Location:	Corral Canyon EXP Battery	
Spill Date:	10/15/2023	

Area 1		
Approximate Area =	3799.00	sq. ft.
Average Saturation (or depth) of spill =	1.00	inches
Average Porosity Factor =	0.03	
VOLUME OF LEAK		
Total Crude Oil =	0.00	bbls
Total Produced Water =	11.69	bbls

TOTAL VOLUME OF LEAK		
Total Crude Oil =	**0.00**	**bbls**
Total Produced Water =	**11.69**	**bbls**
TOTAL VOLUME RECOVERED		
Total Crude Oil =	**0.00**	**bbls**
Total Produced Water =	**10.00**	**bbls**

ENSOLUM

April 12, 2024

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

Re: Closure Request
Corral Canyon Expansion Battery
Incident Number NAPP2330049344
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 excavation and soil sampling activities completed to address impacted soil at the Corral Canyon Expansion Battery (Site). Soil was impacted by a release of produced water onto the surface of the well pad. Based on 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 Number NAPP2330049344.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit P, Section 5, Township 25 South, Range 29 East, in Eddy County, New Mexico (32.15336°, -104.00022°) and is associated with oil and gas exploration and production operations on federal land managed by the Bureau of Land Management (BLM).

On October 15, 2023, internal corrosion of a water line resulted in the release of approximately 12 barrels (bbls) of produced water. A vacuum truck was immediately dispatched to the Site to recover free-standing fluids; approximately 10 bbls of fluid were recovered. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) and submitted a Release Notification Form C-141 (Form C-141) on October 27, 2023. The release was assigned Incident Number NAPP2330049344.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

Depth to groundwater at the Site is estimated to be between 50 feet and 100 feet below ground surface (bgs) based on the nearest groundwater well data. The nearest groundwater data is a New Mexico Office of the State Engineer (NMOSE) permitted monitoring well C-04324 POD8, located approximately 461 feet east of the Site. The depth to groundwater in the well was measured at 65 feet bgs with a total depth of 70 feet bgs. This measurement was taken on January 5, 2022, followed by the plugging and abandoning of the referenced well. All well data 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 a dry wash approximately 1,975 feet southeast 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 I Closure Criteria (Closure Criteria) apply:

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

SITE ASSESSMENT AND SAMPLING ACTIVITIES

On January 2, 2024, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. Nine delineation soil samples (SS01 through SS09) were collected within and around the release extent at a depth of 0.5 feet bgs to assess the lateral extent of the release. The delineation soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using 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 delineation soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported at or below 6 degrees Celsius (°C) under strict chain-of-custody procedures to Eurofins Laboratories (Eurofins) in Carlsbad, New Mexico, for analysis of the following contaminants of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

Laboratory analytical results for delineation soil samples SS01, SS02, SS03, and SS06, collected within the release extent indicated chloride concentrations were in compliance with the Closure Criteria, but exceeded the reclamation requirement. Laboratory analytical results for delineation soil samples SS04, SS05, and SS07 through SS09, collected outside the release extent, indicated all COC concentrations were compliant with the strictest Table I Closure Criteria, and confirmed the lateral extent of the release. Laboratory analytical results are summarized in Table 1. Based on the laboratory analytical results of SS01 through SS03, and SS06 exceeding the reclamation requirement and indicating the presence of waste-containing soil, additional remediation activities were warranted.

DELINEATION AND EXCAVATION SOIL SAMPLING ACTIVITIES

From January 24 through January 26, 2024, Ensolum personnel returned to the Site to oversee delineation and excavation activities. Four potholes, PH01 through PH04, were advanced via hydrovac to depths ranging from 1-foot to 4 feet bgs in the vicinity of delineation soil samples SS01 through SS03

and SS06, respectively. Soil samples from the delineation potholes were collected at depths ranging from 1-foot to 4 feet bgs. The soil samples from the potholes were collected, field screening, handled, and analyzed following the same procedures as described above. Field screening results and observations for the potholes were logged on lithologic/soil sampling logs, which are included in Appendix C. The potholes and soil sample locations are depicted on Figure 2.

After the delineation activities were completed, waste-containing soil was excavated from the release area as indicated by visible staining and laboratory analytical results from the delineation soil samples. Excavation activities were performed using heavy equipment. To direct excavation activities, soil was screened for VOCs and chloride. The excavation was completed to depths ranging from 1-foot to 4 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 and sidewalls of the excavation. 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 FS15 were collected from the floor of the excavation at depths ranging from 1-foot to 4 feet bgs. Composite soil samples SW01 through SW05 were collected from the sidewall at depths ranging from ground surface to 4 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.

Laboratory analytical results indicated TPH concentrations in confirmation floor soil sample FS01 exceeded the reclamation requirement. As such, on February 20, 2024, Ensolum personnel returned to the Site to oversee additional excavation activities in the vicinity of FS01. to a depth of 2 feet bgs via backhoe and transport vehicle in the vicinity of FS01.

The excavation area measured approximately 2,968 square feet. A total of approximately 165 cubic yards of impacted soil were 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

Laboratory analytical results for excavation floor soil samples FS01A through FS15 and sidewall soil samples SW01 through SW05 indicated all COC concentrations were compliant with the Closure Criteria and the applicable reclamation requirement in the top 4 feet. The laboratory analytical results are summarized on Table 1 and the complete laboratory analytical reports are included in Appendix D.

CLOSURE REQUEST

Site assessment and excavation activities were conducted at the Site to address the October 15, 2023 release of produced water. Laboratory analytical results for the delineation soil samples, collected from the release extent, indicated all COC concentrations were compliant with the Site Closure Criteria as such, no remediation was required. Laboratory analytical results for the delineation soil samples indicated chloride concentrations exceeded the reclamation requirement applied in the top 4 feet. XTO removed all waste-containing soil that was accessible on pad. Laboratory analytical results for final excavation soil samples indicated all COC concentrations were compliant with the reclamation requirement.

The excavation was completed to the maximum extent possible, however, due to the proximity of production equipment surrounding the northern area of the release, excavation near the point of release could not be completed. Based on laboratory analytical results of the delineation soil samples a

maximum of 100 cubic yards of waste containing soil are left in place, assuming a maximum extent of 4 feet bgs, immediately adjacent to and underneath the active production equipment which will be addressed during pad abandonment or major facility reconstruction.

XTO will backfill the excavation with material purchased locally and recontour the Site to match pre-existing site conditions. XTO believes remedial actions completed at the Site to address the release have been protective of human health, the environment, and groundwater. As such, XTO respectfully requests closure for Incident Number NAPP2330049344.

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

Sincerely,
Ensolum, LLC

Tracy Hillard
Staff Engineer

Daniel R. Moir, PG (licensed in WY & TX)
Senior Managing Geologist

cc: Amy Ruth, XTO
Bureau of Land Management

Appendices:

Figure 1	Site Receptor Map
Figure 2	Delineation Soil Sample Locations
Figure 3	Excavation Soil Sample Locations
Table 1	Soil Sample Analytical Results
Appendix A	Referenced Well Records
Appendix B	Photographic Log
Appendix C	Lithologic / Soil Sampling Logs
Appendix D	Laboratory Analytical Reports & Chain-of-Custody Documentation

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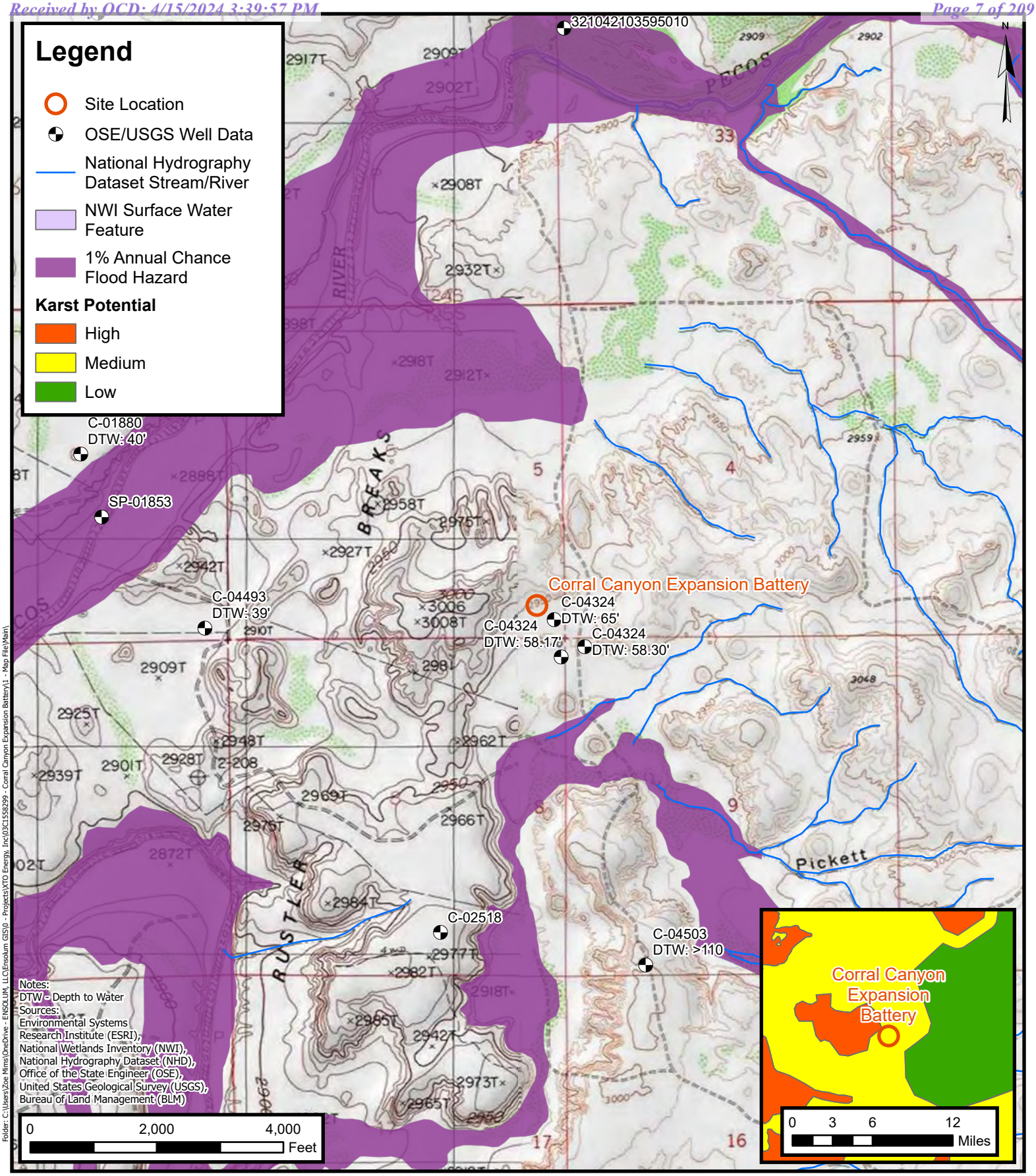
FIGURES



Folder: C:\Users\Zoe Mims\OneDrive - ENSOLUM, LLC\Ensolum GIS\0 - Projects\XTO Energy, Inc\03C1558299 - Corral Canyon Expansion Battery\1 - Map File\Main\

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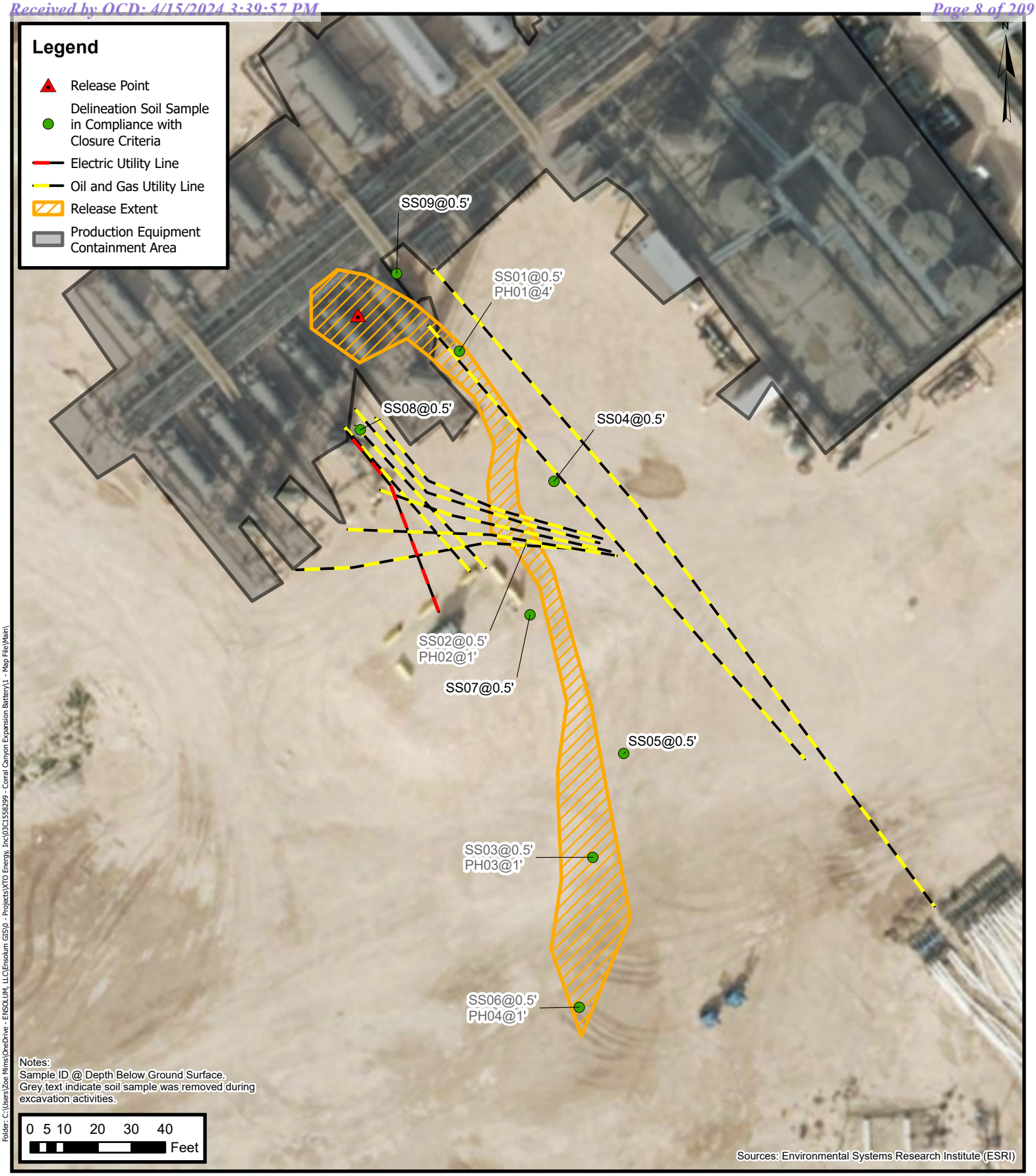
Environmental, Engineering and Hydrogeologic Consultants

Site Receptor Map

XTO Energy, Inc
Corral Canyon Expansion Battery
Incident Number: nAPP2330049344
Unit P, Sec 5, T25S, R29E
Eddy County, New Mexico

FIGURE 1



Folder: C:\Users\Zoe Mims\OneDrive - ENSOLUM, LLC\Ensolum GIS\0 - Projects\XTO Energy, Inc\03C1558299 - Corral Canyon Expansion Battery\1 - Map File\Main\

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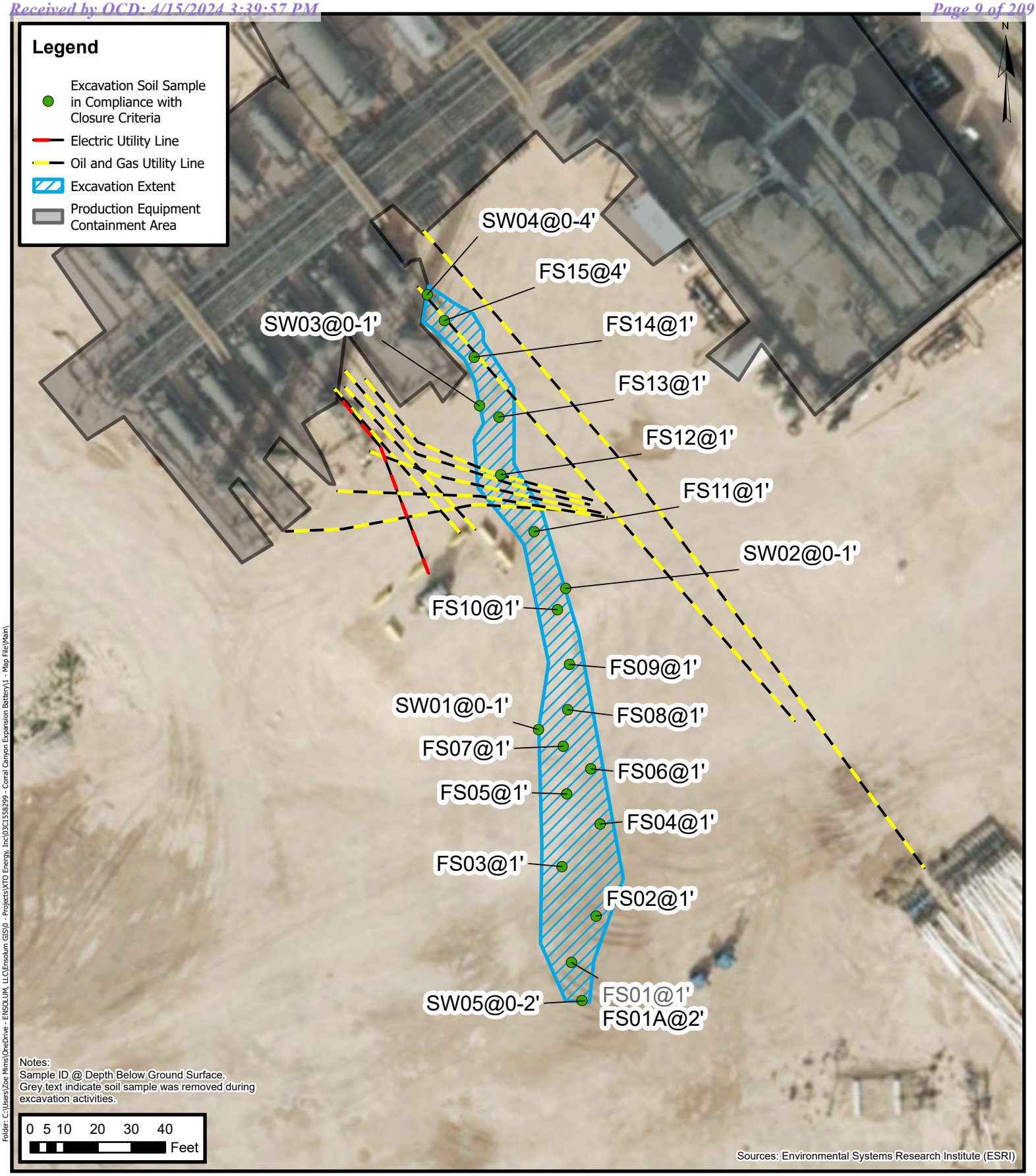
Delineation Soil Sample Locations

