	CH	XEN MID

Client Sample ID: FS18 Lab Sample ID: 890-2524-18

Date Collected: 07/08/22 14:50 Matrix: Solid

Date Received: 07/11/22 08:42

Batch Bat

	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	29534	07/12/22 10:47	EL	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	29547	07/12/22 16:33	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29568	07/12/22 15:39	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29577	07/12/22 16:24	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29508	07/12/22 08:46	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29499	07/12/22 13:04	SM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	29581	07/12/22 12:03	SMC	XEN MID
Soluble	Analysis	300.0		1			29582	07/12/22 18:33	CH	XEN MID

Client Sample ID: FS19 Lab Sample ID: 890-2524-19

Date Collected: 07/08/22 13:45

Date Received: 07/11/22 08:42

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	29534	07/12/22 10:47	EL	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	29547	07/12/22 16:54	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29568	07/12/22 15:39	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29577	07/12/22 16:24	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	29508	07/12/22 08:46	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29499	07/12/22 13:25	SM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	29581	07/12/22 12:03	SMC	XEN MID
Soluble	Analysis	300.0		5			29582	07/12/22 18:41	CH	XEN MID

Client Sample ID: FS20 Lab Sample ID: 890-2524-20

Date Collected: 07/08/22 14:44

Date Received: 07/11/22 08:42

	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	29534	07/12/22 10:47	EL	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	29547	07/12/22 17:14	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29568	07/12/22 15:39	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29577	07/12/22 16:24	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29508	07/12/22 08:46	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29499	07/12/22 13:47	SM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	29581	07/12/22 12:03	SMC	XEN MID
Soluble	Analysis	300.0		1			29582	07/12/22 19:04	CH	XEN MID

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Matrix: Solid

Released to Imaging: 8/10/2022 4:10:51 PM

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Lab Chronicle

Client: Ensolum

Project/Site: Corral Canyon 8-32 103H 1162H

Laboratory References:

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

Job ID: 890-2524-1 SDG: 03E1558058

Accreditation/Certification Summary

 Client: Ensolum
 Job ID: 890-2524-1

 Project/Site: Corral Canyon 8-32 103H 1162H
 SDG: 03E1558058

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 analytes are included in this repo the agency does not offer certification.		it the laboratory is not certific	ed by the governing authority. This list ma	include analytes for wh	
the agency does not of	fer certification.	•	, , ,	.,	
the agency does not of Analysis Method	fer certification . Prep Method	Matrix	Analyte	-,	
0 ,		Matrix Solid	Analyte Total TPH		

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Method Summary

Client: Ensolum

Job ID: 890-2524-1 Project/Site: Corral Canyon 8-32 103H 1162H SDG: 03E1558058

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 8-32 103H 1162H

Job ID: 890-2524-1

SDG: 03E1558058

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2524-1	FS01	Solid	07/09/22 13:55	07/11/22 08:42	1
890-2524-2	FS02	Solid	07/09/22 14:00	07/11/22 08:42	1
890-2524-3	FS03	Solid	07/09/22 14:05	07/11/22 08:42	1
890-2524-4	FS04	Solid	07/09/22 14:10	07/11/22 08:42	1
890-2524-5	FS05	Solid	07/09/22 14:15	07/11/22 08:42	1
890-2524-6	FS06	Solid	07/09/22 14:20	07/11/22 08:42	1
890-2524-7	FS07	Solid	07/09/22 14:35	07/11/22 08:42	1
890-2524-8	FS08	Solid	07/09/22 14:40	07/11/22 08:42	1
890-2524-9	FS09	Solid	07/09/22 15:06	07/11/22 08:42	1
890-2524-10	FS10	Solid	07/09/22 15:10	07/11/22 08:42	1
890-2524-11	FS11	Solid	07/08/22 11:00	07/11/22 08:42	1
890-2524-12	FS12	Solid	07/09/22 15:20	07/11/22 08:42	1
890-2524-13	FS13	Solid	07/09/22 15:30	07/11/22 08:42	1
890-2524-14	FS14	Solid	07/09/22 15:35	07/11/22 08:42	1
890-2524-15	FS15	Solid	07/08/22 11:15	07/11/22 08:42	1
890-2524-16	FS16	Solid	07/08/22 11:20	07/11/22 08:42	1
890-2524-17	FS17	Solid	07/08/22 11:25	07/11/22 08:42	1.5
890-2524-18	FS18	Solid	07/08/22 14:50	07/11/22 08:42	1.5
890-2524-19	FS19	Solid	07/08/22 13:45	07/11/22 08:42	1
890-2524-20	FS20	Solid	07/08/22 14:44	07/11/22 08:42	1

Relinquish

Signature)

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Circle Method(s) and Metal(s) to be analyzed

Total 200.7 / 6010

200.8 / 6020:

service. Eurofins Xenco will be liable only for the cost of samples and sha lice: Signature of this document and relinquishment of samples constitu

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

JAN JA	Bill to: (if different)	(JAMett	June	Work Order Comments	Comments	
	Company Name:	0	au	Program: UST/PST PRP Br	Brownfields ☐ RRC ☐ Superfund ☐	
50/187 HWZ	Address:	3102 E	(greene St.	State of Project:		
02221 N	City, State ZIP:	CONVERC	all was board	Reporting: Level II Level III	PST/UST TRRP Level IV	
67 Email:	-	(Demois	noulum. Com	Deliverables: EDD AD	ADaPT Other:	
7-32 10) HII With Argund,	Around,		ANALYSIS REQUEST	EST	Preservative Codes	
	ORush Pres.				None: NO DI Water: H ₂ O	
J WA Due Date:	ろスまろ	D			Cool: Cool MeOH: Me	
TAT starts the	TAT starts the day received by the lab, if received by 4:30pm	300	 - -		H,SO4:H, NaOH:Na	
Yes No Wet Ice:	Res No	100 HOVE			H ₃ PO ₄ : HP	
nometer	3	no:			NaHSO 4: NABIS	
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Temperature Reading:	1.5	lm	890-2524 Chain of Custody	of Custody	Zn Acetate+NaOH: Zn	57
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SAMPLE RECEIPT

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Yes No Yes No

Total Containers:

Sample Identification

Matrix

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Sampler's Name:

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Project Number:

Project Name:

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Work Order No:

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Revised Date: 08/25/2020 Rev. 2020.2

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Environment Testing

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ANALYSIS REQUEST

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roject Name:

roject Number

oject Location:

Cont

Due Date:

Ostpho Albandt

Code

Chain of Custody

Houston, TX	Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300	
Midland, TX (4	Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334	Work Order No:
EL Paso, TX (EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296)
Hobbs, NM (Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	2
		www.xenco.com Page L of
Bill to: (if different)	Compette Guer	Work Order Comments
Company Name:	XTO Energy	Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
Address:	BION E Overe St.	State of Project:
City, State ZIP:	Campag MM 88000	Reporting: Level II Level III PST/UST TRRP Level IV

SAMPLE RECEIPT Sampler's Name: Cooler Custody Seals: Circle Method(s) and Metal(s) to be analyzed amples Received Intact: sample Custody Seals: ities: 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 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 Total 200.7 / 6010 Relinquished Sample Identification charge of \$85.00 will be applied to each project and a charge of \$5 for each sample subm nature) 200.8 / 6020: Yes No Temp Blank: N_O Matrix Haven 2211.11 22111 1211. Sampled Correction Factor: Corrected Temperature: Received by: (Signature) 117122 Res No Date 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni SUST 1530 الكالم 075 Sampled Wet ice: TAT starts the day received by 20 1100 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 Depth CO--NVI res No þ Comp Grab/ 7/11/20 Cont # of **Parameters** Date/Time btex epa methodani B £180 ton ea melnod rois wio Chlorde epu nevod 3000 Relinquished by: (Signature) K Se Received by: (Signature) Hg: Ag SiO₂ 1631 / 245.1 / 7470 Na Sr Tl Sn U V Zn H2SO 4: H2 Na2S2O3: NaSO 3 H3PO4: HP HCL: HC NaHSO 4: NABIS NaOH+Ascorbic Acid: SAPC Zn Acetate+NaOH: Zn Sample Comments /7471 Date: 08/25/2020 Rev. 2020 .: Date/Time HNO 3: HN

Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-2524-1 SDG Number: 03E1558058

List Source: Eurofins Carlsbad

Login Number: 2524 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	

Released to Imaging: 8/10/2022 4:10:51 PM

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Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-2524-1 SDG Number: 03E1558058

Login Number: 2524
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	N/A	

4

7/19/2022

<6mm (1/4").



ANALYTICAL REPORT

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

Laboratory Job ID: 890-2523-2

Laboratory Sample Delivery Group: 03E1558058 Client Project/Site: Corral Canyon 832 103H 163H

Revision: 2

For:

eurofins 🙀

Ensolum 705 W. Wadley Suite 210 Midland, Texas 79701

Attn: Tacoma Morrissey

RAMER

Authorized for release by: 7/29/2022 2:45:31 PM

Jessica Kramer, Project Manager (432)704-5440

Jessica.Kramer@et.eurofinsus.com

Visit us at:

..... LINKS

Review your project results through

EOL

Have a Question?

www.eurofinsus.com/Env Released to Imaging: 8/10/2022 4:10:51 PM

Received by OCD: 8/5/2022 1:55:15 PM

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 832 103H 163H Laboratory Job ID: 890-2523-2 SDG: 03E1558058

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Definitions/Glossary

Client: Ensolum Job ID: 890-2523-2 Project/Site: Corral Canyon 832 103H 163H

SDG: 03E1558058

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

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 MLMinimum 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)

Negative / Absent NEG POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive QC **Quality Control**

Relative Error Ratio (Radiochemistry) RER

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) Toxicity Equivalent Quotient (Dioxin) TEQ

TNTC Too Numerous To Count

Case Narrative

Client: Ensolum

Job ID: 890-2523-2 SDG: 03E1558058 Project/Site: Corral Canyon 832 103H 163H

Job ID: 890-2523-2

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-2523-2

Comments

No additional comments.

Report revision history

Revision 1 - 7/29/2022 - Reason - Revising sample ID from SS05 to SS04.

Receipt

The samples were received on 7/11/2022 8:41 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.2° C.

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 880-29772 and analytical batch 880-29882 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

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

GC Semi VOA

Method 8015B NM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-29505 and analytical batch 880-29501 was outside control limits. Sample non-homogeneity is suspected.

Method 8015B NM: CCV biased high for diesel range hydrocarbons, however an acceptable CCV was analyzed within the 12 hour window, therefore data was qualified and reported.