XTO Energy, Inc
Corral Canyon Expansion Battery
Incident Number: nAPP2330049344
Unit P, Sec 5, T25S, R29E
Eddy County, New Mexico

FIGURE 2



Folder: C:\Users\Zoe Mims\OneDrive - ENSOLUM, LLC\Ensolum GIS\0 - Projects\XTO Energy, Inc\03C1558299 - Corral Canyon Expansion Battery\1 - Map File\Main\

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Environmental, Engineering and Hydrogeologic Consultants

Excavation Soil Sample Locations

XTO Energy, Inc
Corral Canyon Expansion Battery
Incident Number: nAPP2330049344
Unit P, Sec 5, T25S, R29E
Eddy County, New Mexico

FIGURE 3

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TABLES

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TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Corral Canyon Expansion Battery
XTO Energy, Inc
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
Delineation Soil Samples										
~~SS01~~	~~01/02/2024~~	~~0.5~~	~~<0.00201~~	~~<0.00402~~	~~<50.1~~	~~89.8~~	~~<50.1~~	~~89.8~~	~~89.8~~	~~7,410~~
~~PH01~~	~~01/25/2024~~	~~4~~	~~<0.00200~~	~~<0.00401~~	~~<50.1~~	~~<50.1~~	~~<50.1~~	~~<50.1~~	~~<50.1~~	~~3,860~~
~~SS02~~	~~01/02/2024~~	~~0.5~~	~~<0.00200~~	~~<0.00399~~	~~<50.4~~	~~52.8~~	~~<50.4~~	~~52.8~~	~~52.8~~	~~2,250~~
~~PH02~~	~~01/24/2024~~	~~1~~	~~<0.00199~~	~~<0.00398~~	~~<50.4~~	~~<50.4~~	~~<50.4~~	~~<50.4~~	~~<50.4~~	~~204~~
~~SS03~~	~~01/02/2024~~	~~0.5~~	~~<0.00198~~	~~<0.00397~~	~~<50.5~~	~~51.8~~	~~<50.5~~	~~51.8~~	~~51.8~~	~~3,120~~
~~PH03~~	~~01/24/2024~~	~~1~~	~~<0.00199~~	~~<0.00398~~	~~<50.0~~	~~<50.0~~	~~<50.0~~	~~<50.0~~	~~<50.0~~	~~440~~
SS04	01/02/2024	0.5	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	<49.7	248
SS05	01/02/2024	0.5	<0.00198	<0.00396	<49.7	<49.7	<49.7	<49.7	<49.7	296
~~SS06~~	~~01/02/2024~~	~~0.5~~	~~<0.00200~~	~~<0.00400~~	~~<50.1~~	~~540~~	~~<50.1~~	~~540~~	~~540~~	~~318~~
~~PH04~~	~~01/24/2024~~	~~1~~	~~<0.00200~~	~~<0.00399~~	~~<50.0~~	~~<50.0~~	~~<50.0~~	~~<50.0~~	~~<50.0~~	~~122~~
SS07	01/02/2024	0.5	<0.00199	<0.00398	<50.5	67.1	<50.5	67.1	67.1	219
SS08	01/02/2024	0.5	<0.00200	<0.00401	<49.7	55.9	<49.7	55.9	55.9	62.4
SS09	01/02/2024	0.5	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	<49.9	63.5
Confirmation Soil Samples										
~~FS01~~	~~01/25/2024~~	~~1~~	~~<0.00199~~	~~<0.00398~~	~~<49.8~~	~~104~~	~~<49.8~~	~~104~~	~~104~~	~~198~~
FS01A	02/20/2024	2	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	300
FS02	01/25/2024	1	<0.00199	<0.00398	<50.1	<50.1	<50.1	<50.1	<50.1	209
FS03	01/25/2024	1	<0.00200	<0.00399	<49.7	<49.7	<49.7	<49.7	<49.7	203
FS04	01/25/2024	1	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	218
FS05	01/25/2024	1	<0.00200	<0.00401	<49.8	<49.8	<49.8	<49.8	<49.8	197
FS06	01/25/2024	1	<0.00199	<0.00398	<49.6	<49.6	<49.6	<49.6	<49.6	191
FS07	01/25/2024	1	<0.00199	<0.00398	<50.2	<50.2	<50.2	<50.2	<50.2	181
FS08	01/25/2024	1	<0.00200	<0.00399	<50.5	<50.5	<50.5	<50.5	<50.5	194
FS09	01/25/2024	1	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	185
FS10	01/26/2024	1	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	175
FS11	01/26/2024	1	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	<49.7	167
FS12	01/26/2024	1	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	183
FS13	01/26/2024	1	<0.00199	<0.00398	<50.3	<50.3	<50.3	<50.3	<50.3	185
FS14	01/26/2024	1	<0.00198	<0.00396	<50.2	<50.2	<50.2	<50.2	<50.2	180
FS15	01/26/2024	4	<0.00201	<0.00402	<50.5	<50.5	<50.5	<50.5	<50.5	267
SW01	01/25/2024	0-1	<0.00200	<0.00401	<49.7	<49.7	<49.7	<49.7	<49.7	176

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TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Corral Canyon Expansion Battery
XTO Energy, Inc
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**1,000**	**2,500**	**10,000**
SW02	01/25/2024	0-1	<0.00199	<0.00398	<50.4	<50.4	<50.4	<50.4	<50.4	214
SW03	01/26/2024	0-1	<0.00202	<0.00404	<50.4	<50.4	<50.4	<50.4	<50.4	194
SW04	01/26/2024	0-4	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	<50.0	322
SW05	02/20/2024	0-2	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	222

Notes:

bgs: below ground surface
mg/kg: milligrams per kilogram
NMOCD: New Mexico Oil Conservation Division
BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes
Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation requirement where applicable.
GRO: Gasoline Range Organics
DRO: Diesel Range Organics
ORO: Oil Range Organics
TPH: Total Petroleum Hydrocarbon
NMAC: New Mexico Administrative Code
~~Grey~~ text indicates soil sample removed during excavation activities

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APPENDIX A

Referenced Well Records

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
POD 8 (MW02)		C-4324

WELL OWNER NAME(S)	PHONE (OPTIONAL)
XTO Energy, Inc.	432-221-7331

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
522 W Mermond, Suite 704	Carlsbad	NM	88220

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	9	10.01	N
	LONGITUDE	103	59	54.38	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

South East Quarter of South East Quarter of Section 5, Township 25 South, Range 29 East, Eddy County, New Mexico

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
1664	Shawn Cain	Cascade Drilling

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
7/21/2019	7/21/2019	69	70	65

COMPLETED WELL IS: ☐ ARTESIAN ☐ DRY HOLE ☑ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): 60

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☐ ROTARY ☐ HAMMER ☐ CABLE TOOL ☑ OTHER – SPECIFY: Sonic

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	70	6					
0	49		2" PVC Blank	Flush Thread SCH 40	2.067	.154	
49	69		2" PVC Screen	Flush Thread SCH 40	2.067	.154	.020

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
0	2	6	Concrete	.5	Poured
2	47	6	Bentonite Chips	8	Poured
47	70	6	12-20 Sand	4	Poured

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO. C-4324	POD NO. 8	TRN NO. 654446
LOCATION 25S.29E.5.444	WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES **(attach supplemental sheets to fully describe all units)**	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	14	14	(SP-SM) - brown-light brown silty SAND	Y ✓ N	
14	24	10	(CLCHE) - tan CALICHE	Y ✓ N	
24	49	25	(ML) - light brown-red SILT	Y ✓ N	
49	51	2	(CLCHE) - tan-light brown CALICHE	Y ✓ N	
51	60	9	(SP) - tan-light brown SAND	Y ✓ N	
60	70	10	(CH) - red-brown silty CLAY	✓ Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

WELL TEST — TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION:

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

6. SIGNATURE

BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.

Shawn C. Shawn Cain — 8-23-19

SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 04/30/2019)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 2 OF 2

PLUGGING RECORD

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

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: ~~C-4323~~ POD 8 (MW02)

Well owner: XTO Energy, Inc. C-4324 Phone No.: 432-221-7331

Mailing address: 522 W Mermod Suit 704

City: Carlsbad State: NM Zip code: 88220

II. WELL PLUGGING INFORMATION:

1) Name of well drilling company that plugged well: Jackie D. Atkins (Atkins Engineering Associates Inc.)

2) New Mexico Well Driller License No.: 1249 Expiration Date: 04/30/23

3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Shane Eldridge

4) Date well plugging began: 1/05/2022 Date well plugging concluded: 1/05/2022

5) GPS Well Location: Latitude: 32 deg, 9 min, 10.01 sec
Longitude: 103 deg, 59 min, 54.38 sec, WGS 84

6) Depth of well confirmed at initiation of plugging as: 70.95 ft below ground level (bgl), by the following manner: weighted tape

7) Static water level measured at initiation of plugging: 63.68 ft bgl

8) Date well plugging plan of operations was approved by the State Engineer: 2/26/2021

9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

OSE DII JAN 7 2022 PM1:39

Version: September 8, 2009
Page 1 of 2

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

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	0-70.9' Portland Type I/II Neat Cement	27 gallons	12.3 gallons	tremie	

MULTIPLY		BY		AND OBTAIN
cubic feet	x	7.4805	=	gallons
cubic yards	x	201.97	=	gallons

OSE DII JAN 7 2022 PM1:39

III. SIGNATURE:

I, Jackie D. Atkins, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Jack Atkins — Signature of Well Driller

01/07/2022 — Date

Version: September 8, 2009
Page 2 of 2

2022-1-7_C-4323-pod8__WD-11 Plugging Record

Final Audit Report 2022-01-07

Created:	2022-01-07
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAANmYNHH8R5wc4ezc9CnfxGGDfkGmuMWbH

"2022-1-7_C-4323-pod8__WD-11 Plugging Record" History

Document created by Lucas Middleton (lucas@atkinseng.com)
2022-01-07 - 5:18:10 PM GMT- IP address: 69.21.248.123

Document emailed to Jack Atkins (jack@atkinseng.com) for signature
2022-01-07 - 5:18:35 PM GMT

Email viewed by Jack Atkins (jack@atkinseng.com)
2022-01-07 - 5:19:01 PM GMT- IP address: 64.90.153.232

Document e-signed by Jack Atkins (jack@atkinseng.com)
Signature Date: 2022-01-07 - 5:19:15 PM GMT - Time Source: server- IP address: 64.90.153.232

Agreement completed.
2022-01-07 - 5:19:15 PM GMT

OSE DII JAN 7 2022 PM1:39

Adobe Sign

ENSOLUM

APPENDIX B

Photographic Log

ENSOLUM

Photographic Log
XTO Energy INC.
Corral Canyon Expansion Battery
NAPP2330049344

Photograph: 1 Date: 1/2/2024
Description: Release area.
View: North

Photograph: 2 Date: 1/24/2024
Description: Soil staining in release footprint.
View: North

Photograph: 3 Date: 1/24/2024
Description: Delineation of release area.
View: North

Photograph: 4 Date: 1/24/2024
Description: Delineation of southern area.
View: West

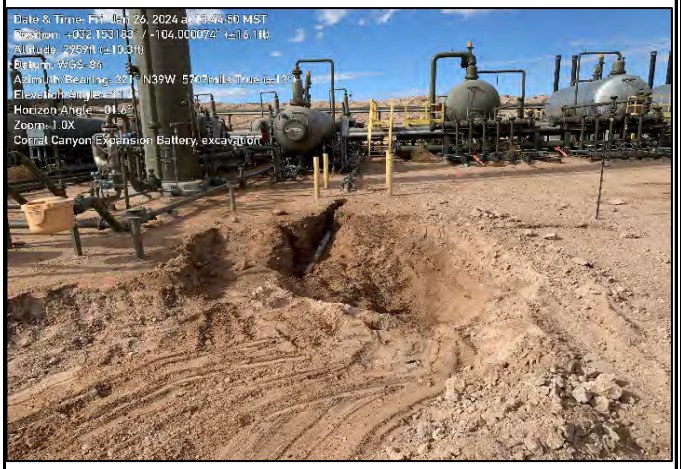
ENSOLUM

Photographic Log
XTO Energy INC.
Corral Canyon Expansion Battery
NAPP2330049344

Photograph: 5 Date: 1/24/2024
Description: Excavation activities.
View: South

Photograph: 6 Date: 1/26/2024
Description: Excavation extent.
View: Northwest

Photograph: 7 Date: 1/26/2024
Description: Excavation extent.
View: South



Photograph: 8 Date: 1/26/2024
Description: Excavation extent.
View: North

ENSOLUM

Photographic Log
XTO Energy INC.
Corral Canyon Expansion Battery
NAPP2330049344

Photograph: 9 Date: 2/20/2024
Description: Excavation extent
View: Southeast

Photograph: 10 Date: 2/20/2024
Description: Excavation extent
View: North

Photograph: 11 Date: 2/20/2024
Description: Excavation extent
View: Northeast

Photograph: 12 Date: 2/20/2024
Description: Excavation extent
View: Southwest

ENSOLUM

APPENDIX C

Lithologic Soil Sampling Logs

ENSOLUM

	Sample Name: PH01	Date: 01/25/2024
	Site Name: Corral Canyon Expansion Battery	
	Incident Number: NAPP2330049344	
	Job Number: 03C1558299	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Connor Whitman	Method: Trackhoe
Coordinates:	Hole Diameter: 3'	Total Depth: 4' bgs

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. +40% correction factor included for all chloride screenings.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		
M	9206	0	N	SS01	0.5		SP	SAND, brown, very fine to fine, trace caliche. No HC stain or odor
M	2637	0.1	N			1		
M	3259	0.0	N			2	SP	SAND, Tan, very fine, with silt and caliche. No HC stain or odor.
M	3259	0.0	N			3		
M	2828	0.0	N	PH01	4	4	CCHE	CALICHE, tan, well consolidated, with brown clayey sand. No HC stain or odor.

Total Depth @ 4 feet bgs.

ENSOLUM

	Sample Name: PH02	Date: 01/24/2024
	Site Name: Corral Canyon Expansion Battery	
	Incident Number: NAPP2330049344	
	Job Number: 03C1558299	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Connor Whitman	Method: Trackhoe
Coordinates:	Hole Diameter: 3'	Total Depth: 1' bgs

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. +40% correction factor included for all chloride screenings.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		
M	8489	0	N	SS02	0.5		CCHE	CALICHE, pad material, tan, some very fine brown sand. No HC stain or odor.
M	<168	0	N	PH02	1	1	SP	SAND, brown, very fine, with silt and caliche. No HC stain or odor.

Total Depth @ 1 foot bgs.

ENSOLUM

	Sample Name: PH03	Date: 01/24/2024
	Site Name: Corral Canyon Expansion Battery	
	Incident Number: NAPP2330049344	
	Job Number: 03C1558299	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Connor Whitman	Method: Trackhoe
Coordinates:	Hole Diameter: 3'	Total Depth: 1' bgs

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. +40% correction factor included for all chloride screenings.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		
M	8489	0.0	N	SS03	0.5		CCHE	CALICHE, pad material, tan, some very fine brown sand. No HC stain or odor.
M	274	0.0	N	PH03	1	1	SP	SAND, brown, very fine, with silt and caliche. No HC stain or odor.

Total Depth @ 1 foot bgs.

ENSOLUM

Sample Name: PH04	Date: 01/24/2024	
Site Name: Corral Canyon Expansion Battery		
Incident Number: NAPP2330049344		
Job Number: 03C1558299		
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Connor Whitman	Method: Trackhoe
Coordinates:	Hole Diameter: 3'	Total Depth: 1' bgs.

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. +40% correction factor included for all chloride screenings.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		
D	291	0.0	N	SS06	0.5		CCHE	CALICHE, pad material, tan, some very fine brown sand. No HC stain or odor.
M	<168	0.0	N	PH04	1	1	SP	SAND, brown, very fine, with silt and caliche. No HC stain or odor.

Total Depth @ 1 foot bgs.

ENSOLUM

APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Tacoma Morrissey
Ensolum
601 N. Marienfeld St.
Suite 400
Midland, Texas 79701

Generated 1/8/2024 3:43:13 PM

JOB DESCRIPTION

CORRAL CANYON EXPANSION BATTERY
03C1558299

JOB NUMBER

890-5870-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

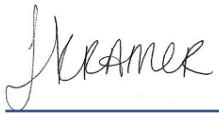
Eurofins Carlsbad

Job Notes

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

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

Authorization



Generated
1/8/2024 3:43:13 PM

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

Client: Ensolum
Project/Site: CORRAL CANYON EXPANSION BATTERY

Laboratory Job ID: 890-5870-1
SDG: 03C1558299

Table of Contents

Definitions/Glossary

Client: Ensolum Job ID: 890-5870-1
Project/Site: CORRAL CANYON EXPANSION BATTERY SDG: 03C1558299

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: Ensolum Job ID: 890-5870-1
Project: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-5870-1 Eurofins Carlsbad

Job Narrative
890-5870-1

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

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

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

Receipt
The samples were received on 1/2/2024 4:37 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 4.2°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: SS04 (890-5870-1), SS05 (890-5870-2), SS06 (890-5870-3), SS07 (890-5870-4), SS08 (890-5870-5) and SS09 (890-5870-6).

GC VOA
Method 8021B: The continuing calibration verification (CCV) associated with batch 880-70148 recovered above the upper control limit for m-Xylene & p-Xylene and o-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-70148/2).

Method 8021B: Surrogate recovery for the following samples were outside control limits: (CCV 880-70148/2), (CCV 880-70148/33), (CCV 880-70148/51), (LCS 880-70210/1-A), (LCSD 880-70210/2-A) and (890-5869-A-1-B MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (890-5869-A-1-A MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The laboratory control sample duplicate (LCSD) for preparation batch 880-70210 and analytical batch 880-70148 recovered outside control limits for the following analytes: m-Xylene & p-Xylene and o-Xylene. Since only an acceptable LCS is required per the method, the data has been qualified and reported.

Method 8021B: The matrix spike (MS) recoveries for preparation batch 880-70210 and analytical batch 880-70148 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-70148 recovered above the upper control limit for o-Xylene. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-70148/51).