(CCV 880-29501/57)

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

General Chemistry

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

Organic Prep

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

VOA Prep

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

Client Sample Results

 Client: Ensolum
 Job ID: 890-2523-2

 Project/Site: Corral Canyon 832 103H 163H
 SDG: 03E1558058

Client Sample ID: SS04 Lab Sample ID: 890-2523-4

Matrix: Solid

Date Received: 07/11/22 08:41 Sample Depth: 0.5

Date Collected: 07/06/22 13:50

A I4 -	D 14	O 1161	D.	1114		Daniel and a second	A I	D:: E
Analyte		Qualifier	RL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Benzene	<0.00199		0.00199	mg/Kg		07/14/22 16:34		1
Toluene	<0.00199		0.00199	mg/Kg			07/17/22 17:20	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		07/14/22 16:34	07/17/22 17:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		07/14/22 16:34	07/17/22 17:20	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/14/22 16:34	07/17/22 17:20	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/14/22 16:34	07/17/22 17:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130			07/14/22 16:34	07/17/22 17:20	1
1,4-Difluorobenzene (Surr)	97		70 - 130			07/14/22 16:34	07/17/22 17:20	1
Method: Total BTEX - Total	BTEX Calcula	tion						
		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	itosuit	audiii.o.						
Total BTEX	<0.00398		0.00398	mg/Kg			07/18/22 15:39	1
Total BTEX	<0.00398	U	0.00398	mg/Kg		<u> </u>	07/18/22 15:39	1
•	<0.00398	U	0.00398	mg/Kg Unit		Prepared	07/18/22 15:39 Analyzed	1 Dil Fac
Total BTEX Method: 8015 NM - Diesel F	<0.00398	U S (DRO) (0	0.00398 GC)	0 0	<u>D</u>	· · · ·		·
Total BTEX Method: 8015 NM - Diesel F Analyte	<0.00398 Range Organic Result 72.5	S (DRO) (C	0.00398 GC) RL 50.0	Unit	<u>D</u>	· · · ·	Analyzed	Dil Fac
Total BTEX Method: 8015 NM - Diesel F Analyte Total TPH	<0.00398 Range Organic Result 72.5 I Range Organ	S (DRO) (C	0.00398 GC) RL 50.0	Unit	<u>D</u>	· · · ·	Analyzed	Dil Fac
Total BTEX Method: 8015 NM - Diesel F Analyte Total TPH Method: 8015B NM - Diesel Analyte Gasoline Range Organics	<0.00398 Range Organic Result 72.5 I Range Organ	s (DRO) (O Qualifier ics (DRO) Qualifier	0.00398 GC) RL 50.0 (GC)	Unitmg/Kg	_ =	Prepared	Analyzed 07/13/22 09:13	Dil Fac
Total BTEX Method: 8015 NM - Diesel F Analyte Total TPH Method: 8015B NM - Diesel Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<0.00398 Range Organic Result 72.5 I Range Organ Result	S (DRO) (O Qualifier U	0.00398 RL 50.0 (GC) RL	Unit mg/Kg	_ =	Prepared Prepared 07/12/22 08:34	Analyzed 07/13/22 09:13	Dil Fac
Method: 8015 NM - Diesel F Analyte Total TPH Method: 8015B NM - Diesel Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<0.00398 Range Organic Result 72.5 I Range Organic Result <50.0	S (DRO) (O Qualifier U	0.00398 RL 50.0 (GC) RL 50.0 50.0	Unit mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared Prepared 07/12/22 08:34 07/12/22 08:34	Analyzed 07/13/22 09:13 Analyzed 07/12/22 18:34 07/12/22 18:34	Dil Fac Dil Fac 1
Total BTEX Method: 8015 NM - Diesel F Analyte Total TPH Method: 8015B NM - Diesel Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<0.00398 Range Organic Result 72.5 I Range Organic Result <50.0	S (DRO) (O Qualifier U	0.00398 RL 50.0 (GC) RL 50.0	Unit mg/Kg Unit mg/Kg	_ =	Prepared Prepared 07/12/22 08:34 07/12/22 08:34	Analyzed 07/13/22 09:13 Analyzed 07/12/22 18:34	Dil Fac Dil Fac 1
Method: 8015 NM - Diesel F Analyte Total TPH Method: 8015B NM - Diesel Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over	<0.00398 Range Organic Result 72.5 I Range Organic Result <50.0	S (DRO) (O Qualifier lics (DRO) Qualifier U	0.00398 RL 50.0 (GC) RL 50.0 50.0	Unit mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared Prepared 07/12/22 08:34 07/12/22 08:34	Analyzed 07/13/22 09:13 Analyzed 07/12/22 18:34 07/12/22 18:34	Dil Fac Dil Fac 1 1
Method: 8015 NM - Diesel F Analyte Total TPH Method: 8015B NM - Diesel Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<0.00398 Range Organic Result 72.5 I Range Organic Result <50.0 <50.0 72.5	S (DRO) (O Qualifier lics (DRO) Qualifier U	0.00398 RL 50.0 (GC) RL 50.0 50.0 50.0	Unit mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 07/12/22 08:34 07/12/22 08:34	Analyzed 07/13/22 09:13 Analyzed 07/12/22 18:34 07/12/22 18:34 07/12/22 18:34 Analyzed	Dil Fac Dil Fac 1