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 880-70271 and analytical batch 880-70348 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SS04 (890-5870-1), SS05 (890-5870-2), SS06 (890-5870-3), SS07 (890-5870-4), SS08 (890-5870-5), SS09 (890-5870-6), (880-37547-A-101-D), (880-37547-A-101-E MS) and (880-37547-A-101-F MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-70271 and analytical batch 880-70348 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix

Case Narrative

Client: Ensolum Job ID: 890-5870-1
Project: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-5870-1 (Continued) Eurofins Carlsbad

interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

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

Client Sample Results

Client: Ensolum
Project/Site: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-5870-1
SDG: 03C1558299

Client Sample ID: SS04

Lab Sample ID: 890-5870-1
Matrix: Solid
Date Collected: 01/02/24 13:40
Date Received: 01/02/24 16:37
Sample Depth: 0.5'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/04/24 13:48	01/05/24 01:47	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/04/24 13:48	01/05/24 01:47	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/04/24 13:48	01/05/24 01:47	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		01/04/24 13:48	01/05/24 01:47	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		01/04/24 13:48	01/05/24 01:47	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		01/04/24 13:48	01/05/24 01:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*01/04/24 13:48*	*01/05/24 01:47*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*01/04/24 13:48*	*01/05/24 01:47*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/05/24 01:47	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			01/06/24 16:13	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		01/05/24 08:35	01/06/24 16:13	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		01/05/24 08:35	01/06/24 16:13	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		01/05/24 08:35	01/06/24 16:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*146*	*S1+*	*70 - 130*	*01/05/24 08:35*	*01/06/24 16:13*	*1*
o-Terphenyl	*136*	*S1+*	*70 - 130*	*01/05/24 08:35*	*01/06/24 16:13*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**248**		4.97		mg/Kg			01/08/24 09:22	1

Client Sample ID: SS05

Lab Sample ID: 890-5870-2
Matrix: Solid
Date Collected: 01/02/24 13:45
Date Received: 01/02/24 16:37
Sample Depth: 0.5'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		01/04/24 13:48	01/05/24 02:07	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/04/24 13:48	01/05/24 02:07	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/04/24 13:48	01/05/24 02:07	1
m-Xylene & p-Xylene	<0.00396	U *+	0.00396		mg/Kg		01/04/24 13:48	01/05/24 02:07	1
o-Xylene	<0.00198	U *+	0.00198		mg/Kg		01/04/24 13:48	01/05/24 02:07	1
Xylenes, Total	<0.00396	U *+	0.00396		mg/Kg		01/04/24 13:48	01/05/24 02:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*01/04/24 13:48*	*01/05/24 02:07*	*1*

Client Sample Results

Client: Ensolum
Project/Site: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-5870-1
SDG: 03C1558299

Client Sample ID: SS05

Lab Sample ID: 890-5870-2
Matrix: Solid
Date Collected: 01/02/24 13:45
Date Received: 01/02/24 16:37
Sample Depth: 0.5'

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*01/04/24 13:48*	*01/05/24 02:07*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			01/05/24 02:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	mg/Kg			01/06/24 16:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	mg/Kg		01/05/24 08:35	01/06/24 16:34	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		01/05/24 08:35	01/06/24 16:34	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		01/05/24 08:35	01/06/24 16:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*152*	*S1+*	*70 - 130*	*01/05/24 08:35*	*01/06/24 16:34*	*1*
o-Terphenyl	*140*	*S1+*	*70 - 130*	*01/05/24 08:35*	*01/06/24 16:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**296**		4.96	mg/Kg			01/08/24 09:28	1

Client Sample ID: SS06

Lab Sample ID: 890-5870-3
Matrix: Solid
Date Collected: 01/02/24 13:50
Date Received: 01/02/24 16:37
Sample Depth: 0.5'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/04/24 13:48	01/05/24 03:31	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/04/24 13:48	01/05/24 03:31	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/04/24 13:48	01/05/24 03:31	1
m-Xylene & p-Xylene	<0.00400	U *+	0.00400	mg/Kg		01/04/24 13:48	01/05/24 03:31	1
o-Xylene	<0.00200	U *+	0.00200	mg/Kg		01/04/24 13:48	01/05/24 03:31	1
Xylenes, Total	<0.00400	U *+	0.00400	mg/Kg		01/04/24 13:48	01/05/24 03:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*01/04/24 13:48*	*01/05/24 03:31*	*1*
1,4-Difluorobenzene (Surr)	*72*		*70 - 130*	*01/04/24 13:48*	*01/05/24 03:31*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			01/05/24 03:31	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**540**		50.1	mg/Kg			01/06/24 16:55	1

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
Project/Site: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-5870-1
SDG: 03C1558299

Client Sample ID: SS06

Lab Sample ID: 890-5870-3
Matrix: Solid
Date Collected: 01/02/24 13:50
Date Received: 01/02/24 16:37
Sample Depth: 0.5'

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		01/05/24 08:35	01/06/24 16:55	1
Diesel Range Organics (Over C10-C28)	**540**		50.1		mg/Kg		01/05/24 08:35	01/06/24 16:55	1
OII Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		01/05/24 08:35	01/06/24 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*139*	*S1+*	*70 - 130*	*01/05/24 08:35*	*01/06/24 16:55*	*1*
o-Terphenyl	*123*		*70 - 130*	*01/05/24 08:35*	*01/06/24 16:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**318**		4.95		mg/Kg			01/08/24 09:33	1

Client Sample ID: SS07

Lab Sample ID: 890-5870-4
Matrix: Solid
Date Collected: 01/02/24 13:55
Date Received: 01/02/24 16:37
Sample Depth: 0.5'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/04/24 13:48	01/05/24 03:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/04/24 13:48	01/05/24 03:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/04/24 13:48	01/05/24 03:52	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		01/04/24 13:48	01/05/24 03:52	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		01/04/24 13:48	01/05/24 03:52	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		01/04/24 13:48	01/05/24 03:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*01/04/24 13:48*	*01/05/24 03:52*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*01/04/24 13:48*	*01/05/24 03:52*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/05/24 03:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**67.1**		50.5		mg/Kg			01/06/24 17:16	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		01/05/24 08:35	01/06/24 17:16	1
Diesel Range Organics (Over C10-C28)	**67.1**		50.5		mg/Kg		01/05/24 08:35	01/06/24 17:16	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		01/05/24 08:35	01/06/24 17:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*138*	*S1+*	*70 - 130*	*01/05/24 08:35*	*01/06/24 17:16*	*1*
o-Terphenyl	*128*		*70 - 130*	*01/05/24 08:35*	*01/06/24 17:16*	*1*

Client Sample Results

Client: Ensolum
Project/Site: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-5870-1
SDG: 03C1558299

Client Sample ID: SS07

Lab Sample ID: 890-5870-4
Matrix: Solid
Date Collected: 01/02/24 13:55
Date Received: 01/02/24 16:37
Sample Depth: 0.5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**219**		4.99		mg/Kg			01/08/24 09:48	1

Client Sample ID: SS08

Lab Sample ID: 890-5870-5
Matrix: Solid
Date Collected: 01/02/24 13:20
Date Received: 01/02/24 16:37
Sample Depth: 0.5'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/04/24 13:48	01/05/24 04:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/04/24 13:48	01/05/24 04:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/04/24 13:48	01/05/24 04:12	1
m-Xylene & p-Xylene	<0.00401	U *+	0.00401		mg/Kg		01/04/24 13:48	01/05/24 04:12	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		01/04/24 13:48	01/05/24 04:12	1
Xylenes, Total	<0.00401	U *+	0.00401		mg/Kg		01/04/24 13:48	01/05/24 04:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*01/04/24 13:48*	*01/05/24 04:12*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*01/04/24 13:48*	*01/05/24 04:12*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			01/05/24 04:12	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**55.9**		49.7		mg/Kg			01/06/24 17:38	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		01/05/24 08:35	01/06/24 17:38	1
Diesel Range Organics (Over C10-C28)	**55.9**		49.7		mg/Kg		01/05/24 08:35	01/06/24 17:38	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		01/05/24 08:35	01/06/24 17:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*152*	*S1+*	*70 - 130*	*01/05/24 08:35*	*01/06/24 17:38*	*1*
o-Terphenyl	*136*	*S1+*	*70 - 130*	*01/05/24 08:35*	*01/06/24 17:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**62.4**		4.96		mg/Kg			01/08/24 09:53	1

Client Sample Results

Client: Ensolum
Project/Site: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-5870-1
SDG: 03C1558299

Client Sample ID: SS09

Date Collected: 01/02/24 13:25
Date Received: 01/02/24 16:37
Sample Depth: 0.5'

Lab Sample ID: 890-5870-6

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		01/04/24 13:48	01/05/24 04:33	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/04/24 13:48	01/05/24 04:33	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/04/24 13:48	01/05/24 04:33	1
m-Xylene & p-Xylene	<0.00404	U *+	0.00404		mg/Kg		01/04/24 13:48	01/05/24 04:33	1
o-Xylene	<0.00202	U *+	0.00202		mg/Kg		01/04/24 13:48	01/05/24 04:33	1
Xylenes, Total	<0.00404	U *+	0.00404		mg/Kg		01/04/24 13:48	01/05/24 04:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*01/04/24 13:48*	*01/05/24 04:33*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*01/04/24 13:48*	*01/05/24 04:33*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			01/05/24 04:33	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/06/24 17:59	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/05/24 08:35	01/06/24 17:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/05/24 08:35	01/06/24 17:59	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/05/24 08:35	01/06/24 17:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*138*	*S1+*	*70 - 130*	*01/05/24 08:35*	*01/06/24 17:59*	*1*
o-Terphenyl	*127*		*70 - 130*	*01/05/24 08:35*	*01/06/24 17:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**63.5**		5.01		mg/Kg			01/08/24 10:09	1

Surrogate Summary

Client: Ensolum
Project/Site: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-5870-1
SDG: 03C1558299

Method: 8021B - Volatile Organic Compounds (GC)

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) BFB1 (70-130)	DFBZ1 (70-130)
890-5869-A-1-A MS	Matrix Spike	132 S1+	95
890-5869-A-1-B MSD	Matrix Spike Duplicate	133 S1+	101
890-5870-1	SS04	121	73
890-5870-2	SS05	97	81
890-5870-3	SS06	118	72
890-5870-4	SS07	94	80
890-5870-5	SS08	118	78
890-5870-6	SS09	117	75
LCS 880-70210/1-A	Lab Control Sample	138 S1+	96
LCSD 880-70210/2-A	Lab Control Sample Dup	142 S1+	93
MB 880-70150/5-A	Method Blank	91	82
MB 880-70210/5-A	Method Blank	95	78

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) 1CO1 (70-130)	OTPH1 (70-130)
880-37547-A-101-E MS	Matrix Spike	157 S1+	122
880-37547-A-101-F MSD	Matrix Spike Duplicate	164 S1+	127
890-5870-1	SS04	146 S1+	136 S1+
890-5870-2	SS05	152 S1+	140 S1+
890-5870-3	SS06	139 S1+	123
890-5870-4	SS07	138 S1+	128
890-5870-5	SS08	152 S1+	136 S1+
890-5870-6	SS09	138 S1+	127
LCS 880-70271/2-A	Lab Control Sample	97	101
LCSD 880-70271/3-A	Lab Control Sample Dup	91	92
MB 880-70271/1-A	Method Blank	156 S1+	158 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum
Project/Site: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-5870-1
SDG: 03C1558299

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-70150/5-A
Matrix: Solid
Analysis Batch: 70148

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 70150

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/04/24 09:18	01/04/24 12:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/04/24 09:18	01/04/24 12:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/04/24 09:18	01/04/24 12:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/04/24 09:18	01/04/24 12:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/04/24 09:18	01/04/24 12:03	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/04/24 09:18	01/04/24 12:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*01/04/24 09:18*	*01/04/24 12:03*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*01/04/24 09:18*	*01/04/24 12:03*	*1*

Lab Sample ID: MB 880-70210/5-A
Matrix: Solid
Analysis Batch: 70148

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 70210

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/04/24 13:48	01/04/24 22:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/04/24 13:48	01/04/24 22:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/04/24 13:48	01/04/24 22:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/04/24 13:48	01/04/24 22:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/04/24 13:48	01/04/24 22:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/04/24 13:48	01/04/24 22:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*01/04/24 13:48*	*01/04/24 22:41*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*01/04/24 13:48*	*01/04/24 22:41*	*1*

Lab Sample ID: LCS 880-70210/1-A
Matrix: Solid
Analysis Batch: 70148

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 70210

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09434		mg/Kg		94	70 - 130		
Toluene			0.100	0.09426		mg/Kg		94	70 - 130		
Ethylbenzene			0.100	0.1182		mg/Kg		118	70 - 130		
m-Xylene & p-Xylene			0.200	0.2539		mg/Kg		127	70 - 130		
o-Xylene			0.100	0.1260		mg/Kg		126	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*138*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: LCSD 880-70210/2-A
Matrix: Solid
Analysis Batch: 70148

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 70210

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1013		mg/Kg		101	70 - 130	7	35

QC Sample Results

Client: Ensolum
Project/Site: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-5870-1
SDG: 03C1558299

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

Lab Sample ID: LCSD 880-70210/2-A
Matrix: Solid
Analysis Batch: 70148

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 70210

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.1014		mg/Kg		101	70 - 130	7	35
Ethylbenzene			0.100	0.1217		mg/Kg		122	70 - 130	3	35
m-Xylene & p-Xylene			0.200	0.2780	*+	mg/Kg		139	70 - 130	9	35
o-Xylene			0.100	0.1375	*+	mg/Kg		138	70 - 130	9	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*142*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: 890-5869-A-1-A MS
Matrix: Solid
Analysis Batch: 70148

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 70210

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00198	U	0.101	0.07960		mg/Kg		79	70 - 130
Toluene	<0.00198	U F1	0.101	0.06857	F1	mg/Kg		67	70 - 130
Ethylbenzene	<0.00198	U	0.101	0.08842		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	<0.00396	U *+	0.202	0.1767		mg/Kg		87	70 - 130
o-Xylene	<0.00198	U *+	0.101	0.09382		mg/Kg		93	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: 890-5869-A-1-B MSD
Matrix: Solid
Analysis Batch: 70148

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 70210

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.101	0.08469		mg/Kg		84	70 - 130	6	35
Toluene	<0.00198	U F1	0.101	0.07522		mg/Kg		74	70 - 130	9	35
Ethylbenzene	<0.00198	U	0.101	0.09959		mg/Kg		99	70 - 130	12	35
m-Xylene & p-Xylene	<0.00396	U *+	0.202	0.1937		mg/Kg		96	70 - 130	9	35
o-Xylene	<0.00198	U *+	0.101	0.1034		mg/Kg		103	70 - 130	10	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

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

Lab Sample ID: MB 880-70271/1-A
Matrix: Solid
Analysis Batch: 70348

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 70271

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/05/24 08:35	01/06/24 08:40	1

QC Sample Results

Client: Ensolum
Project/Site: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-5870-1
SDG: 03C1558299

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

Lab Sample ID: MB 880-70271/1-A
Matrix: Solid
Analysis Batch: 70348

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 70271

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/05/24 08:35	01/06/24 08:40	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/05/24 08:35	01/06/24 08:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*156*	*S1+*	*70 - 130*	*01/05/24 08:35*	*01/06/24 08:40*	*1*
o-Terphenyl	*158*	*S1+*	*70 - 130*	*01/05/24 08:35*	*01/06/24 08:40*	*1*

Lab Sample ID: LCS 880-70271/2-A
Matrix: Solid
Analysis Batch: 70348

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 70271

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	895.3		mg/Kg		90	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	978.3		mg/Kg		98	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*97*		*70 - 130*
o-Terphenyl	*101*		*70 - 130*

Lab Sample ID: LCSD 880-70271/3-A
Matrix: Solid
Analysis Batch: 70348

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 70271

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	896.6		mg/Kg		90	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	999.5		mg/Kg		100	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*91*		*70 - 130*
o-Terphenyl	*92*		*70 - 130*

Lab Sample ID: 880-37547-A-101-E MS
Matrix: Solid
Analysis Batch: 70348

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 70271

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.5	U	999	824.1		mg/Kg		79	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.5	U F1	999	1637	F1	mg/Kg		161	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*157*	*S1+*	*70 - 130*
o-Terphenyl	*122*		*70 - 130*

QC Sample Results

Client: Ensolum
Project/Site: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-5870-1
SDG: 03C1558299

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

Lab Sample ID: 880-37547-A-101-F MSD
Matrix: Solid
Analysis Batch: 70348

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 70271

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.5	U	999	960.7		mg/Kg		93	70 - 130	15	20
Diesel Range Organics (Over C10-C28)	<49.5	U F1	999	1722	F1	mg/Kg		169	70 - 130	5	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*164*	*S1+*	*70 - 130*
o-Terphenyl	*127*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-70219/1-A
Matrix: Solid
Analysis Batch: 70294

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			01/08/24 08:05	1

Lab Sample ID: LCS 880-70219/2-A
Matrix: Solid
Analysis Batch: 70294

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	241.0		mg/Kg		96	90 - 110		

Lab Sample ID: LCSD 880-70219/3-A
Matrix: Solid
Analysis Batch: 70294

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	240.5		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 890-5870-3 MS
Matrix: Solid
Analysis Batch: 70294

Client Sample ID: SS06
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	318		248	563.6		mg/Kg		99	90 - 110		

Lab Sample ID: 890-5870-3 MSD
Matrix: Solid
Analysis Batch: 70294

Client Sample ID: SS06
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	318		248	564.5		mg/Kg		99	90 - 110	0	20

QC Association Summary

Client: Ensolum
Project/Site: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-5870-1
SDG: 03C1558299

GC VOA

Analysis Batch: 70148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5870-1	SS04	Total/NA	Solid	8021B	70210
890-5870-2	SS05	Total/NA	Solid	8021B	70210
890-5870-3	SS06	Total/NA	Solid	8021B	70210
890-5870-4	SS07	Total/NA	Solid	8021B	70210
890-5870-5	SS08	Total/NA	Solid	8021B	70210
890-5870-6	SS09	Total/NA	Solid	8021B	70210
MB 880-70150/5-A	Method Blank	Total/NA	Solid	8021B	70150
MB 880-70210/5-A	Method Blank	Total/NA	Solid	8021B	70210
LCS 880-70210/1-A	Lab Control Sample	Total/NA	Solid	8021B	70210
LCSD 880-70210/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	70210
890-5869-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	70210
890-5869-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	70210

Prep Batch: 70150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-70150/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 70210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5870-1	SS04	Total/NA	Solid	5035	
890-5870-2	SS05	Total/NA	Solid	5035	
890-5870-3	SS06	Total/NA	Solid	5035	
890-5870-4	SS07	Total/NA	Solid	5035	
890-5870-5	SS08	Total/NA	Solid	5035	
890-5870-6	SS09	Total/NA	Solid	5035	
MB 880-70210/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-70210/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-70210/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-5869-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
890-5869-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 70284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5870-1	SS04	Total/NA	Solid	Total BTEX	
890-5870-2	SS05	Total/NA	Solid	Total BTEX	
890-5870-3	SS06	Total/NA	Solid	Total BTEX	
890-5870-4	SS07	Total/NA	Solid	Total BTEX	
890-5870-5	SS08	Total/NA	Solid	Total BTEX	
890-5870-6	SS09	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 70271