RL

4.99

Unit

mg/Kg

Prepared

Analyzed

07/16/22 00:32

Dil Fac

Analyte

Chloride

Method: 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

34.4

Surrogate Summary

 Client: Ensolum
 Job ID: 890-2523-2

 Project/Site: Corral Canyon 832 103H 163H
 SDG: 03E1558058

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

Surrogate Legend

1CO = 1-Chlorooctane OTPH = o-Terphenyl

QC Association Summary

Client: Ensolum Job ID: 890-2523-2 Project/Site: Corral Canyon 832 103H 163H SDG: 03E1558058

Prep Batch

Prep Batch

Prep Batch

Prep Batch: 29772

Lab Sample ID

890-2523-4

GC VOA

Lab Sample ID

Client Sample ID 890-2523-4

Analysis Batch: 29882

Prep Type

Prep Type

Total/NA

Total/NA

Matrix Solid

Matrix

Solid

Method 8021B

Method

5035

29772

Lab Sample ID

890-2523-4

Client Sample ID **SS04**

SS04

Client Sample ID

Prep Type Total/NA

Matrix Solid

Method Total BTEX

GC Semi VOA

Analysis Batch: 29501

Analysis Batch: 29990

Lab Sample ID 890-2523-4

Lab Sample ID

890-2523-4

Prep Batch: 29505

Client Sample ID **SS04**

SS04

Prep Type Total/NA

Matrix Solid

Matrix

Solid

Method 8015B NM

Method

8015NM Prep

Prep Batch

29505

Prep Batch

Analysis Batch: 29616

Lab Sample ID 890-2523-4

Client Sample ID **SS04**

Client Sample ID

Prep Type Total/NA

Prep Type

Total/NA

Matrix Solid

Method 8015 NM Prep Batch

HPLC/IC

Leach Batch: 29461

Lab Sample ID 890-2523-4

Client Sample ID **SS04**

Prep Type Soluble

Matrix Solid

Method DI Leach **Prep Batch**

Analysis Batch: 29656

Lab Sample ID 890-2523-4

Client Sample ID SS04

Prep Type Soluble

Matrix Solid

Method 300.0

Prep Batch 29461

Lab Chronicle

 Client: Ensolum
 Job ID: 890-2523-2

 Project/Site: Corral Canyon 832 103H 163H
 SDG: 03E1558058

Client Sample ID: 890-2523-4

Lab Sample ID: 890-2523-4

Matrix: Solid

Date Collected: 07/06/22 13:50

Date Received: 07/11/22 08:41

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	29772	07/14/22 16:34	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29882	07/17/22 17:20	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29990	07/18/22 15:39	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29616	07/13/22 09:13	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29505	07/12/22 08:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29501	07/12/22 18:34	SM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	29461	07/11/22 16:14	SMC	XEN MID
Soluble	Analysis	300.0		1			29656	07/16/22 00:32	CH	XEN MID

Page 8 of 14

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum Job ID: 890-2523-2 Project/Site: Corral Canyon 832 103H 163H

SDG: 03E1558058

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 o	•	ort, but the laboratory is r	not certified by the governing authority.	This list may include analytes for which	
Analysis Method	Prep Method	Matrix	Analyte		
8015 NM		Solid	Total TPH		
Total BTEX		Solid	Total BTEX		

Method Summary

Client: Ensolum

Project/Site: Corral Canyon 832 103H 163H

Job ID: 890-2523-2

SDG: 03E1558058

otocol	Laboratory
/846	XEN MID
LSOP	XEN MID
/846	XEN MID
/846	XEN MID

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 832 103H 163H

Job ID: 890-2523-2

SDG: 03E1558058

Lab Sample ID Client Sample ID Collected Matrix Received Depth 890-2523-4 SS04 Solid 07/06/22 13:50 07/11/22 08:41 0.5

eurofins

Xenco

Environment Testing

Project Number:

Project Name:

"DOTAL CANYON \$2 1031/163H Turn Around

Cook Country NA 1504551 FO

Cool: Cool None: NO

DI Water: H₂O MeOH: Me

Routine

Rush

Code

City, State ZIP:

Address: Company Name:

3122 NOH Easilyan

DC INDOOR

NW ANTO Parks Hwin

City, State ZIP:

tmomiss-per

Project Manager:

acoma

MORTINA

Bill to: (if different)

Company Name:

Chain of Custody

Midland, TX (432) 704-5440, San Ant EL Paso, TX (915) 585-3443, Lt Hobbs, NM (575) 392-7550, C Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300

UEST Preservative Codes	ANALYSIS REQUEST
Deliverables: EDD	4 @erwolum.com
Reporting: Level III Level III PST/UST TRRP Level IV	Carlyadd My 88200
State of Project:	3104 € Greene St.
Program: UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐	XTO Evergy
Work Order Comments	Carrett aug
www.xenco.com Page 1 of 1	
	75) 392-7550, Carlsbad, NM (575) 988-3199
	15) 585-3443, Lubbock, TX (806) 794-1296
Work Order No:	2) 704-5440, San Antonio, TX (210) 509-3334

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			65 D8 412	the las	tuf-	marda &		
Date/Time	Received by: (Signature)	Relinquished by: (Signature)	me	Date/Time	e)	Received by: (Signature)		Relinquished by: (Signature
	ons oil gotilated.	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 iterms 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 change 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.	s affiliates and su by the client if su o, but not analyz	Eurofins Xenco, it xpenses incurred to Eurofins Xenc	er from client company to nsibility for any losses or e for each sample submitte	s constitutes a valid purchase or es and shall not assume any respo each project and a charge of \$5	nd relinquishment of sample whee only for the cost of sample of \$85.00 will be applied to	Notice: Signature of this document a of service. Eurofins Xenco will be lial of Eurofins Xenco. A minimum charge
7471	U Hg: 1631/245.1/7470/7471	o Cu Pb Mn Mo Ni	Be Cd Cr	A Sb As Ba	PLP 6010 : 8RCR.		1etal(s) to be analy	Circle Method(s) and Metal(s) to be analyzed
V Zn	la Mn Mo Ni K Se Ag SiO, Na Sr Tl Sn U V Zn	Cr Co Cu Fe Pb N	Be B Cd Ca	Sb As Ba	BRCRA 13PPM Texas 11 Al Sb As Ba Be	8RCRA 13PF	200.8 / 6020:	Total 200 7 / 6010
OUSTO CAR GMD.	2017							
APLNPOLDO	60:0							
AFE # DO:201.01	AFE							
1589651051	CCH							
15580SE	03E							
na 65201 1252570	naver							
2200359621.	happi		A A	4	4	W 1350	<	SOSS
BUTSINS.	Dagg 34					1. 1310		HOSS
103H1163H	8-52					1215		SCOS
JOHNO IK	Contra		-		0.5, 0	7/6/22 1146	2	SS02
Sample Comments	San		tph c	Ont of	Depth Grab/	Date Time Sampled Sampled	n Matrix	Sample Identification
NaOH+Ascorbic Acid: SAPC	NaOH+As		_	_	2.0	Corrected Temperature:		Total Containers:
Zn Acetate+NaOH: Zn		690-2523 Chain of Custody			4.5	Temperature Reading:	Yes No (N/A	Sample Custody Seals:
NaSO 3			-	ça.	50,2	Correction Factor:	Yes No MA	Cooler Custody Seals:
NABIS	NaHSO 4: NABIS		\rightarrow	W	700-NOT	Thermometer ID:	Ves No	Samples-Received Intact:
0	H ₃ PO ₄ : HP		_		Pes No	Yes No Wet Ice:	Temp Blank:	SAMPLE RECEIPT
NaOH: Na	H ₂ SO ₄ : H ₂		_	od	the lab, if received by 4:30pm	the lab, if rec	T	PO#:
HNO 3: HN	HCL: HC		_	_	TAT starts the day received by		17 Cheli	
MeOH: Me	Cool: Cool		O	218	SE CR	M Due Date:	Eddin County NM	Project Location:

Login Sample Receipt Checklist

 Client: Ensolum
 Job Number: 890-2523-2

 SDG Number: 03E1558058

Login Number: 2523 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	N/A	

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<6mm (1/4").

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-2523-2

SDG Number: 03E1558058

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: 890-2317-2

Laboratory Sample Delivery Group: 03E1558058 Client Project/Site: Corral Canyon 8-32 163H

For:

Ensolum 705 W. Wadley Suite 210 Midland, Texas 79701

Attn: Tacoma Morrissey

MRAMER

Authorized for release by: 5/24/2022 11:21:36 AM

Jessica Kramer, Project Manager (432)704-5440

Jessica.Kramer@et.eurofinsus.com

.....Links

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Released to Imaging: 8/10/2022 4:10:51 PM

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

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

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Client: Ensolum

Project/Site: Corral Canyon 8-32 163H

Laboratory Job ID: 890-2317-2

SDG: 03E1558058

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Definitions/Glossary

Client: Ensolum Job ID: 890-2317-2 Project/Site: Corral Canyon 8-32 163H

SDG: 03E1558058

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description**

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) Minimum Detectable Concentration (Radiochemistry) MDC

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)

Reporting Limit or Requested Limit (Radiochemistry) RL

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

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

TNTC Too Numerous To Count

Case Narrative

Client: Ensolum

Project/Site: Corral Canyon 8-32 163H

Job ID: 890-2317-2 SDG: 03E1558058

=1336036

Job ID: 890-2317-2

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-2317-2

Receipt

The samples were received on 5/18/2022 12:39 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 5.4°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

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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Client: Ensolum Job ID: 890-2317-2 Project/Site: Corral Canyon 8-32 163H SDG: 03E1558058