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5870-1	SS04	Total/NA	Solid	8015NM Prep	
890-5870-2	SS05	Total/NA	Solid	8015NM Prep	
890-5870-3	SS06	Total/NA	Solid	8015NM Prep	
890-5870-4	SS07	Total/NA	Solid	8015NM Prep	
890-5870-5	SS08	Total/NA	Solid	8015NM Prep	
890-5870-6	SS09	Total/NA	Solid	8015NM Prep	
MB 880-70271/1-A	Method Blank	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Ensolum
Project/Site: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-5870-1
SDG: 03C1558299

GC Semi VOA (Continued)

Prep Batch: 70271 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-70271/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-70271/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-37547-A-101-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-37547-A-101-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 70348

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5870-1	SS04	Total/NA	Solid	8015B NM	70271
890-5870-2	SS05	Total/NA	Solid	8015B NM	70271
890-5870-3	SS06	Total/NA	Solid	8015B NM	70271
890-5870-4	SS07	Total/NA	Solid	8015B NM	70271
890-5870-5	SS08	Total/NA	Solid	8015B NM	70271
890-5870-6	SS09	Total/NA	Solid	8015B NM	70271
MB 880-70271/1-A	Method Blank	Total/NA	Solid	8015B NM	70271
LCS 880-70271/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	70271
LCSD 880-70271/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	70271
880-37547-A-101-E MS	Matrix Spike	Total/NA	Solid	8015B NM	70271
880-37547-A-101-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	70271

Analysis Batch: 70419

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5870-1	SS04	Total/NA	Solid	8015 NM	
890-5870-2	SS05	Total/NA	Solid	8015 NM	
890-5870-3	SS06	Total/NA	Solid	8015 NM	
890-5870-4	SS07	Total/NA	Solid	8015 NM	
890-5870-5	SS08	Total/NA	Solid	8015 NM	
890-5870-6	SS09	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 70219

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5870-1	SS04	Soluble	Solid	DI Leach	
890-5870-2	SS05	Soluble	Solid	DI Leach	
890-5870-3	SS06	Soluble	Solid	DI Leach	
890-5870-4	SS07	Soluble	Solid	DI Leach	
890-5870-5	SS08	Soluble	Solid	DI Leach	
890-5870-6	SS09	Soluble	Solid	DI Leach	
MB 880-70219/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-70219/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-70219/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-5870-3 MS	SS06	Soluble	Solid	DI Leach	
890-5870-3 MSD	SS06	Soluble	Solid	DI Leach	

Analysis Batch: 70294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5870-1	SS04	Soluble	Solid	300.0	70219
890-5870-2	SS05	Soluble	Solid	300.0	70219
890-5870-3	SS06	Soluble	Solid	300.0	70219
890-5870-4	SS07	Soluble	Solid	300.0	70219
890-5870-5	SS08	Soluble	Solid	300.0	70219

QC Association Summary

Client: Ensolum
Project/Site: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-5870-1
SDG: 03C1558299

HPLC/IC (Continued)

Analysis Batch: 70294 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5870-6	SS09	Soluble	Solid	300.0	70219
MB 880-70219/1-A	Method Blank	Soluble	Solid	300.0	70219
LCS 880-70219/2-A	Lab Control Sample	Soluble	Solid	300.0	70219
LCSD 880-70219/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	70219
890-5870-3 MS	SS06	Soluble	Solid	300.0	70219
890-5870-3 MSD	SS06	Soluble	Solid	300.0	70219

Lab Chronicle

Client: Ensolum
Project/Site: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-5870-1
SDG: 03C1558299

Client Sample ID: SS04

Date Collected: 01/02/24 13:40
Date Received: 01/02/24 16:37

Lab Sample ID: 890-5870-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	70210	01/04/24 13:48	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70148	01/05/24 01:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			70284	01/05/24 01:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			70419	01/06/24 16:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	70271	01/05/24 08:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70348	01/06/24 16:13	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	70219	01/04/24 14:25	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	70294	01/08/24 09:22	CH	EET MID

Client Sample ID: SS05

Date Collected: 01/02/24 13:45
Date Received: 01/02/24 16:37

Lab Sample ID: 890-5870-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	70210	01/04/24 13:48	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70148	01/05/24 02:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			70284	01/05/24 02:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			70419	01/06/24 16:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	70271	01/05/24 08:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70348	01/06/24 16:34	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	70219	01/04/24 14:25	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	70294	01/08/24 09:28	CH	EET MID

Client Sample ID: SS06

Date Collected: 01/02/24 13:50
Date Received: 01/02/24 16:37

Lab Sample ID: 890-5870-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	70210	01/04/24 13:48	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70148	01/05/24 03:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			70284	01/05/24 03:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			70419	01/06/24 16:55	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	70271	01/05/24 08:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70348	01/06/24 16:55	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	70219	01/04/24 14:25	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	70294	01/08/24 09:33	CH	EET MID

Client Sample ID: SS07

Date Collected: 01/02/24 13:55
Date Received: 01/02/24 16:37

Lab Sample ID: 890-5870-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	70210	01/04/24 13:48	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70148	01/05/24 03:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			70284	01/05/24 03:52	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum
Project/Site: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-5870-1
SDG: 03C1558299

Client Sample ID: SS07

Lab Sample ID: 890-5870-4
Matrix: Solid
Date Collected: 01/02/24 13:55
Date Received: 01/02/24 16:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			70419	01/06/24 17:16	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	70271	01/05/24 08:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70348	01/06/24 17:16	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	70219	01/04/24 14:25	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	70294	01/08/24 09:48	CH	EET MID

Client Sample ID: SS08

Lab Sample ID: 890-5870-5
Matrix: Solid
Date Collected: 01/02/24 13:20
Date Received: 01/02/24 16:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	70210	01/04/24 13:48	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70148	01/05/24 04:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			70284	01/05/24 04:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			70419	01/06/24 17:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	70271	01/05/24 08:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70348	01/06/24 17:38	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	70219	01/04/24 14:25	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	70294	01/08/24 09:53	CH	EET MID

Client Sample ID: SS09

Lab Sample ID: 890-5870-6
Matrix: Solid
Date Collected: 01/02/24 13:25
Date Received: 01/02/24 16:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	70210	01/04/24 13:48	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70148	01/05/24 04:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			70284	01/05/24 04:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			70419	01/06/24 17:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	70271	01/05/24 08:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70348	01/06/24 17:59	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	70219	01/04/24 14:25	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	70294	01/08/24 10:09	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum
Project/Site: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-5870-1
SDG: 03C1558299

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Ensolum
Project/Site: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-5870-1
SDG: 03C1558299

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Ensolum
Project/Site: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-5870-1
SDG: 03C1558299

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-5870-1	SS04	Solid	01/02/24 13:40	01/02/24 16:37	0.5'
890-5870-2	SS05	Solid	01/02/24 13:45	01/02/24 16:37	0.5'
890-5870-3	SS06	Solid	01/02/24 13:50	01/02/24 16:37	0.5'
890-5870-4	SS07	Solid	01/02/24 13:55	01/02/24 16:37	0.5'
890-5870-5	SS08	Solid	01/02/24 13:20	01/02/24 16:37	0.5'
890-5870-6	SS09	Solid	01/02/24 13:25	01/02/24 16:37	0.5'

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-33
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-319

890-5870 Chain of Custody

Page 1 of 1

Project Manager:	Tacoma Morrissey	Bill to: (if different)	Garrett Green
Company Name:	Ensolum, LLC	Company Name:	XTO Energy
Address:	3122 National Parks Hwy	Address:	3104 E. Greene St
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Carlsbad, NM 88220
Phone:	(337) 257-8307 Email:	Email:	Garrett.Green@ExxonMobil.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Corral Canyon Expansion Battery	Turn Around	
Project Number:	03C155899	☒ Routine ☐ Rush	
Project Location:	32.153330, -104.00022	Due Date:	5 days
Sampler's Name:	Mariana O'Dell	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	TWN00
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	4.4
Total Containers:		Corrected Temperature:	4.2

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2SO_4: H_2 | NaOH: Na
H_3PO_4: HP
NaHSO$_4$: NABIS
$Na_2S_2O_3$: NaSO$_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: Chlorides	TPH	BTEX	Sample Comments
SS04	S	1/2/24	13:40	0.5'	G	1		X	X	X	Incident #: nAPP2330049344
SS05			13:45	0.5'							tmorrissey@ensolum.com
SS06			13:50	0.5'							
SS07			13:55	0.5'							
SS08			13:20	0.5'							
SS09			13:25	0.5'							

MD

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	M. O'Dell		1/2/24	2 1637		
3				4		
5				6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-5870-1
SDG Number: 03C1558299

Login Number: 5870
List Number: 1
Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-5870-1
SDG Number: 03C1558299

Login Number: 5870
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 01/04/24 01:31 PM

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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ANALYTICAL REPORT

PREPARED FOR

Attn: Tacoma Morrissey
Ensolum
601 N. Marienfeld St.
Suite 400
Midland, Texas 79701

Generated 1/8/2024 3:43:13 PM

JOB DESCRIPTION

CORRAL CANYON EXPANSION BATTERY
03C1558299

JOB NUMBER

890-5871-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

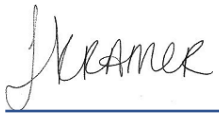
Eurofins Carlsbad

Job Notes

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

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

Authorization



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

Client: Ensolum
Project/Site: CORRAL CANYON EXPANSION BATTERY

Laboratory Job ID: 890-5871-1
SDG: 03C1558299

Table of Contents

Eurofins Carlsbad
1/8/2024

Definitions/Glossary

Client: Ensolum
Project/Site: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-5871-1
SDG: 03C1558299

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: Ensolum Job ID: 890-5871-1
Project: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-5871-1 Eurofins Carlsbad

Job Narrative
890-5871-1

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

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

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

Receipt
The samples were received on 1/2/2024 4:36 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.6°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: SS01 (890-5871-1), SS02 (890-5871-2) and SS03 (890-5871-3).

GC VOA
Method 8021B: The continuing calibration verification (CCV) associated with batch 880-70148 recovered above the upper control limit for m-Xylene & p-Xylene and o-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-70148/2).

Method 8021B: Surrogate recovery for the following samples were outside control limits: (CCV 880-70148/2), (CCV 880-70148/33), (CCV 880-70148/51), (LCS 880-70210/1-A), (LCSD 880-70210/2-A) and (890-5869-A-1-B MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (890-5869-A-1-A MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The laboratory control sample duplicate (LCSD) for preparation batch 880-70210 and analytical batch 880-70148 recovered outside control limits for the following analytes: m-Xylene & p-Xylene and o-Xylene. Since only an acceptable LCS is required per the method, the data has been qualified and reported.

Method 8021B: The matrix spike (MS) recoveries for preparation batch 880-70210 and analytical batch 880-70148 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-70148 recovered above the upper control limit for o-Xylene. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-70148/51).

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 880-70271 and analytical batch 880-70348 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SS01 (890-5871-1), SS02 (890-5871-2), SS03 (890-5871-3), (880-37547-A-101-D), (880-37547-A-101-E MS) and (880-37547-A-101-F MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-70271 and analytical batch 880-70348 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within

Case Narrative

Client: Ensolum Job ID: 890-5871-1
Project: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-5871-1 (Continued) Eurofins Carlsbad

acceptance limits.

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

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

Client Sample Results

Client: Ensolum
Project/Site: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-5871-1
SDG: 03C1558299

Client Sample ID: SS01

Date Collected: 01/02/24 12:40
Date Received: 01/02/24 16:36

Lab Sample ID: 890-5871-1
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/04/24 13:48	01/05/24 04:53	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/04/24 13:48	01/05/24 04:53	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/04/24 13:48	01/05/24 04:53	1
m-Xylene & p-Xylene	<0.00402	U *+	0.00402		mg/Kg		01/04/24 13:48	01/05/24 04:53	1
o-Xylene	<0.00201	U *+	0.00201		mg/Kg		01/04/24 13:48	01/05/24 04:53	1
Xylenes, Total	<0.00402	U *+	0.00402		mg/Kg		01/04/24 13:48	01/05/24 04:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*01/04/24 13:48*	*01/05/24 04:53*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*01/04/24 13:48*	*01/05/24 04:53*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/05/24 04:53	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**89.8**		50.1		mg/Kg			01/06/24 18:20	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		01/05/24 08:35	01/06/24 18:20	1
Diesel Range Organics (Over C10-C28)	**89.8**		50.1		mg/Kg		01/05/24 08:35	01/06/24 18:20	1
OII Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		01/05/24 08:35	01/06/24 18:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*152*	*S1+*	*70 - 130*	*01/05/24 08:35*	*01/06/24 18:20*	*1*
o-Terphenyl	*142*	*S1+*	*70 - 130*	*01/05/24 08:35*	*01/06/24 18:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7410**		49.8		mg/Kg			01/08/24 10:14	10

Client Sample ID: SS02

Date Collected: 01/02/24 12:45
Date Received: 01/02/24 16:36

Lab Sample ID: 890-5871-2
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/04/24 13:48	01/05/24 05:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/04/24 13:48	01/05/24 05:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/04/24 13:48	01/05/24 05:14	1
m-Xylene & p-Xylene	<0.00399	U *+	0.00399		mg/Kg		01/04/24 13:48	01/05/24 05:14	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		01/04/24 13:48	01/05/24 05:14	1
Xylenes, Total	<0.00399	U *+	0.00399		mg/Kg		01/04/24 13:48	01/05/24 05:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*01/04/24 13:48*	*01/05/24 05:14*	*1*
1,4-Difluorobenzene (Surr)	*72*		*70 - 130*	*01/04/24 13:48*	*01/05/24 05:14*	*1*

Client Sample Results

Client: Ensolum
Project/Site: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-5871-1
SDG: 03C1558299

Client Sample ID: SS02

Date Collected: 01/02/24 12:45
Date Received: 01/02/24 16:36

Lab Sample ID: 890-5871-2
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/05/24 05:14	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**52.8**		50.4		mg/Kg			01/06/24 18:41	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		01/05/24 08:35	01/06/24 18:41	1
Diesel Range Organics (Over C10-C28)	**52.8**		50.4		mg/Kg		01/05/24 08:35	01/06/24 18:41	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		01/05/24 08:35	01/06/24 18:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*160*	*S1+*	*70 - 130*	*01/05/24 08:35*	*01/06/24 18:41*	*1*
o-Terphenyl	*148*	*S1+*	*70 - 130*	*01/05/24 08:35*	*01/06/24 18:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2250**		24.9		mg/Kg			01/08/24 10:19	5

Client Sample ID: SS03

Date Collected: 01/02/24 12:50
Date Received: 01/02/24 16:36

Lab Sample ID: 890-5871-3
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		01/04/24 13:48	01/05/24 05:34	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/04/24 13:48	01/05/24 05:34	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/04/24 13:48	01/05/24 05:34	1
m-Xylene & p-Xylene	<0.00397	U *+	0.00397		mg/Kg		01/04/24 13:48	01/05/24 05:34	1
o-Xylene	<0.00198	U *+	0.00198		mg/Kg		01/04/24 13:48	01/05/24 05:34	1
Xylenes, Total	<0.00397	U *+	0.00397		mg/Kg		01/04/24 13:48	01/05/24 05:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*01/04/24 13:48*	*01/05/24 05:34*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*01/04/24 13:48*	*01/05/24 05:34*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			01/05/24 05:34	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**51.8**		50.5		mg/Kg			01/06/24 19:02	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		01/05/24 08:35	01/06/24 19:02	1
Diesel Range Organics (Over C10-C28)	**51.8**		50.5		mg/Kg		01/05/24 08:35	01/06/24 19:02	1

Client Sample Results

Client: Ensolum
Project/Site: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-5871-1
SDG: 03C1558299

Client Sample ID: SS03
Date Collected: 01/02/24 12:50
Date Received: 01/02/24 16:36

Lab Sample ID: 890-5871-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		01/05/24 08:35	01/06/24 19:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*149*	*S1+*	*70 - 130*	*01/05/24 08:35*	*01/06/24 19:02*	*1*
o-Terphenyl	*140*	*S1+*	*70 - 130*	*01/05/24 08:35*	*01/06/24 19:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3120**		25.0		mg/Kg			01/08/24 10:24	5

Surrogate Summary

Client: Ensolum
Project/Site: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-5871-1
SDG: 03C1558299

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-5869-A-1-A MS	Matrix Spike	132 S1+	95
890-5869-A-1-B MSD	Matrix Spike Duplicate	133 S1+	101
890-5871-1	SS01	115	76
890-5871-2	SS02	104	72
890-5871-3	SS03	114	82
LCS 880-70210/1-A	Lab Control Sample	138 S1+	96
LCSD 880-70210/2-A	Lab Control Sample Dup	142 S1+	93
MB 880-70150/5-A	Method Blank	91	82
MB 880-70210/5-A	Method Blank	95	78

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-37547-A-101-E MS	Matrix Spike	157 S1+	122
880-37547-A-101-F MSD	Matrix Spike Duplicate	164 S1+	127
890-5871-1	SS01	152 S1+	142 S1+
890-5871-2	SS02	160 S1+	148 S1+
890-5871-3	SS03	149 S1+	140 S1+
LCS 880-70271/2-A	Lab Control Sample	97	101
LCSD 880-70271/3-A	Lab Control Sample Dup	91	92
MB 880-70271/1-A	Method Blank	156 S1+	158 S1+

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum
Project/Site: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-5871-1
SDG: 03C1558299

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-70150/5-A
Matrix: Solid
Analysis Batch: 70148

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 70150

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/04/24 09:18	01/04/24 12:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/04/24 09:18	01/04/24 12:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/04/24 09:18	01/04/24 12:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/04/24 09:18	01/04/24 12:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/04/24 09:18	01/04/24 12:03	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/04/24 09:18	01/04/24 12:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*01/04/24 09:18*	*01/04/24 12:03*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*01/04/24 09:18*	*01/04/24 12:03*	*1*

Lab Sample ID: MB 880-70210/5-A
Matrix: Solid
Analysis Batch: 70148

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 70210

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/04/24 13:48	01/04/24 22:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/04/24 13:48	01/04/24 22:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/04/24 13:48	01/04/24 22:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/04/24 13:48	01/04/24 22:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/04/24 13:48	01/04/24 22:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/04/24 13:48	01/04/24 22:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*01/04/24 13:48*	*01/04/24 22:41*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*01/04/24 13:48*	*01/04/24 22:41*	*1*

Lab Sample ID: LCS 880-70210/1-A
Matrix: Solid
Analysis Batch: 70148

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 70210

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09434		mg/Kg		94	70 - 130		
Toluene			0.100	0.09426		mg/Kg		94	70 - 130		
Ethylbenzene			0.100	0.1182		mg/Kg		118	70 - 130		
m-Xylene & p-Xylene			0.200	0.2539		mg/Kg		127	70 - 130		
o-Xylene			0.100	0.1260		mg/Kg		126	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*138*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: LCSD 880-70210/2-A
Matrix: Solid
Analysis Batch: 70148

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 70210

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1013		mg/Kg		101	70 - 130	7	35

QC Sample Results

Client: Ensolum
Project/Site: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-5871-1
SDG: 03C1558299

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

Lab Sample ID: LCSD 880-70210/2-A
Matrix: Solid
Analysis Batch: 70148

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 70210

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.1014		mg/Kg		101	70 - 130	7	35
Ethylbenzene			0.100	0.1217		mg/Kg		122	70 - 130	3	35
m-Xylene & p-Xylene			0.200	0.2780	*+	mg/Kg		139	70 - 130	9	35
o-Xylene			0.100	0.1375	*+	mg/Kg		138	70 - 130	9	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*142*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: 890-5869-A-1-A MS
Matrix: Solid
Analysis Batch: 70148

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 70210

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00198	U	0.101	0.07960		mg/Kg		79	70 - 130
Toluene	<0.00198	U F1	0.101	0.06857	F1	mg/Kg		67	70 - 130
Ethylbenzene	<0.00198	U	0.101	0.08842		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	<0.00396	U *+	0.202	0.1767		mg/Kg		87	70 - 130
o-Xylene	<0.00198	U *+	0.101	0.09382		mg/Kg		93	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: 890-5869-A-1-B MSD
Matrix: Solid
Analysis Batch: 70148

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 70210

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.101	0.08469		mg/Kg		84	70 - 130	6	35
Toluene	<0.00198	U F1	0.101	0.07522		mg/Kg		74	70 - 130	9	35
Ethylbenzene	<0.00198	U	0.101	0.09959		mg/Kg		99	70 - 130	12	35
m-Xylene & p-Xylene	<0.00396	U *+	0.202	0.1937		mg/Kg		96	70 - 130	9	35
o-Xylene	<0.00198	U *+	0.101	0.1034		mg/Kg		103	70 - 130	10	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

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

Lab Sample ID: MB 880-70271/1-A
Matrix: Solid
Analysis Batch: 70348

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 70271

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/05/24 08:35	01/06/24 08:40	1

QC Sample Results

Client: Ensolum
Project/Site: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-5871-1
SDG: 03C1558299

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

Lab Sample ID: MB 880-70271/1-A
Matrix: Solid
Analysis Batch: 70348

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 70271

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/05/24 08:35	01/06/24 08:40	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/05/24 08:35	01/06/24 08:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*156*	*S1+*	*70 - 130*	*01/05/24 08:35*	*01/06/24 08:40*	*1*
o-Terphenyl	*158*	*S1+*	*70 - 130*	*01/05/24 08:35*	*01/06/24 08:40*	*1*

Lab Sample ID: LCS 880-70271/2-A
Matrix: Solid
Analysis Batch: 70348

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 70271

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	895.3		mg/Kg		90	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	978.3		mg/Kg		98	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*97*		*70 - 130*
o-Terphenyl	*101*		*70 - 130*

Lab Sample ID: LCSD 880-70271/3-A
Matrix: Solid
Analysis Batch: 70348

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 70271

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	896.6		mg/Kg		90	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	999.5		mg/Kg		100	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*91*		*70 - 130*
o-Terphenyl	*92*		*70 - 130*

Lab Sample ID: 880-37547-A-101-E MS
Matrix: Solid
Analysis Batch: 70348

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 70271

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.5	U	999	824.1		mg/Kg		79	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.5	U F1	999	1637	F1	mg/Kg		161	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*157*	*S1+*	*70 - 130*
o-Terphenyl	*122*		*70 - 130*

QC Sample Results

Client: Ensolum
Project/Site: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-5871-1
SDG: 03C1558299

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

Lab Sample ID: 880-37547-A-101-F MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 70348 — **Prep Batch: 70271**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.5	U	999	960.7		mg/Kg		93	70 - 130	15	20
Diesel Range Organics (Over C10-C28)	<49.5	U F1	999	1722	F1	mg/Kg		169	70 - 130	5	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*164*	*S1+*	*70 - 130*
o-Terphenyl	*127*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-70219/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 70294

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			01/08/24 08:05	1

Lab Sample ID: LCS 880-70219/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 70294

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	241.0		mg/Kg		96	90 - 110		

Lab Sample ID: LCSD 880-70219/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 70294

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	240.5		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 890-5870-A-3-C MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 70294

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	318		248	563.6		mg/Kg		99	90 - 110		

Lab Sample ID: 890-5870-A-3-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 70294

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	318		248	564.5		mg/Kg		99	90 - 110	0	20

QC Association Summary

Client: Ensolum
Project/Site: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-5871-1
SDG: 03C1558299

GC VOA

Analysis Batch: 70148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5871-1	SS01	Total/NA	Solid	8021B	70210
890-5871-2	SS02	Total/NA	Solid	8021B	70210
890-5871-3	SS03	Total/NA	Solid	8021B	70210
MB 880-70150/5-A	Method Blank	Total/NA	Solid	8021B	70150
MB 880-70210/5-A	Method Blank	Total/NA	Solid	8021B	70210
LCS 880-70210/1-A	Lab Control Sample	Total/NA	Solid	8021B	70210
LCSD 880-70210/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	70210
890-5869-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	70210
890-5869-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	70210

Prep Batch: 70150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-70150/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 70210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5871-1	SS01	Total/NA	Solid	5035	
890-5871-2	SS02	Total/NA	Solid	5035	
890-5871-3	SS03	Total/NA	Solid	5035	
MB 880-70210/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-70210/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-70210/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-5869-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
890-5869-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 70285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5871-1	SS01	Total/NA	Solid	Total BTEX	
890-5871-2	SS02	Total/NA	Solid	Total BTEX	
890-5871-3	SS03	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 70271

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5871-1	SS01	Total/NA	Solid	8015NM Prep	
890-5871-2	SS02	Total/NA	Solid	8015NM Prep	
890-5871-3	SS03	Total/NA	Solid	8015NM Prep	
MB 880-70271/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-70271/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-70271/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-37547-A-101-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-37547-A-101-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 70348

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5871-1	SS01	Total/NA	Solid	8015B NM	70271
890-5871-2	SS02	Total/NA	Solid	8015B NM	70271
890-5871-3	SS03	Total/NA	Solid	8015B NM	70271
MB 880-70271/1-A	Method Blank	Total/NA	Solid	8015B NM	70271
LCS 880-70271/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	70271

QC Association Summary

Client: Ensolum
Project/Site: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-5871-1
SDG: 03C1558299

GC Semi VOA (Continued)

Analysis Batch: 70348 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-70271/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	70271
880-37547-A-101-E MS	Matrix Spike	Total/NA	Solid	8015B NM	70271
880-37547-A-101-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	70271

Analysis Batch: 70420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5871-1	SS01	Total/NA	Solid	8015 NM	
890-5871-2	SS02	Total/NA	Solid	8015 NM	
890-5871-3	SS03	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 70219

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5871-1	SS01	Soluble	Solid	DI Leach	
890-5871-2	SS02	Soluble	Solid	DI Leach	
890-5871-3	SS03	Soluble	Solid	DI Leach	
MB 880-70219/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-70219/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-70219/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-5870-A-3-C MS	Matrix Spike	Soluble	Solid	DI Leach	
890-5870-A-3-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 70294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5871-1	SS01	Soluble	Solid	300.0	70219
890-5871-2	SS02	Soluble	Solid	300.0	70219
890-5871-3	SS03	Soluble	Solid	300.0	70219
MB 880-70219/1-A	Method Blank	Soluble	Solid	300.0	70219
LCS 880-70219/2-A	Lab Control Sample	Soluble	Solid	300.0	70219
LCSD 880-70219/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	70219
890-5870-A-3-C MS	Matrix Spike	Soluble	Solid	300.0	70219
890-5870-A-3-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	70219

Lab Chronicle

Client: Ensolum
Project/Site: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-5871-1
SDG: 03C1558299

Client Sample ID: SS01

Lab Sample ID: 890-5871-1
Matrix: Solid
Date Collected: 01/02/24 12:40
Date Received: 01/02/24 16:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	70210	01/04/24 13:48	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70148	01/05/24 04:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			70285	01/05/24 04:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			70420	01/06/24 18:20	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	70271	01/05/24 08:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70348	01/06/24 18:20	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	70219	01/04/24 14:25	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	70294	01/08/24 10:14	CH	EET MID

Client Sample ID: SS02

Lab Sample ID: 890-5871-2
Matrix: Solid
Date Collected: 01/02/24 12:45
Date Received: 01/02/24 16:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	70210	01/04/24 13:48	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70148	01/05/24 05:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			70285	01/05/24 05:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			70420	01/06/24 18:41	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	70271	01/05/24 08:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70348	01/06/24 18:41	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	70219	01/04/24 14:25	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	70294	01/08/24 10:19	CH	EET MID

Client Sample ID: SS03

Lab Sample ID: 890-5871-3
Matrix: Solid
Date Collected: 01/02/24 12:50
Date Received: 01/02/24 16:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	70210	01/04/24 13:48	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70148	01/05/24 05:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			70285	01/05/24 05:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			70420	01/06/24 19:02	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	70271	01/05/24 08:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70348	01/06/24 19:02	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	70219	01/04/24 14:25	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	70294	01/08/24 10:24	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum
Project/Site: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-5871-1
SDG: 03C1558299

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Ensolum
Project/Site: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-5871-1
SDG: 03C1558299

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Ensolum
Project/Site: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-5871-1
SDG: 03C1558299

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-5871-1	SS01	Solid	01/02/24 12:40	01/02/24 16:36
890-5871-2	SS02	Solid	01/02/24 12:45	01/02/24 16:36
890-5871-3	SS03	Solid	01/02/24 12:50	01/02/24 16:36

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Chain of Custody

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

Work Order No: _____

www.xenco.com Page 1 of 1

Project Manager:	Tacoma Morrissey	Bill to: (if different)	Garrett Green
Company Name:	Ensolum, LLC	Company Name:	XTO Energy
Address:	3122 National Parks Hwy	Address:	3104 E. Greene St
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Carlsbad, NM 88220
Phone:	(337) 257-8307 Email:	Email:	Garrett.Green@ExxonMobil.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Corral Canyon Expansion Battery	Turn Around	
Project Number:	03C1558299	☒ Routine ☐ Rush	
Project Location:	32.15336, -104.00022	Due Date:	5 days
Sampler's Name:	Mariaha O'Dell	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	Thermo 7
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	4.8
Total Containers:		Corrected Temperature:	4.6

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2SO_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: Chlorides	TPH	BTEX
SS01	S	1/2/23	12:40	0.5'	G	1		X	X	X
SS02	S		12:45	0.5'	G	1		↓	↓	↓
SS03	S	↓	12:50	0.5'	G	1		↓	↓	↓

890-5871 Chain of Custody

MD

Sample Comments

Incident #:
nAPP2330049344
tmorrissey@ensolum.com

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-5871-1
SDG Number: 03C1558299

Login Number: 5871
List Number: 1
Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-5871-1
SDG Number: 03C1558299

Login Number: 5871
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 01/04/24 01:31 PM

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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ANALYTICAL REPORT

PREPARED FOR

Attn: Ben Belill
Ensolum
601 N. Marienfeld St.
Suite 400
Midland, Texas 79701

Generated 2/13/2024 1:43:58 PM

JOB DESCRIPTION

Corral Canyon Expansion Battery
03C1558299

JOB NUMBER

890-6042-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

my EOL

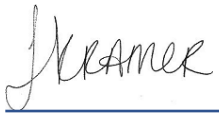
Eurofins Carlsbad

Job Notes

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

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

Authorization



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

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Laboratory Job ID: 890-6042-1
SDG: 03C1558299

Table of Contents

Definitions/Glossary

Client: Ensolum Job ID: 890-6042-1
Project/Site: Corral Canyon Expansion Battery SDG: 03C1558299

Qualifiers

GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: Ensolum Job ID: 890-6042-1
Project: Corral Canyon Expansion Battery

Job ID: 890-6042-1 Eurofins Carlsbad

Job Narrative
890-6042-1

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

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

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

Receipt
The samples were received on 1/26/2024 3:36 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.4°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: PH01 (890-6042-1), PH02 (890-6042-2), PH03 (890-6042-3) and PH04 (890-6042-4).

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

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following samples were outside the upper control limit: PH02 (890-6042-2), PH03 (890-6042-3) and PH04 (890-6042-4). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

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

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
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6042-1
SDG: 03C1558299

Client Sample ID: PH01

Lab Sample ID: 890-6042-1
Matrix: Solid
Date Collected: 01/25/24 13:00
Date Received: 01/26/24 15:36
Sample Depth: 4

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/01/24 10:42	02/05/24 12:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/01/24 10:42	02/05/24 12:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/01/24 10:42	02/05/24 12:26	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/01/24 10:42	02/05/24 12:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/01/24 10:42	02/05/24 12:26	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/01/24 10:42	02/05/24 12:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*02/01/24 10:42*	*02/05/24 12:26*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*02/01/24 10:42*	*02/05/24 12:26*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/05/24 12:26	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			02/03/24 23:18	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.1	U	50.1		mg/Kg		01/30/24 14:46	02/03/24 23:18	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		01/30/24 14:46	02/03/24 23:18	1
OII Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		01/30/24 14:46	02/03/24 23:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*116*		*70 - 130*	*01/30/24 14:46*	*02/03/24 23:18*	*1*
1-Chlorooctane	*102*		*70 - 130*	*01/30/24 14:46*	*02/03/24 23:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3860**		25.1		mg/Kg			02/03/24 16:25	5

Client Sample ID: PH02

Lab Sample ID: 890-6042-2
Matrix: Solid
Date Collected: 01/24/24 11:45
Date Received: 01/26/24 15:36
Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/01/24 10:42	02/05/24 12:47	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/01/24 10:42	02/05/24 12:47	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/01/24 10:42	02/05/24 12:47	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/01/24 10:42	02/05/24 12:47	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/01/24 10:42	02/05/24 12:47	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/01/24 10:42	02/05/24 12:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*02/01/24 10:42*	*02/05/24 12:47*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*02/01/24 10:42*	*02/05/24 12:47*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6042-1
SDG: 03C1558299

Client Sample ID: PH02

Lab Sample ID: 890-6042-2
Matrix: Solid
Date Collected: 01/24/24 11:45
Date Received: 01/26/24 15:36
Sample Depth: 1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/05/24 12:47	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			02/12/24 22:34	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.4	U	50.4		mg/Kg		01/30/24 14:46	02/12/24 22:34	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		01/30/24 14:46	02/12/24 22:34	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		01/30/24 14:46	02/12/24 22:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*176*	*S1+*	*70 - 130*	*01/30/24 14:46*	*02/12/24 22:34*	*1*
1-Chlorooctane	*153*	*S1+*	*70 - 130*	*01/30/24 14:46*	*02/12/24 22:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**204**		5.04		mg/Kg			02/03/24 16:32	1

Client Sample ID: PH03

Lab Sample ID: 890-6042-3
Matrix: Solid
Date Collected: 01/24/24 10:25
Date Received: 01/26/24 15:36
Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/01/24 10:42	02/05/24 13:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/01/24 10:42	02/05/24 13:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/01/24 10:42	02/05/24 13:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/01/24 10:42	02/05/24 13:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/01/24 10:42	02/05/24 13:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/01/24 10:42	02/05/24 13:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*02/01/24 10:42*	*02/05/24 13:07*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*02/01/24 10:42*	*02/05/24 13:07*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/05/24 13:07	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/12/24 22:55	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.0	U	50.0		mg/Kg		01/30/24 14:46	02/12/24 22:55	1

Client Sample Results

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6042-1
SDG: 03C1558299

Client Sample ID: PH03

Lab Sample ID: 890-6042-3
Matrix: Solid
Date Collected: 01/24/24 10:25
Date Received: 01/26/24 15:36
Sample Depth: 1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/30/24 14:46	02/12/24 22:55	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/30/24 14:46	02/12/24 22:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*187*	*S1+*	*70 - 130*	*01/30/24 14:46*	*02/12/24 22:55*	*1*
1-Chlorooctane	*165*	*S1+*	*70 - 130*	*01/30/24 14:46*	*02/12/24 22:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**440**		5.01		mg/Kg			02/03/24 16:53	1

Client Sample ID: PH04

Lab Sample ID: 890-6042-4
Matrix: Solid
Date Collected: 01/24/24 10:35
Date Received: 01/26/24 15:36
Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/01/24 10:42	02/05/24 13:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/01/24 10:42	02/05/24 13:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/01/24 10:42	02/05/24 13:28	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/01/24 10:42	02/05/24 13:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/01/24 10:42	02/05/24 13:28	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/01/24 10:42	02/05/24 13:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*02/01/24 10:42*	*02/05/24 13:28*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*02/01/24 10:42*	*02/05/24 13:28*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/05/24 13:28	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/12/24 23:36	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.0	U	50.0		mg/Kg		01/30/24 14:46	02/12/24 23:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/30/24 14:46	02/12/24 23:36	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/30/24 14:46	02/12/24 23:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*203*	*S1+*	*70 - 130*	*01/30/24 14:46*	*02/12/24 23:36*	*1*
1-Chlorooctane	*182*	*S1+*	*70 - 130*	*01/30/24 14:46*	*02/12/24 23:36*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6042-1
SDG: 03C1558299

Client Sample ID: PH04
Date Collected: 01/24/24 10:35
Date Received: 01/26/24 15:36
Sample Depth: 1

Lab Sample ID: 890-6042-4
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	122		5.02		mg/Kg			02/03/24 16:59	1

Surrogate Summary

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6042-1
SDG: 03C1558299

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-6042-1	PH01	84	106
890-6042-1 MS	PH01	99	97
890-6042-1 MSD	PH01	109	97
890-6042-2	PH02	111	111
890-6042-3	PH03	113	103
890-6042-4	PH04	117	107
LCS 880-72114/1-A	Lab Control Sample	107	94
LCSD 880-72114/2-A	Lab Control Sample Dup	106	94
MB 880-72114/5-A	Method Blank	129	120