Client Sample ID: SS01 Lab Sample ID: 890-2317-13 Matrix: Solid

Date Collected: 05/17/22 12:10 Date Received: 05/18/22 12:39

Sample Depth: 6

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00201	U	0.00201	mg/Kg		05/20/22 13:53	05/20/22 22:49	
Toluene	< 0.00201	U	0.00201	mg/Kg		05/20/22 13:53	05/20/22 22:49	
Ethylbenzene	< 0.00201	U	0.00201	mg/Kg		05/20/22 13:53	05/20/22 22:49	
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		05/20/22 13:53	05/20/22 22:49	
o-Xylene	< 0.00201	U	0.00201	mg/Kg		05/20/22 13:53	05/20/22 22:49	
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		05/20/22 13:53	05/20/22 22:49	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil F
4-Bromofluorobenzene (Surr)	94		70 - 130			05/20/22 13:53	05/20/22 22:49	
1,4-Difluorobenzene (Surr)	104		70 - 130			05/20/22 13:53	05/20/22 22:49	
Method: Total BTEX - Total	BTEX Calcula	tion						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil F
Total BTEX	<0.00402	U	0.00402	mg/Kg			05/23/22 11:27	
Method: 8015 NM - Diesel R	ange Organic	s (DRO) (G	SC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil F
Total TPH	14400		249	mg/Kg			05/23/22 09:09	
Method: 8015B NM - Diesel	Range Organ	ics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil F
Gasoline Range Organics GRO)-C6-C10	<249	U	249	mg/Kg		05/20/22 10:11	05/21/22 10:46	
Diesel Range Organics (Over C10-C28)	5810		249	mg/Kg		05/20/22 10:11	05/21/22 10:46	
Oll Range Organics (Over C28-C36)	8620		249	mg/Kg		05/20/22 10:11	05/21/22 10:46	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil F
1-Chlorooctane	91		70 - 130			05/20/22 10:11	05/21/22 10:46	
p-Terphenyl	83		70 - 130			05/20/22 10:11	05/21/22 10:46	
Method: 300.0 - Anions, Ion	Chromatogra	ıphy - Solu	ble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil F
Chloride	8250		49.5	mg/Kg			05/23/22 20:39	

Surrogate Summary

Client: Ensolum Job ID: 890-2317-2
Project/Site: Corral Canyon 8-32 163H SDG: 03E1558058

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

			Percent S	Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-15012-A-3-A MS	Matrix Spike	122	99	
880-15012-A-3-B MSD	Matrix Spike Duplicate	107	99	
890-2317-13	SS01	94	104	
LCS 880-25982/1-A	Lab Control Sample	91	108	
LCSD 880-25982/2-A	Lab Control Sample Dup	100	101	
MB 880-25982/5-A	Method Blank	97	100	
Surrogate Legend				
BFB = 4-Bromofluorobe	enzene (Surr)			
DFBZ = 1,4-Difluorobe	nzene (Surr)			

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

Matrix: Solid Prep Type: Total/NA

			Pe	rcent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-2317-13	SS01	91	83	
Surrogate Legend				

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: Ensolum Job ID: 890-2317-2 Project/Site: Corral Canyon 8-32 163H SDG: 03E1558058

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-25982/5-A

Matrix: Solid

Analysis Batch: 25944

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 25982

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/20/22 13:53	05/20/22 16:54	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/20/22 13:53	05/20/22 16:54	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/20/22 13:53	05/20/22 16:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		05/20/22 13:53	05/20/22 16:54	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/20/22 13:53	05/20/22 16:54	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		05/20/22 13:53	05/20/22 16:54	1

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97	70 - 130	05/20/22 13:53	05/20/22 16:54	1
1,4-Difluorobenzene (Surr)	100	70 - 130	05/20/22 13:53	05/20/22 16:54	1

Lab Sample ID: LCS 880-25982/1-A

Matrix: Solid

Analysis Batch: 25944

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 25982

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1099		mg/Kg		110	70 - 130	
Toluene	0.100	0.09641		mg/Kg		96	70 - 130	
Ethylbenzene	0.100	0.07927		mg/Kg		79	70 - 130	
m-Xylene & p-Xylene	0.200	0.1594		mg/Kg		80	70 - 130	
o-Xylene	0.100	0.08088		mg/Kg		81	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	91	70 - 130
1,4-Difluorobenzene (Surr)	108	70 - 130

Lab Sample ID: LCSD 880-25982/2-A

Matrix: Solid

Analysis Batch: 25944

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

Prep Batch: 25982

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1037		mg/Kg		104	70 - 130	6	35
Toluene	0.100	0.1027		mg/Kg		103	70 - 130	6	35
Ethylbenzene	0.100	0.09132		mg/Kg		91	70 - 130	14	35
m-Xylene & p-Xylene	0.200	0.1911		mg/Kg		96	70 - 130	18	35
o-Xylene	0.100	0.09568		mg/Kg		96	70 - 130	17	35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1.4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-15012-A-3-A MS

Released to Imaging: 8/10/2022 4:10:51 PM

Matrix: Solid

Analysis Batch: 25944

Client Sample ID: Matrix Spike

Prep Type: Total/NA Prep Batch: 25982

MS MS %Rec Sample Sample Spike Result Qualifier Added Result Qualifier Unit %Rec Limits

Analyte Benzene <0.00200 U 0.0998 0.08554 mg/Kg 86 70 - 130 Toluene <0.00200 U 0.0998 0.09216 mg/Kg 92 70 - 130

Project/Site: Corral Canyon 8-32 163H

Client: Ensolum

Job ID: 890-2317-2

SDG: 03E1558058

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

Lab Sample ID: 880-15012-A-3-A MS Client Sample ID: Matrix Spike Prep Type: Total/NA

Matrix: Solid

o-Xylene

Analysis Batch: 25944									Prep E	Satch: 25982
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00200	U	0.0998	0.08394		mg/Kg		84	70 - 130	
m-Xvlene & p-Xvlene	< 0.00401	U	0.200	0.1846		ma/Ka		93	70 - 130	

0.09338

0.0998

MS MS

<0.00200 U

Surrogate	%Recovery Qualific	er Limits
4-Bromofluorobenzene (Surr)	122	70 - 130
1 4-Difluorobenzene (Surr)	99	70 - 130