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	OTPH1 (70-130)	1CO1 (70-130)
890-6042-1	PH01	116	102
890-6042-2	PH02	176 S1+	153 S1+
890-6042-3	PH03	187 S1+	165 S1+
890-6042-4	PH04	203 S1+	182 S1+
890-6044-A-1-G MS	Matrix Spike	87	88
890-6044-A-1-H MSD	Matrix Spike Duplicate	70	71
LCS 870-17960/1-A	Lab Control Sample	114	123
LCSD 870-17960/2-A	Lab Control Sample Dup	110	118
MB 870-17960/3-A	Method Blank	108	101

Surrogate Legend

OTPH = o-Terphenyl
1CO = 1-Chlorooctane

QC Sample Results

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6042-1
SDG: 03C1558299

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-72114/5-A
Matrix: Solid
Analysis Batch: 72316

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 72114

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/01/24 10:42	02/05/24 11:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/01/24 10:42	02/05/24 11:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/01/24 10:42	02/05/24 11:58	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/01/24 10:42	02/05/24 11:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/01/24 10:42	02/05/24 11:58	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/01/24 10:42	02/05/24 11:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*129*		*70 - 130*	*02/01/24 10:42*	*02/05/24 11:58*	*1*
1,4-Difluorobenzene (Surr)	*120*		*70 - 130*	*02/01/24 10:42*	*02/05/24 11:58*	*1*

Lab Sample ID: LCS 880-72114/1-A
Matrix: Solid
Analysis Batch: 72316

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 72114

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1004		mg/Kg		100	70 - 130		
Toluene			0.100	0.1048		mg/Kg		105	70 - 130		
Ethylbenzene			0.100	0.1151		mg/Kg		115	70 - 130		
m-Xylene & p-Xylene			0.200	0.2201		mg/Kg		110	70 - 130		
o-Xylene			0.100	0.1064		mg/Kg		106	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: LCSD 880-72114/2-A
Matrix: Solid
Analysis Batch: 72316

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 72114

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09665		mg/Kg		97	70 - 130	4	35
Toluene			0.100	0.1002		mg/Kg		100	70 - 130	4	35
Ethylbenzene			0.100	0.1084		mg/Kg		108	70 - 130	6	35
m-Xylene & p-Xylene			0.200	0.2192		mg/Kg		110	70 - 130	0	35
o-Xylene			0.100	0.1066		mg/Kg		107	70 - 130	0	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: 890-6042-1 MS
Matrix: Solid
Analysis Batch: 72316

Client Sample ID: PH01
Prep Type: Total/NA
Prep Batch: 72114

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.0996	0.09142		mg/Kg		92	70 - 130		
Toluene	<0.00200	U	0.0996	0.1006		mg/Kg		101	70 - 130		

QC Sample Results

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6042-1
SDG: 03C1558299

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

Lab Sample ID: 890-6042-1 MS
Matrix: Solid
Analysis Batch: 72316

Client Sample ID: PH01
Prep Type: Total/NA
Prep Batch: 72114

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.0996	0.1052		mg/Kg		106	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.199	0.2076		mg/Kg		104	70 - 130
o-Xylene	<0.00200	U	0.0996	0.09916		mg/Kg		100	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: 890-6042-1 MSD
Matrix: Solid
Analysis Batch: 72316

Client Sample ID: PH01
Prep Type: Total/NA
Prep Batch: 72114

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0990	0.09993		mg/Kg		101	70 - 130	9	35
Toluene	<0.00200	U	0.0990	0.09497		mg/Kg		96	70 - 130	6	35
Ethylbenzene	<0.00200	U	0.0990	0.1120		mg/Kg		113	70 - 130	6	35
m-Xylene & p-Xylene	<0.00401	U	0.198	0.2214		mg/Kg		112	70 - 130	6	35
o-Xylene	<0.00200	U	0.0990	0.1058		mg/Kg		107	70 - 130	7	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

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

Lab Sample ID: MB 870-17960/3-A
Matrix: Solid
Analysis Batch: 17706

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 17960

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.0	U	50.0	mg/Kg		01/30/24 14:46	02/03/24 17:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/30/24 14:46	02/03/24 17:12	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/30/24 14:46	02/03/24 17:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*108*		*70 - 130*	*01/30/24 14:46*	*02/03/24 17:12*	*1*
1-Chlorooctane	*101*		*70 - 130*	*01/30/24 14:46*	*02/03/24 17:12*	*1*

Lab Sample ID: LCS 870-17960/1-A
Matrix: Solid
Analysis Batch: 17988

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 17960

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)	1020	1171		mg/Kg		115	70 - 130
Diesel Range Organics (Over C10-C28)	1010	1092		mg/Kg		108	70 - 130

QC Sample Results

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6042-1
SDG: 03C1558299

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

Lab Sample ID: LCS 870-17960/1-A
Matrix: Solid
Analysis Batch: 17988

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 17960

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	114		70 - 130
1-Chlorooctane	123		70 - 130

Lab Sample ID: LCSD 870-17960/2-A
Matrix: Solid
Analysis Batch: 17988

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 17960

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)			1020	1106		mg/Kg		109	70 - 130	6	20
Diesel Range Organics (Over C10-C28)			1010	1163		mg/Kg		115	70 - 130	6	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
o-Terphenyl	110		70 - 130
1-Chlorooctane	118		70 - 130

Lab Sample ID: 890-6044-A-1-G MS
Matrix: Solid
Analysis Batch: 17706

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 17960

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)	<49.8	U F1	1020	652.6	F1	mg/Kg		64	70 - 130
Diesel Range Organics (Over C10-C28)	104	F1 F2	1010	889.9		mg/Kg		78	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
o-Terphenyl	87		70 - 130
1-Chlorooctane	88		70 - 130

Lab Sample ID: 890-6044-A-1-H MSD
Matrix: Solid
Analysis Batch: 17706

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 17960

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)	<49.8	U F1	1020	608.6	F1	mg/Kg		60	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	104	F1 F2	1010	720.1	F1 F2	mg/Kg		61	70 - 130	21	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	70		70 - 130
1-Chlorooctane	71		70 - 130

QC Sample Results

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6042-1
SDG: 03C1558299

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-71956/1-A
Matrix: Solid
Analysis Batch: 72172

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/03/24 15:31	1

Lab Sample ID: LCS 880-71956/2-A
Matrix: Solid
Analysis Batch: 72172

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	273.0		mg/Kg		109	90 - 110		

Lab Sample ID: LCSD 880-71956/3-A
Matrix: Solid
Analysis Batch: 72172

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	266.7		mg/Kg		107	90 - 110	2	20

Lab Sample ID: 890-6041-A-1-C MS
Matrix: Solid
Analysis Batch: 72172

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	142		248	404.5		mg/Kg		106	90 - 110		

Lab Sample ID: 890-6041-A-1-D MSD
Matrix: Solid
Analysis Batch: 72172

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	142		248	402.1		mg/Kg		105	90 - 110	1	20

QC Association Summary

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6042-1
SDG: 03C1558299

GC VOA

Prep Batch: 72114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6042-1	PH01	Total/NA	Solid	5035	
890-6042-2	PH02	Total/NA	Solid	5035	
890-6042-3	PH03	Total/NA	Solid	5035	
890-6042-4	PH04	Total/NA	Solid	5035	
MB 880-72114/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-72114/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-72114/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-6042-1 MS	PH01	Total/NA	Solid	5035	
890-6042-1 MSD	PH01	Total/NA	Solid	5035	

Analysis Batch: 72316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6042-1	PH01	Total/NA	Solid	8021B	72114
890-6042-2	PH02	Total/NA	Solid	8021B	72114
890-6042-3	PH03	Total/NA	Solid	8021B	72114
890-6042-4	PH04	Total/NA	Solid	8021B	72114
MB 880-72114/5-A	Method Blank	Total/NA	Solid	8021B	72114
LCS 880-72114/1-A	Lab Control Sample	Total/NA	Solid	8021B	72114
LCSD 880-72114/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	72114
890-6042-1 MS	PH01	Total/NA	Solid	8021B	72114
890-6042-1 MSD	PH01	Total/NA	Solid	8021B	72114

Analysis Batch: 72429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6042-1	PH01	Total/NA	Solid	Total BTEX	
890-6042-2	PH02	Total/NA	Solid	Total BTEX	
890-6042-3	PH03	Total/NA	Solid	Total BTEX	
890-6042-4	PH04	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 17706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6042-1	PH01	Total/NA	Solid	8015B NM	17960
MB 870-17960/3-A	Method Blank	Total/NA	Solid	8015B NM	17960
890-6044-A-1-G MS	Matrix Spike	Total/NA	Solid	8015B NM	17960
890-6044-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	17960

Prep Batch: 17960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6042-1	PH01	Total/NA	Solid	8015NM Prep	
890-6042-2	PH02	Total/NA	Solid	8015NM Prep	
890-6042-3	PH03	Total/NA	Solid	8015NM Prep	
890-6042-4	PH04	Total/NA	Solid	8015NM Prep	
MB 870-17960/3-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 870-17960/1-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 870-17960/2-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6044-A-1-G MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-6044-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6042-1
SDG: 03C1558299

GC Semi VOA

Analysis Batch: 17988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6042-2	PH02	Total/NA	Solid	8015B NM	17960
890-6042-3	PH03	Total/NA	Solid	8015B NM	17960
890-6042-4	PH04	Total/NA	Solid	8015B NM	17960
LCS 870-17960/1-A	Lab Control Sample	Total/NA	Solid	8015B NM	17960
LCSD 870-17960/2-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	17960

Analysis Batch: 18037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6042-1	PH01	Total/NA	Solid	8015 NM	
890-6042-2	PH02	Total/NA	Solid	8015 NM	
890-6042-3	PH03	Total/NA	Solid	8015 NM	
890-6042-4	PH04	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 71956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6042-1	PH01	Soluble	Solid	DI Leach	
890-6042-2	PH02	Soluble	Solid	DI Leach	
890-6042-3	PH03	Soluble	Solid	DI Leach	
890-6042-4	PH04	Soluble	Solid	DI Leach	
MB 880-71956/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-71956/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-71956/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-6041-A-1-C MS	Matrix Spike	Soluble	Solid	DI Leach	
890-6041-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 72172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6042-1	PH01	Soluble	Solid	300.0	71956
890-6042-2	PH02	Soluble	Solid	300.0	71956
890-6042-3	PH03	Soluble	Solid	300.0	71956
890-6042-4	PH04	Soluble	Solid	300.0	71956
MB 880-71956/1-A	Method Blank	Soluble	Solid	300.0	71956
LCS 880-71956/2-A	Lab Control Sample	Soluble	Solid	300.0	71956
LCSD 880-71956/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	71956
890-6041-A-1-C MS	Matrix Spike	Soluble	Solid	300.0	71956
890-6041-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	71956

Lab Chronicle

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6042-1
SDG: 03C1558299

Client Sample ID: PH01

Date Collected: 01/25/24 13:00
Date Received: 01/26/24 15:36

Lab Sample ID: 890-6042-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	72114	02/01/24 10:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72316	02/05/24 12:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72429	02/05/24 12:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			18037	02/03/24 23:18	CC	EET DAL
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	17960	01/30/24 14:46	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17706	02/03/24 23:18	WP	EET DAL
Soluble	Leach	DI Leach			4.98 g	50 mL	71956	01/30/24 14:18	SMC	EET MID
Soluble	Analysis	300.0		5			72172	02/03/24 16:25	CH	EET MID

Client Sample ID: PH02

Date Collected: 01/24/24 11:45
Date Received: 01/26/24 15:36

Lab Sample ID: 890-6042-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	72114	02/01/24 10:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72316	02/05/24 12:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72429	02/05/24 12:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			18037	02/12/24 22:34	CC	EET DAL
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	17960	01/30/24 14:46	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17988	02/12/24 22:34	WP	EET DAL
Soluble	Leach	DI Leach			4.96 g	50 mL	71956	01/30/24 14:18	SMC	EET MID
Soluble	Analysis	300.0		1			72172	02/03/24 16:32	CH	EET MID

Client Sample ID: PH03

Date Collected: 01/24/24 10:25
Date Received: 01/26/24 15:36

Lab Sample ID: 890-6042-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	72114	02/01/24 10:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72316	02/05/24 13:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72429	02/05/24 13:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			18037	02/12/24 22:55	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	17960	01/30/24 14:46	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17988	02/12/24 22:55	WP	EET DAL
Soluble	Leach	DI Leach			4.99 g	50 mL	71956	01/30/24 14:18	SMC	EET MID
Soluble	Analysis	300.0		1			72172	02/03/24 16:53	CH	EET MID

Client Sample ID: PH04

Date Collected: 01/24/24 10:35
Date Received: 01/26/24 15:36

Lab Sample ID: 890-6042-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	72114	02/01/24 10:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72316	02/05/24 13:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72429	02/05/24 13:28	SM	EET MID

Lab Chronicle

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6042-1
SDG: 03C1558299

Client Sample ID: PH04

Date Collected: 01/24/24 10:35
Date Received: 01/26/24 15:36

Lab Sample ID: 890-6042-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			18037	02/12/24 23:36	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	17960	01/30/24 14:46	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17988	02/12/24 23:36	WP	EET DAL
Soluble	Leach	DI Leach			4.98 g	50 mL	71956	01/30/24 14:18	SMC	EET MID
Soluble	Analysis	300.0		1			72172	02/03/24 16:59	CH	EET MID

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300

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

Accreditation/Certification Summary

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6042-1
SDG: 03C1558299

Laboratory: Eurofins Dallas

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704295-23-34	06-30-24

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Total BTEX		Solid	Total BTEX

Method Summary

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6042-1
SDG: 03C1558299

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300

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

Sample Summary

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6042-1
SDG: 03C1558299

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-6042-1	PH01	Solid	01/25/24 13:00	01/26/24 15:36	4
890-6042-2	PH02	Solid	01/24/24 11:45	01/26/24 15:36	1
890-6042-3	PH03	Solid	01/24/24 10:25	01/26/24 15:36	1
890-6042-4	PH04	Solid	01/24/24 10:35	01/26/24 15:36	1

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Chain of Custody

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

Work Order No: 6042

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Project Manager:	Ben Belill	Bill to: (if different)	Garrett Green
Company Name:	Ensolum	Company Name:	XTO Energy
Address:	3122 National Parks Hwy	Address:	3104 E. Green St.
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Carlsbad, NM 88220
Phone:	303-887-2946	Email:	Garrett.Green@ExxonMobil.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Corral Canyon Expansion Battery	Turn Around	☑ Routine ☐ Rush
Project Number:	03C1558299	Due Date:	
Project Location:		TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Connor Whitman		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	TM-007
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	4.6
Total Containers:		Corrected Temperature:	4.4

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: CHLORIDES (EPA: 3000.0)	TPH (8015)	BTEX (8021)
PH01	S	1/25/24	1300	4	G	1				
PH02		1/24/24	1145	1		1				
PH03			1025	1		1				
PH04	↓	↓	1035	1	↓	1				

CW

Preservative Codes

None: NO DI Water: H_2O
Cool: Cool MeOH: Me
~~HCL: HC~~ ~~HNO_3: HN~~
H_2SO_4: H_2 NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Comments

Incident ID: NAPP2330049344

Cost Center: 1056571001

AFE:

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		15:36 1/26	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Phone: 432-704-5440

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer, Jessica	Carrier Tracking No(s):	COC No: 880-9089.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Jessica.Kramer@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-6042-1
Address: 9701 Harry Hines Blvd, ,	Due Date Requested: 2/1/2024			
City: Dallas	TAT Requested (days):			
State, Zip: TX, 75220				
Phone: 214-902-0300(Tel)	PO #:			
Email:	WO #:			
Project Name: Corral Canyon Expansion Battery	Project #: 89000093			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MOD_NM/8015NM_S_Prep	8015MOD_Calc	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
PH01 (890-6042-1)	1/25/24	13:00 Mountain		Solid			X	X	1	
PH02 (890-6042-2)	1/24/24	11:45 Mountain		Solid			X	X	1	
PH03 (890-6042-3)	1/24/24	10:25 Mountain		Solid			X	X	1	
PH04 (890-6042-4)	1/24/24	10:35 Mountain		Solid			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
				FedEx		
	Relinquished by: FedEx	Date/Time: 2/2/24 932	Company	Received by:	Date/Time: 2/2/24 932	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-6042-1
SDG Number: 03C1558299

Login Number: 6042
List Number: 1
Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-6042-1
SDG Number: 03C1558299

Login Number: 6042
List Number: 3
Creator: Dabinett, Ian

List Source: Eurofins Dallas
List Creation: 02/02/24 12:43 PM

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.	False	COC not relinquished.
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-6042-1
SDG Number: 03C1558299

Login Number: 6042
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 01/30/24 10:34 AM

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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ANALYTICAL REPORT

PREPARED FOR

Attn: Ben Belill
Ensolum
601 N. Marienfeld St.
Suite 400
Midland, Texas 79701

Generated 2/13/2024 1:30:07 PM

JOB DESCRIPTION

Corral Canyon Expansion Battery
03C1558299

JOB NUMBER

890-6043-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

my EOL

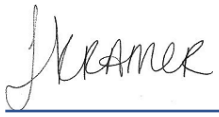
Eurofins Carlsbad

Job Notes

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

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

Authorization



Generated
2/13/2024 1:30:07 PM

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

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Laboratory Job ID: 890-6043-1
SDG: 03C1558299

Table of Contents

Definitions/Glossary

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6043-1
SDG: 03C1558299

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: Ensolum Job ID: 890-6043-1
Project: Corral Canyon Expansion Battery

Job ID: 890-6043-1 Eurofins Carlsbad

Job Narrative
890-6043-1

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

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

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

Receipt
The samples were received on 1/26/2024 3:36 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.4°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: FS10 (890-6043-1), FS11 (890-6043-2), FS12 (890-6043-3), FS13 (890-6043-4), FS14 (890-6043-5), SW03 (890-6043-6), FS15 (890-6043-7) and SW04 (890-6043-8).

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: FS12 (890-6043-3), (CCV 880-72622/2) and (880-38508-A-1-E MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike (MS) recoveries for preparation batch 880-72418 and analytical batch 880-72622 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: SW04 (890-6043-8). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The laboratory control sample duplicate (LCSD) for preparation batch 880-72700 and analytical batch 880-72706 recovered outside control limits for the following analytes: Ethylbenzene and m-Xylene & p-Xylene. Since only an acceptable LCS is required per the method, the data has been qualified and reported.