Lab Sample ID: 880-15012-A-3-B MSD

Matrix: Solid

Analysis Batch: 25944

Client Sample ID: Matrix Spike Duplicate

70 - 130

93

mg/Kg

Prep Type: Total/NA

Prep Batch: 25982

Sample Sample Spike MSD MSD %Rec **RPD** Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD Limit mg/Kg Benzene <0.00200 U 0.0996 85 70 - 130 1 35 0.08432 Toluene <0.00200 U 0.0996 0.08681 87 70 - 130 35 mg/Kg 6 76 Ethylbenzene <0.00200 U 0.0996 0.07596 mg/Kg 70 - 130 10 35 m-Xylene & p-Xylene <0.00401 U 0.199 0.1595 mg/Kg 80 70 - 130 15 35 <0.00200 U 0.0996 0.08062 81 o-Xylene mg/Kg 70 - 13015

MSD MSD

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

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-25905/1-A **Client Sample ID: Method Blank Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 26074

MB MB

Analyte	Result Qua	lifier RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00 U	5.00	mg/Kg			05/23/22 17:26	1

Lab Sample ID: LCS 880-25905/2-A **Client Sample ID: Lab Control Sample Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 26074

	Spike	LCS LCS		%Rec
Analyte	Added F	esult Qualifier Unit	D %Rec	Limits
Chloride		237.3 mg/Kg	95	90 - 110

Lab Sample ID: LCSD 880-25905/3-A Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 26074

7 maryolo Batolii 20014									
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	237.4		mg/Kg	_	95	90 - 110	0	20

QC Sample Results

Client: Ensolum Job ID: 890-2317-2 Project/Site: Corral Canyon 8-32 163H SDG: 03E1558058

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-2317-A-11-C MS Client Sample ID: Matrix Spike **Prep Type: Soluble Matrix: Solid**

Analysis Batch: 26074

•	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	151		249	390.0		mg/Kg		96	90 - 110	

Lab Sample ID: 890-2317-A-11-D MSD **Client Sample ID: Matrix Spike Duplicate Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 26074

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	151		249	394.6		mg/Kg		98	90 - 110	1	20

QC Association Summary

Client: Ensolum

Project/Site: Corral Canyon 8-32 163H

Job ID: 890-2317-2 SDG: 03E1558058

GC VOA

Analysis Batch: 25944

Lab Sample ID 890-2317-13	Client Sample ID SS01	Prep Type Total/NA	Matrix Solid	Method 8021B	Prep Batch 25982
MB 880-25982/5-A	Method Blank	Total/NA	Solid	8021B	25982
LCS 880-25982/1-A	Lab Control Sample	Total/NA	Solid	8021B	25982
LCSD 880-25982/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	25982
880-15012-A-3-A MS	Matrix Spike	Total/NA	Solid	8021B	25982
880-15012-A-3-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	25982

Prep Batch: 25982

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2317-13	SS01	Total/NA	Solid	5035	
MB 880-25982/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-25982/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-25982/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-15012-A-3-A MS	Matrix Spike	Total/NA	Solid	5035	
880-15012-A-3-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 26093

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2317-13	SS01	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 25868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2317-13	SS01	Total/NA	Solid	8015NM Prep	

Analysis Batch: 25938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2317-13	SS01	Total/NA	Solid	8015B NM	25868

Analysis Batch: 26032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2317-13	SS01	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 25905

Lab Sample ID 890-2317-13	Client Sample ID SS01	Prep Type Soluble	Matrix Solid	Method DI Leach	Prep Batch
MB 880-25905/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-25905/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-25905/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2317-A-11-C MS	Matrix Spike	Soluble	Solid	DI Leach	
890-2317-A-11-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 26074

Released to Imaging: 8/10/2022 4:10:51 PM

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2317-13	SS01	Soluble	Solid	300.0	25905
MB 880-25905/1-A	Method Blank	Soluble	Solid	300.0	25905
LCS 880-25905/2-A	Lab Control Sample	Soluble	Solid	300.0	25905
LCSD 880-25905/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	25905
890-2317-A-11-C MS	Matrix Spike	Soluble	Solid	300.0	25905

Eurofins Carlsbad

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QC Association Summary

Job ID: 890-2317-2 Client: Ensolum Project/Site: Corral Canyon 8-32 163H SDG: 03E1558058

HPLC/IC (Continued)

Analysis Batch: 26074 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2317-A-11-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	25905

Lab Chronicle

Client: Ensolum Job ID: 890-2317-2 Project/Site: Corral Canyon 8-32 163H SDG: 03E1558058

Client Sample ID: SS01 Lab Sample ID: 890-2317-13

Date Collected: 05/17/22 12:10 **Matrix: Solid** Date Received: 05/18/22 12:39

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	25982	05/20/22 13:53	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	25944	05/20/22 22:49	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26093	05/23/22 11:27	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26032	05/23/22 09:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	25868	05/20/22 10:11	DM	XEN MID
Total/NA	Analysis	8015B NM		5			25938	05/21/22 10:46	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	25905	05/19/22 12:41	CH	XEN MID
Soluble	Analysis	300.0		10			26074	05/23/22 20:39	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum Job ID: 890-2317-2 Project/Site: Corral Canyon 8-32 163H SDG: 03E1558058

Laboratory: Eurofins Midland

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

Authority	P	rogram	Identification Number	Expiration Date
Texas	N	IELAP	T104704400-21-22	06-30-22
The following analytes the agency does not o		port, but the laboratory is r	not certified by the governing authority.	This list may include analytes for which
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	Total TPH	
Total BTEX		Solid	Total BTEX	