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-72700 and analytical batch 880-72706 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA
Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 870-17961 and analytical batch 870-17988 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside the upper control limit: FS10 (890-6043-1), FS11 (890-6043-2), FS12 (890-6043-3), FS13 (890-6043-4), FS14 (890-6043-5), SW03 (890-6043-6), FS15 (890-6043-7) and SW04 (890-6043-8). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (890-6043-A-1-I MS) and (890-6043-A-1-J MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Eurofins Carlsbad

Case Narrative

Client: Ensolum Job ID: 890-6043-1
Project: Corral Canyon Expansion Battery

Job ID: 890-6043-1 (Continued) Eurofins Carlsbad

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
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6043-1
SDG: 03C1558299

Client Sample ID: FS10

Date Collected: 01/26/24 10:00
Date Received: 01/26/24 15:36
Sample Depth: 1

Lab Sample ID: 890-6043-1
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/05/24 16:00	02/08/24 16:05	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/05/24 16:00	02/08/24 16:05	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/05/24 16:00	02/08/24 16:05	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		02/05/24 16:00	02/08/24 16:05	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		02/05/24 16:00	02/08/24 16:05	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		02/05/24 16:00	02/08/24 16:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*02/05/24 16:00*	*02/08/24 16:05*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*02/05/24 16:00*	*02/08/24 16:05*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/08/24 16:05	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/13/24 01:40	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.9	U	49.9		mg/Kg		01/30/24 14:51	02/13/24 01:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1	49.9		mg/Kg		01/30/24 14:51	02/13/24 01:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/30/24 14:51	02/13/24 01:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*196*	*S1+*	*70 - 130*	*01/30/24 14:51*	*02/13/24 01:40*	*1*
1-Chlorooctane	*168*	*S1+*	*70 - 130*	*01/30/24 14:51*	*02/13/24 01:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**175**		4.97		mg/Kg			02/03/24 17:06	1

Client Sample ID: FS11

Date Collected: 01/26/24 10:05
Date Received: 01/26/24 15:36
Sample Depth: 1

Lab Sample ID: 890-6043-2
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/05/24 16:00	02/08/24 16:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/05/24 16:00	02/08/24 16:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/05/24 16:00	02/08/24 16:31	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		02/05/24 16:00	02/08/24 16:31	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		02/05/24 16:00	02/08/24 16:31	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		02/05/24 16:00	02/08/24 16:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*129*		*70 - 130*	*02/05/24 16:00*	*02/08/24 16:31*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*02/05/24 16:00*	*02/08/24 16:31*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6043-1
SDG: 03C1558299

Client Sample ID: FS11

Lab Sample ID: 890-6043-2
Matrix: Solid
Date Collected: 01/26/24 10:05
Date Received: 01/26/24 15:36
Sample Depth: 1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/08/24 16:31	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/13/24 02:42	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.7	U	49.7		mg/Kg		01/30/24 14:51	02/13/24 02:42	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		01/30/24 14:51	02/13/24 02:42	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		01/30/24 14:51	02/13/24 02:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*177*	*S1+*	*70 - 130*	*01/30/24 14:51*	*02/13/24 02:42*	*1*
1-Chlorooctane	*153*	*S1+*	*70 - 130*	*01/30/24 14:51*	*02/13/24 02:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**167**		4.97		mg/Kg			02/03/24 17:13	1

Client Sample ID: FS12

Lab Sample ID: 890-6043-3
Matrix: Solid
Date Collected: 01/26/24 10:15
Date Received: 01/26/24 15:36
Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/05/24 16:00	02/08/24 16:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/05/24 16:00	02/08/24 16:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/05/24 16:00	02/08/24 16:58	1
m-Xylene & p-Xylene	<0.00399	U *+	0.00399		mg/Kg		02/05/24 16:00	02/08/24 16:58	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		02/05/24 16:00	02/08/24 16:58	1
Xylenes, Total	<0.00399	U *+	0.00399		mg/Kg		02/05/24 16:00	02/08/24 16:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*159*	*S1+*	*70 - 130*	*02/05/24 16:00*	*02/08/24 16:58*	*1*
1,4-Difluorobenzene (Surr)	*130*		*70 - 130*	*02/05/24 16:00*	*02/08/24 16:58*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/08/24 16:58	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/13/24 03:23	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.0	U	50.0		mg/Kg		01/30/24 14:51	02/13/24 03:23	1

Client Sample Results

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6043-1
SDG: 03C1558299

Client Sample ID: FS12

Lab Sample ID: 890-6043-3
Matrix: Solid
Date Collected: 01/26/24 10:15
Date Received: 01/26/24 15:36
Sample Depth: 1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/30/24 14:51	02/13/24 03:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/30/24 14:51	02/13/24 03:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*178*	*S1+*	*70 - 130*	*01/30/24 14:51*	*02/13/24 03:23*	*1*
1-Chlorooctane	*153*	*S1+*	*70 - 130*	*01/30/24 14:51*	*02/13/24 03:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**183**		5.02		mg/Kg			02/03/24 17:20	1

Client Sample ID: FS13

Lab Sample ID: 890-6043-4
Matrix: Solid
Date Collected: 01/26/24 10:20
Date Received: 01/26/24 15:36
Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/09/24 08:20	02/09/24 11:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/09/24 08:20	02/09/24 11:30	1
Ethylbenzene	<0.00199	U *+ F1	0.00199		mg/Kg		02/09/24 08:20	02/09/24 11:30	1
m-Xylene & p-Xylene	<0.00398	U *+ F1	0.00398		mg/Kg		02/09/24 08:20	02/09/24 11:30	1
o-Xylene	<0.00199	U F1	0.00199		mg/Kg		02/09/24 08:20	02/09/24 11:30	1
Xylenes, Total	<0.00398	U *+ F1	0.00398		mg/Kg		02/09/24 08:20	02/09/24 11:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*70 - 130*	*02/09/24 08:20*	*02/09/24 11:30*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*02/09/24 08:20*	*02/09/24 11:30*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/09/24 11:30	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			02/13/24 03:43	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.3	U	50.3		mg/Kg		01/30/24 14:51	02/13/24 03:43	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		01/30/24 14:51	02/13/24 03:43	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		01/30/24 14:51	02/13/24 03:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*198*	*S1+*	*70 - 130*	*01/30/24 14:51*	*02/13/24 03:43*	*1*
1-Chlorooctane	*172*	*S1+*	*70 - 130*	*01/30/24 14:51*	*02/13/24 03:43*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6043-1
SDG: 03C1558299

Client Sample ID: FS13
Date Collected: 01/26/24 10:20
Date Received: 01/26/24 15:36
Sample Depth: 1

Lab Sample ID: 890-6043-4
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	185		5.03		mg/Kg			02/03/24 17:27	1

Client Sample ID: FS14
Date Collected: 01/26/24 10:25
Date Received: 01/26/24 15:36
Sample Depth: 1

Lab Sample ID: 890-6043-5
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/09/24 08:20	02/09/24 11:50	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/09/24 08:20	02/09/24 11:50	1
Ethylbenzene	<0.00198	U *+	0.00198		mg/Kg		02/09/24 08:20	02/09/24 11:50	1
m-Xylene & p-Xylene	<0.00396	U *+	0.00396		mg/Kg		02/09/24 08:20	02/09/24 11:50	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/09/24 08:20	02/09/24 11:50	1
Xylenes, Total	<0.00396	U *+	0.00396		mg/Kg		02/09/24 08:20	02/09/24 11:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*	*02/09/24 08:20*	*02/09/24 11:50*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*02/09/24 08:20*	*02/09/24 11:50*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/09/24 11:50	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			02/13/24 04:04	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.2	U	50.2		mg/Kg		01/30/24 14:51	02/13/24 04:04	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		01/30/24 14:51	02/13/24 04:04	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		01/30/24 14:51	02/13/24 04:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*185*	*S1+*	*70 - 130*	*01/30/24 14:51*	*02/13/24 04:04*	*1*
1-Chlorooctane	*160*	*S1+*	*70 - 130*	*01/30/24 14:51*	*02/13/24 04:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	180		4.98		mg/Kg			02/03/24 17:47	1

Client Sample ID: SW03
Date Collected: 01/26/24 10:30
Date Received: 01/26/24 15:36
Sample Depth: 0-1

Lab Sample ID: 890-6043-6
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/09/24 08:20	02/09/24 12:11	1

Client Sample Results

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6043-1
SDG: 03C1558299

Client Sample ID: SW03

Date Collected: 01/26/24 10:30
Date Received: 01/26/24 15:36
Sample Depth: 0-1

Lab Sample ID: 890-6043-6
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.00202	U	0.00202		mg/Kg		02/09/24 08:20	02/09/24 12:11	1
Ethylbenzene	<0.00202	U *+	0.00202		mg/Kg		02/09/24 08:20	02/09/24 12:11	1
m-Xylene & p-Xylene	<0.00404	U *+	0.00404		mg/Kg		02/09/24 08:20	02/09/24 12:11	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/09/24 08:20	02/09/24 12:11	1
Xylenes, Total	<0.00404	U *+	0.00404		mg/Kg		02/09/24 08:20	02/09/24 12:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*70 - 130*	*02/09/24 08:20*	*02/09/24 12:11*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*02/09/24 08:20*	*02/09/24 12:11*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			02/09/24 12:11	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			02/13/24 04:25	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.4	U	50.4		mg/Kg		01/30/24 14:51	02/13/24 04:25	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		01/30/24 14:51	02/13/24 04:25	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		01/30/24 14:51	02/13/24 04:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*199*	*S1+*	*70 - 130*	*01/30/24 14:51*	*02/13/24 04:25*	*1*
1-Chlorooctane	*172*	*S1+*	*70 - 130*	*01/30/24 14:51*	*02/13/24 04:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**194**		4.99		mg/Kg			02/03/24 17:54	1

Client Sample ID: FS15

Date Collected: 01/26/24 12:35
Date Received: 01/26/24 15:36
Sample Depth: 4

Lab Sample ID: 890-6043-7
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/09/24 08:20	02/09/24 12:32	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/09/24 08:20	02/09/24 12:32	1
Ethylbenzene	<0.00201	U *+	0.00201		mg/Kg		02/09/24 08:20	02/09/24 12:32	1
m-Xylene & p-Xylene	<0.00402	U *+	0.00402		mg/Kg		02/09/24 08:20	02/09/24 12:32	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/09/24 08:20	02/09/24 12:32	1
Xylenes, Total	<0.00402	U *+	0.00402		mg/Kg		02/09/24 08:20	02/09/24 12:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*	*02/09/24 08:20*	*02/09/24 12:32*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*02/09/24 08:20*	*02/09/24 12:32*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6043-1
SDG: 03C1558299

Client Sample ID: FS15

Lab Sample ID: 890-6043-7
Matrix: Solid
Date Collected: 01/26/24 12:35
Date Received: 01/26/24 15:36
Sample Depth: 4

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/09/24 12:32	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			02/13/24 04:45	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.5	U	50.5		mg/Kg		01/30/24 14:51	02/13/24 04:45	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		01/30/24 14:51	02/13/24 04:45	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		01/30/24 14:51	02/13/24 04:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*208*	*S1+*	*70 - 130*	*01/30/24 14:51*	*02/13/24 04:45*	*1*
1-Chlorooctane	*181*	*S1+*	*70 - 130*	*01/30/24 14:51*	*02/13/24 04:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**267**		5.04		mg/Kg			02/03/24 18:14	1

Client Sample ID: SW04

Lab Sample ID: 890-6043-8
Matrix: Solid
Date Collected: 01/26/24 12:40
Date Received: 01/26/24 15:36
Sample Depth: 0-4

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/09/24 08:20	02/09/24 12:52	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/09/24 08:20	02/09/24 12:52	1
Ethylbenzene	<0.00202	U *+	0.00202		mg/Kg		02/09/24 08:20	02/09/24 12:52	1
m-Xylene & p-Xylene	<0.00403	U *+	0.00403		mg/Kg		02/09/24 08:20	02/09/24 12:52	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/09/24 08:20	02/09/24 12:52	1
Xylenes, Total	<0.00403	U *+	0.00403		mg/Kg		02/09/24 08:20	02/09/24 12:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*70 - 130*	*02/09/24 08:20*	*02/09/24 12:52*	*1*
1,4-Difluorobenzene (Surr)	*65*	*S1-*	*70 - 130*	*02/09/24 08:20*	*02/09/24 12:52*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			02/09/24 12:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/13/24 05:05	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.0	U	50.0		mg/Kg		01/30/24 14:51	02/13/24 05:05	1

Client Sample Results

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6043-1
SDG: 03C1558299

Client Sample ID: SW04

Date Collected: 01/26/24 12:40
Date Received: 01/26/24 15:36
Sample Depth: 0-4

Lab Sample ID: 890-6043-8

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/30/24 14:51	02/13/24 05:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/30/24 14:51	02/13/24 05:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*197*	*S1+*	*70 - 130*	*01/30/24 14:51*	*02/13/24 05:05*	*1*
1-Chlorooctane	*170*	*S1+*	*70 - 130*	*01/30/24 14:51*	*02/13/24 05:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**322**		5.02		mg/Kg			02/03/24 18:21	1

Surrogate Summary

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6043-1
SDG: 03C1558299

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-38508-A-1-D MS	Matrix Spike	105	103
880-38508-A-1-E MSD	Matrix Spike Duplicate	177 S1+	103
890-6043-1	FS10	92	77
890-6043-2	FS11	129	86
890-6043-3	FS12	159 S1+	130
890-6043-4	FS13	77	79
890-6043-4 MS	FS13	116	96
890-6043-4 MSD	FS13	115	94
890-6043-5	FS14	83	81
890-6043-6	SW03	81	79
890-6043-7	FS15	83	80
890-6043-8	SW04	81	65 S1-
LCS 880-72418/1-A	Lab Control Sample	116	73
LCS 880-72700/1-A	Lab Control Sample	119	94
LCSD 880-72418/2-A	Lab Control Sample Dup	126	81
LCSD 880-72700/2-A	Lab Control Sample Dup	121	91
MB 880-72418/5-A	Method Blank	89	122
MB 880-72700/5-A	Method Blank	73	78

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	OTPH1 (70-130)	1CO1 (70-130)
890-6043-1	FS10	196 S1+	168 S1+
890-6043-1 MS	FS10	157 S1+	154 S1+
890-6043-1 MSD	FS10	158 S1+	157 S1+
890-6043-2	FS11	177 S1+	153 S1+
890-6043-3	FS12	178 S1+	153 S1+
890-6043-4	FS13	198 S1+	172 S1+
890-6043-5	FS14	185 S1+	160 S1+
890-6043-6	SW03	199 S1+	172 S1+
890-6043-7	FS15	208 S1+	181 S1+
890-6043-8	SW04	197 S1+	170 S1+

Surrogate Legend

OTPH = o-Terphenyl
1CO = 1-Chlorooctane

QC Sample Results

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6043-1
SDG: 03C1558299

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-72418/5-A
Matrix: Solid
Analysis Batch: 72622

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 72418

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/05/24 16:00	02/08/24 13:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/05/24 16:00	02/08/24 13:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/05/24 16:00	02/08/24 13:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/05/24 16:00	02/08/24 13:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/05/24 16:00	02/08/24 13:26	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/05/24 16:00	02/08/24 13:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*02/05/24 16:00*	*02/08/24 13:26*	*1*
1,4-Difluorobenzene (Surr)	*122*		*70 - 130*	*02/05/24 16:00*	*02/08/24 13:26*	*1*

Lab Sample ID: LCS 880-72418/1-A
Matrix: Solid
Analysis Batch: 72622

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 72418

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08382		mg/Kg		84	70 - 130		
Toluene			0.100	0.09013		mg/Kg		90	70 - 130		
Ethylbenzene			0.100	0.09669		mg/Kg		97	70 - 130		
m-Xylene & p-Xylene			0.200	0.2167		mg/Kg		108	70 - 130		
o-Xylene			0.100	0.1044		mg/Kg		104	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*

Lab Sample ID: LCSD 880-72418/2-A
Matrix: Solid
Analysis Batch: 72622

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 72418

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08616		mg/Kg		86	70 - 130	3	35
Toluene			0.100	0.1093		mg/Kg		109	70 - 130	19	35
Ethylbenzene			0.100	0.09912		mg/Kg		99	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.2337		mg/Kg		117	70 - 130	8	35
o-Xylene			0.100	0.1196		mg/Kg		120	70 - 130	14	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*

Lab Sample ID: 880-38508-A-1-D MS
Matrix: Solid
Analysis Batch: 72622

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 72418

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U F2 F1	0.0996	0.03697	F1	mg/Kg		37	70 - 130		
Toluene	<0.00200	U F2 F1	0.0996	0.03544	F1	mg/Kg		36	70 - 130		

QC Sample Results

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6043-1
SDG: 03C1558299

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

Lab Sample ID: 880-38508-A-1-D MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 72622 — **Prep Batch: 72418**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U F2 F1	0.0996	0.03080	F1	mg/Kg		31	70 - 130
m-Xylene & p-Xylene	<0.00401	U F2 F1 * +	0.199	0.05892	F1	mg/Kg		30	70 - 130
o-Xylene	<0.00200	U F2 F1 * +	0.0996	0.04415	F1	mg/Kg		44	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 880-38508-A-1-E MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 72622 — **Prep Batch: 72418**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F2 F1	0.0990	0.1059	F2	mg/Kg		107	70 - 130	97	35
Toluene	<0.00200	U F2 F1	0.0990	0.09447	F2	mg/Kg		95	70 - 130	91	35
Ethylbenzene	<0.00200	U F2 F1	0.0990	0.1057	F2	mg/Kg		107	70 - 130	110	35
m-Xylene & p-Xylene	<0.00401	U F2 F1 * +	0.198	0.2435	F2	mg/Kg		123	70 - 130	122	35
o-Xylene	<0.00200	U F2 F1 * +	0.0990	0.1149	F2	mg/Kg		116	70 - 130	89	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*177*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: MB 880-72700/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 72706 — **Prep Batch: 72700**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/09/24 08:20	02/09/24 11:08	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/09/24 08:20	02/09/24 11:08	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/09/24 08:20	02/09/24 11:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		02/09/24 08:20	02/09/24 11:08	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/09/24 08:20	02/09/24 11:08	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/09/24 08:20	02/09/24 11:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*73*		*70 - 130*	*02/09/24 08:20*	*02/09/24 11:08*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*02/09/24 08:20*	*02/09/24 11:08*	*1*

Lab Sample ID: LCS 880-72700/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 72706 — **Prep Batch: 72700**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1059		mg/Kg		106	70 - 130

QC Sample Results

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6043-1
SDG: 03C1558299

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

Lab Sample ID: LCS 880-72700/1-A
Matrix: Solid
Analysis Batch: 72706

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 72700

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Toluene			0.100	0.1098		mg/Kg		110	70 - 130		
Ethylbenzene			0.100	0.1224		mg/Kg		122	70 - 130		
m-Xylene & p-Xylene			0.200	0.2501		mg/Kg		125	70 - 130		
o-Xylene			0.100	0.1194		mg/Kg		119	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: LCSD 880-72700/2-A
Matrix: Solid
Analysis Batch: 72706