Method Summary

Client: Ensolum

Project/Site: Corral Canyon 8-32 163H

Job ID: 890-2317-2

SDG: 03E1558058

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 8-32 163H

Job ID: 890-2317-2

SDG: 03E1558058

Lab Sample ID Client Sample ID Collected Matrix Received Depth 890-2317-13 SS01 Solid 05/17/22 12:10 05/18/22 12:39 6

eurofins

Xenco

Environment Testing

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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) 332-7550, Carlsbad, NM (575) 988-3199

City, State ZIP:

3122 National Parks Hwy Carlsbad, NM 88220

City, State ZIP:

3104 E. Green Street Carlsbad, NM 88220

Reporting: Level II 🔲 Level III 🔲 PST/UST 🗎 TRRP 📗

Level IV

State of Project:

Work Order Comments

Program: UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐

Project Manager: Company Name:

Ensolum

Tacoma Morrissey

Bill to: (if different)

Adrian Baker XTO Energy, Inc.

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Work Order No:	
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Phone: 33	337-257-8307		Email:	Email: tmorrissey@ensolum.com	nsolum.	com						Deliverables: EDD [ADaPT 🗆] Other:	ń
Project Name:	Corral Canyon 8-32 163H	n 8-32 163H	Turn.	Turn Around					۱	ANALYSIS REQUEST	REQU	EST			Preserv	Preservative Codes
Project Number:	03E1558058	8058	✓ Routine	Rush	Code									N _O	None: NO	DI Water: H-O
Project Location:	32.14430, -104.00924	104.00924	Due Date:			_								?	2	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
Sampler's Name:	Eric Carroll	arroll	TAT starts the	TAT starts the day received by										<u> </u>	HOI - HO	NO . NO
PO#:			the lab, if rece	the lab, if received by 4:30pm	8									T :	5 7	NaOH: Na
SAMPLE RECEIPT	Temp Blank:	K: Yes No	Wet Ice:	Yes No	eter									L 12	12004.112	C .
Samples Received Intact		Therm	Her D	- 1		0.0								Ž 3	Nauso Man	5
Cooler Custody Seals:	Yes No	≶	Factor	- Transference Co. L.		A: 30								Z Z	NarioO ₄ . Naso.	⊃ ĕ
Sample Custody Seals:	N _O	N/A Temperati	Temperature Reading:			(EP								7	Zn Acetate+NaOH: Zn	P. Z.
Total Containers:		Corrected	Corrected Temperature:											Z [OH+Ascorb	NaOH+Ascorbic Acid: SAPC
8			Time	Grab/	# 9									Τ		
Sample Identification		Matrix Sampled	S	Depth Comp	Cont	TPH	ВТЕХ		,						Sample	Sample Comments
SS01	S	5/17/2022	2 12:10	0.5 G		×	+-1							Cost)st Center:	Cost Center: 1589651001
		-				-			\perp	1			-) 2017 045	DD 2017 04576 CAD CMD 01
						_								inc	ident IDs:n	ncident IDs:nAPP2134755985
						\vdash			-						& NAPP	& NAPP2201252570
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Total 200.7 / 6010	200.8 / 6020:		8RCRA 13PP	13PPM Texas 11	Al Sb As Ba	As Ba	Be	B Cd Ca	Cr C	Cr Co Cu Fe Pb Mg N	Pb N	Mo Ni K	Se Ag	Ag SiO, Na Sr	Sr TI Sn	TI Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed	Metal(s) to be a	ınalyzed	TCLP / SP	TCLP / SPLP 6010: 8RCRA	CRA SI	b As B	a Be (od Cr	Co Cu	Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se	Mo N	Ag TI U		1631 / 24	Hg: 1631 / 245.1 / 7470	/7471
Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiat	ument and relinquish vill be liable only for t um charge of \$85.00 v	ment of samples co he cost of samples vill be applied to ea	onstitutes a valid pu and shall not assun ch project and a ch	ırchase order fron ne any responsibi ıarge of \$5 for eac	i client com lity for any I h sample su	pany to Ei losses or e lbmitted to	urofins Xe expenses o Eurofins	nco, its af incurred b Xenco, b	filiates ar by the clie ut not ana	id subcontr nt if such lo ilyzed. Thes	actors. It sses are e terms v	assigns standard terms and conditions due to circumstances beyond the control libe enforced unless previously negotiated.	and condi ond the c	tions ontrol		
Relinquished by: (Signature)	Signature)	Recei	Received by: (Signature)	ture)		Date/Time	ē	Reli	nquish	Relinquished by: (Signature)	ignatur		d by: (S	Received by: (Signature)		Date/Time
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Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

 Client: Ensolum
 Job Number: 890-2317-2

 SDG Number: 03E1558058

Login Number: 2317 List Source: Eurofins Carlsbad

List Number: 1

Creator: Olivas, Nathaniel

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

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<6mm (1/4").

Login Sample Receipt Checklist

 Client: Ensolum
 Job Number: 890-2317-2

 SDG Number: 03E1558058

Login Number: 2317
List Source: Eurofins Midland
List Number: 2
List Creation: 05/20/22 09:00 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	False	

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<6mm (1/4").



APPENDIX D

NMOCD Notifications

From: Green, Garrett J

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

 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.

3104 E. Greene Street | Carlsbad, NM 88220 | M: (575)200-0729

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 131876

CONDITIONS

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	131876
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	8/10/2022