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 72700

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1098		mg/Kg		110	70 - 130	4	35
Toluene			0.100	0.1194		mg/Kg		119	70 - 130	8	35
Ethylbenzene			0.100	0.1366	*+	mg/Kg		137	70 - 130	11	35
m-Xylene & p-Xylene			0.200	0.2705	*+	mg/Kg		135	70 - 130	8	35
o-Xylene			0.100	0.1290		mg/Kg		129	70 - 130	8	35

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

Lab Sample ID: 890-6043-4 MS
Matrix: Solid
Analysis Batch: 72706

Client Sample ID: FS13
Prep Type: Total/NA
Prep Batch: 72700

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U	0.100	0.1047		mg/Kg		105	70 - 130		
Toluene	<0.00199	U	0.100	0.1112		mg/Kg		111	70 - 130		
Ethylbenzene	<0.00199	U *+ F1	0.100	0.1270		mg/Kg		127	70 - 130		
m-Xylene & p-Xylene	<0.00398	U *+ F1	0.200	0.2580		mg/Kg		129	70 - 130		
o-Xylene	<0.00199	U F1	0.100	0.1255		mg/Kg		125	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: 890-6043-4 MSD
Matrix: Solid
Analysis Batch: 72706

Client Sample ID: FS13
Prep Type: Total/NA
Prep Batch: 72700

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.101	0.1048		mg/Kg		104	70 - 130	0	35
Toluene	<0.00199	U	0.101	0.1174		mg/Kg		117	70 - 130	5	35
Ethylbenzene	<0.00199	U *+ F1	0.101	0.1360	F1	mg/Kg		135	70 - 130	7	35
m-Xylene & p-Xylene	<0.00398	U *+ F1	0.201	0.2721	F1	mg/Kg		135	70 - 130	5	35

QC Sample Results

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6043-1
SDG: 03C1558299

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

Lab Sample ID: 890-6043-4 MSD — **Client Sample ID: FS13**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 72706 — **Prep Batch: 72700**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
o-Xylene	<0.00199	U F1	0.101	0.1321	F1	mg/Kg		131	70 - 130	5	35

Surrogate	*MSD %Recovery*	*MSD 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: 890-6043-1 MS — **Client Sample ID: FS10**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 17988 — **Prep Batch: 17961**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)	<49.9	U	1030	1084		mg/Kg		106	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U F1	1020	1658	F1	mg/Kg		160	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
o-Terphenyl	*157*	*S1+*	*70 - 130*
1-Chlorooctane	*154*	*S1+*	*70 - 130*

Lab Sample ID: 890-6043-1 MSD — **Client Sample ID: FS10**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 17988 — **Prep Batch: 17961**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)	<49.9	U	1030	1151		mg/Kg		112	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	1020	1675	F1	mg/Kg		161	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
o-Terphenyl	*158*	*S1+*	*70 - 130*
1-Chlorooctane	*157*	*S1+*	*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-71956/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 72172

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/03/24 15:31	1

Lab Sample ID: LCS 880-71956/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 72172

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride			250	273.0		mg/Kg		109	90 - 110

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QC Sample Results

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6043-1
SDG: 03C1558299

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-71956/3-A
Matrix: Solid
Analysis Batch: 72172

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	266.7		mg/Kg		107	90 - 110	2	20

Lab Sample ID: 890-6043-4 MS
Matrix: Solid
Analysis Batch: 72172

Client Sample ID: FS13
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	185		252	456.6		mg/Kg		108	90 - 110		

Lab Sample ID: 890-6043-4 MSD
Matrix: Solid
Analysis Batch: 72172

Client Sample ID: FS13
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	185		252	454.7		mg/Kg		107	90 - 110	0	20

QC Association Summary

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6043-1
SDG: 03C1558299

GC VOA

Prep Batch: 72418

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6043-1	FS10	Total/NA	Solid	5035	
890-6043-2	FS11	Total/NA	Solid	5035	
890-6043-3	FS12	Total/NA	Solid	5035	
MB 880-72418/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-72418/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-72418/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-38508-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
880-38508-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 72622

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6043-1	FS10	Total/NA	Solid	8021B	72418
890-6043-2	FS11	Total/NA	Solid	8021B	72418
890-6043-3	FS12	Total/NA	Solid	8021B	72418
MB 880-72418/5-A	Method Blank	Total/NA	Solid	8021B	72418
LCS 880-72418/1-A	Lab Control Sample	Total/NA	Solid	8021B	72418
LCSD 880-72418/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	72418
880-38508-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	72418
880-38508-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	72418

Prep Batch: 72700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6043-4	FS13	Total/NA	Solid	5035	
890-6043-5	FS14	Total/NA	Solid	5035	
890-6043-6	SW03	Total/NA	Solid	5035	
890-6043-7	FS15	Total/NA	Solid	5035	
890-6043-8	SW04	Total/NA	Solid	5035	
MB 880-72700/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-72700/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-72700/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-6043-4 MS	FS13	Total/NA	Solid	5035	
890-6043-4 MSD	FS13	Total/NA	Solid	5035	

Analysis Batch: 72706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6043-4	FS13	Total/NA	Solid	8021B	72700
890-6043-5	FS14	Total/NA	Solid	8021B	72700
890-6043-6	SW03	Total/NA	Solid	8021B	72700
890-6043-7	FS15	Total/NA	Solid	8021B	72700
890-6043-8	SW04	Total/NA	Solid	8021B	72700
MB 880-72700/5-A	Method Blank	Total/NA	Solid	8021B	72700
LCS 880-72700/1-A	Lab Control Sample	Total/NA	Solid	8021B	72700
LCSD 880-72700/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	72700
890-6043-4 MS	FS13	Total/NA	Solid	8021B	72700
890-6043-4 MSD	FS13	Total/NA	Solid	8021B	72700

Analysis Batch: 72741

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6043-1	FS10	Total/NA	Solid	Total BTEX	
890-6043-2	FS11	Total/NA	Solid	Total BTEX	
890-6043-3	FS12	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6043-1
SDG: 03C1558299

GC VOA (Continued)

Analysis Batch: 72741 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6043-4	FS13	Total/NA	Solid	Total BTEX	
890-6043-5	FS14	Total/NA	Solid	Total BTEX	
890-6043-6	SW03	Total/NA	Solid	Total BTEX	
890-6043-7	FS15	Total/NA	Solid	Total BTEX	
890-6043-8	SW04	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 17961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6043-1	FS10	Total/NA	Solid	8015NM Prep	
890-6043-2	FS11	Total/NA	Solid	8015NM Prep	
890-6043-3	FS12	Total/NA	Solid	8015NM Prep	
890-6043-4	FS13	Total/NA	Solid	8015NM Prep	
890-6043-5	FS14	Total/NA	Solid	8015NM Prep	
890-6043-6	SW03	Total/NA	Solid	8015NM Prep	
890-6043-7	FS15	Total/NA	Solid	8015NM Prep	
890-6043-8	SW04	Total/NA	Solid	8015NM Prep	
890-6043-1 MS	FS10	Total/NA	Solid	8015NM Prep	
890-6043-1 MSD	FS10	Total/NA	Solid	8015NM Prep	

Analysis Batch: 17988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6043-1	FS10	Total/NA	Solid	8015B NM	17961
890-6043-2	FS11	Total/NA	Solid	8015B NM	17961
890-6043-3	FS12	Total/NA	Solid	8015B NM	17961
890-6043-4	FS13	Total/NA	Solid	8015B NM	17961
890-6043-5	FS14	Total/NA	Solid	8015B NM	17961
890-6043-6	SW03	Total/NA	Solid	8015B NM	17961
890-6043-7	FS15	Total/NA	Solid	8015B NM	17961
890-6043-8	SW04	Total/NA	Solid	8015B NM	17961
890-6043-1 MS	FS10	Total/NA	Solid	8015B NM	17961
890-6043-1 MSD	FS10	Total/NA	Solid	8015B NM	17961

Analysis Batch: 18039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6043-1	FS10	Total/NA	Solid	8015 NM	
890-6043-2	FS11	Total/NA	Solid	8015 NM	
890-6043-3	FS12	Total/NA	Solid	8015 NM	
890-6043-4	FS13	Total/NA	Solid	8015 NM	
890-6043-5	FS14	Total/NA	Solid	8015 NM	
890-6043-6	SW03	Total/NA	Solid	8015 NM	
890-6043-7	FS15	Total/NA	Solid	8015 NM	
890-6043-8	SW04	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 71956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6043-1	FS10	Soluble	Solid	DI Leach	
890-6043-2	FS11	Soluble	Solid	DI Leach	
890-6043-3	FS12	Soluble	Solid	DI Leach	

QC Association Summary

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6043-1
SDG: 03C1558299

HPLC/IC (Continued)

Leach Batch: 71956 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6043-4	FS13	Soluble	Solid	DI Leach	
890-6043-5	FS14	Soluble	Solid	DI Leach	
890-6043-6	SW03	Soluble	Solid	DI Leach	
890-6043-7	FS15	Soluble	Solid	DI Leach	
890-6043-8	SW04	Soluble	Solid	DI Leach	
MB 880-71956/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-71956/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-71956/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-6043-4 MS	FS13	Soluble	Solid	DI Leach	
890-6043-4 MSD	FS13	Soluble	Solid	DI Leach	

Analysis Batch: 72172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6043-1	FS10	Soluble	Solid	300.0	71956
890-6043-2	FS11	Soluble	Solid	300.0	71956
890-6043-3	FS12	Soluble	Solid	300.0	71956
890-6043-4	FS13	Soluble	Solid	300.0	71956
890-6043-5	FS14	Soluble	Solid	300.0	71956
890-6043-6	SW03	Soluble	Solid	300.0	71956
890-6043-7	FS15	Soluble	Solid	300.0	71956
890-6043-8	SW04	Soluble	Solid	300.0	71956
MB 880-71956/1-A	Method Blank	Soluble	Solid	300.0	71956
LCS 880-71956/2-A	Lab Control Sample	Soluble	Solid	300.0	71956
LCSD 880-71956/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	71956
890-6043-4 MS	FS13	Soluble	Solid	300.0	71956
890-6043-4 MSD	FS13	Soluble	Solid	300.0	71956

Lab Chronicle

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6043-1
SDG: 03C1558299

Client Sample ID: FS10
Date Collected: 01/26/24 10:00
Date Received: 01/26/24 15:36

Lab Sample ID: 890-6043-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	72418	02/05/24 16:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72622	02/08/24 16:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72741	02/08/24 16:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			18039	02/13/24 01:40	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	17961	01/30/24 14:51	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17988	02/13/24 01:40	WP	EET DAL
Soluble	Leach	DI Leach			5.03 g	50 mL	71956	01/30/24 14:18	SMC	EET MID
Soluble	Analysis	300.0		1			72172	02/03/24 17:06	CH	EET MID

Client Sample ID: FS11
Date Collected: 01/26/24 10:05
Date Received: 01/26/24 15:36

Lab Sample ID: 890-6043-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	72418	02/05/24 16:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72622	02/08/24 16:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72741	02/08/24 16:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			18039	02/13/24 02:42	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	17961	01/30/24 14:51	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17988	02/13/24 02:42	WP	EET DAL
Soluble	Leach	DI Leach			5.03 g	50 mL	71956	01/30/24 14:18	SMC	EET MID
Soluble	Analysis	300.0		1			72172	02/03/24 17:13	CH	EET MID

Client Sample ID: FS12
Date Collected: 01/26/24 10:15
Date Received: 01/26/24 15:36

Lab Sample ID: 890-6043-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	72418	02/05/24 16:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72622	02/08/24 16:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72741	02/08/24 16:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			18039	02/13/24 03:23	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	17961	01/30/24 14:51	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17988	02/13/24 03:23	WP	EET DAL
Soluble	Leach	DI Leach			4.98 g	50 mL	71956	01/30/24 14:18	SMC	EET MID
Soluble	Analysis	300.0		1			72172	02/03/24 17:20	CH	EET MID

Client Sample ID: FS13
Date Collected: 01/26/24 10:20
Date Received: 01/26/24 15:36

Lab Sample ID: 890-6043-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	72700	02/09/24 08:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72706	02/09/24 11:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72741	02/09/24 11:30	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6043-1
SDG: 03C1558299

Client Sample ID: FS13
Date Collected: 01/26/24 10:20
Date Received: 01/26/24 15:36

Lab Sample ID: 890-6043-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			18039	02/13/24 03:43	CC	EET DAL
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	17961	01/30/24 14:51	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17988	02/13/24 03:43	WP	EET DAL
Soluble	Leach	DI Leach			4.97 g	50 mL	71956	01/30/24 14:18	SMC	EET MID
Soluble	Analysis	300.0		1			72172	02/03/24 17:27	CH	EET MID

Client Sample ID: FS14
Date Collected: 01/26/24 10:25
Date Received: 01/26/24 15:36

Lab Sample ID: 890-6043-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	72700	02/09/24 08:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72706	02/09/24 11:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72741	02/09/24 11:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			18039	02/13/24 04:04	CC	EET DAL
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	17961	01/30/24 14:51	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17988	02/13/24 04:04	WP	EET DAL
Soluble	Leach	DI Leach			5.02 g	50 mL	71956	01/30/24 14:18	SMC	EET MID
Soluble	Analysis	300.0		1			72172	02/03/24 17:47	CH	EET MID

Client Sample ID: SW03
Date Collected: 01/26/24 10:30
Date Received: 01/26/24 15:36

Lab Sample ID: 890-6043-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	72700	02/09/24 08:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72706	02/09/24 12:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72741	02/09/24 12:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			18039	02/13/24 04:25	CC	EET DAL
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	17961	01/30/24 14:51	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17988	02/13/24 04:25	WP	EET DAL
Soluble	Leach	DI Leach			5.01 g	50 mL	71956	01/30/24 14:18	SMC	EET MID
Soluble	Analysis	300.0		1			72172	02/03/24 17:54	CH	EET MID

Client Sample ID: FS15
Date Collected: 01/26/24 12:35
Date Received: 01/26/24 15:36

Lab Sample ID: 890-6043-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	72700	02/09/24 08:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72706	02/09/24 12:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72741	02/09/24 12:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			18039	02/13/24 04:45	CC	EET DAL
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	17961	01/30/24 14:51	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17988	02/13/24 04:45	WP	EET DAL

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6043-1
SDG: 03C1558299

Client Sample ID: FS15

Date Collected: 01/26/24 12:35
Date Received: 01/26/24 15:36

Lab Sample ID: 890-6043-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	71956	01/30/24 14:18	SMC	EET MID
Soluble	Analysis	300.0		1			72172	02/03/24 18:14	CH	EET MID

Client Sample ID: SW04

Date Collected: 01/26/24 12:40
Date Received: 01/26/24 15:36

Lab Sample ID: 890-6043-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	72700	02/09/24 08:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72706	02/09/24 12:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72741	02/09/24 12:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			18039	02/13/24 05:05	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	17961	01/30/24 14:51	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17988	02/13/24 05:05	WP	EET DAL
Soluble	Leach	DI Leach			4.98 g	50 mL	71956	01/30/24 14:18	SMC	EET MID
Soluble	Analysis	300.0		1			72172	02/03/24 18:21	CH	EET MID

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300

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

Accreditation/Certification Summary

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6043-1
SDG: 03C1558299

Laboratory: Eurofins Dallas

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704295-23-34	06-30-24

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Total BTEX		Solid	Total BTEX

Method Summary

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6043-1
SDG: 03C1558299

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

Protocol References:

ASTM = ASTM International
EPA = US Environmental Protection Agency
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6043-1
SDG: 03C1558299

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-6043-1	FS10	Solid	01/26/24 10:00	01/26/24 15:36	1
890-6043-2	FS11	Solid	01/26/24 10:05	01/26/24 15:36	1
890-6043-3	FS12	Solid	01/26/24 10:15	01/26/24 15:36	1
890-6043-4	FS13	Solid	01/26/24 10:20	01/26/24 15:36	1
890-6043-5	FS14	Solid	01/26/24 10:25	01/26/24 15:36	1
890-6043-6	SW03	Solid	01/26/24 10:30	01/26/24 15:36	0-1
890-6043-7	FS15	Solid	01/26/24 12:35	01/26/24 15:36	4
890-6043-8	SW04	Solid	01/26/24 12:40	01/26/24 15:36	0-4

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Chain of Custody

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

Work Order No: 6043

www.xenco.com Page 1 of 1

Project Manager:	Ben Belill	Bill to: (if different)	Garrett Green
Company Name:	Ensolum	Company Name:	XTO Energy
Address:	3122 National Parks Hwy	Address:	3104 E. Green St.
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Carlsbad, NM 88220
Phone:	303-887-2946	Email:	Garrett.Green@ExxonMobil.com

Work Order Comments
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Corral Canyon Expansion Battery	Turn Around	☑ Routine ☐ Rush
Project Number:	03C1558299	Due Date:	
Project Location:		TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Connor Whitman		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	IR#4
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	4.6
Total Containers:		Corrected Temperature:	4.4

Preservative Codes
None: NO DI Water: H_2O
Cool: Cool MeOH: Me
~~HCL: HC~~ ~~HNO_3: HN~~
H_2S0_4: H_2 NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	CHLORIDES (EPA: 3000.0)	TPH (8015)	BTEX (8021)
FS10	S	1/26/24	1000	1	C	1			
FS11			1005	1					
FS12			1015	1					
FS13			1020	1					
FS14			1025	1					
SW03			1030	0-1					
FS15			1235	4					
SW04	↓	↓	1240	0-4	↓	↓			
									CW

Sample Comments
Incident ID: NAPP2330049344
Cost Center: 1056571001
AFE:

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		15:36 1/26	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Phone: 432-704-5440

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer, Jessica	Carrier Tracking No(s):	COC No: 880-9089.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Jessica.Kramer@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-6043-1
Address: 9701 Harry Hines Blvd, ,	Due Date Requested: 2/1/2024			
City: Dallas	TAT Requested (days):			
State, Zip: TX, 75220				
Phone: 214-902-0300(Tel)	PO #:			
Email:	WO #:			
Project Name: Corral Canyon Expansion Battery	Project #: 89000093			
Site:	SSOW#:			

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
FS10 (890-6043-1)	1/26/24	10:00 Mountain		Solid			X	X	1	
FS11 (890-6043-2)	1/26/24	10:05 Mountain		Solid			X	X	1	
FS12 (890-6043-3)	1/26/24	10:15 Mountain		Solid			X	X	1	
FS13 (890-6043-4)	1/26/24	10:20 Mountain		Solid			X	X	1	
FS14 (890-6043-5)	1/26/24	10:25 Mountain		Solid			X	X	1	
SW03 (890-6043-6)	1/26/24	10:30 Mountain		Solid			X	X	1	
FS15 (890-6043-7)	1/26/24	12:35 Mountain		Solid			X	X	1	
SW04 (890-6043-8)	1/26/24	12:40 Mountain		Solid			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by: FedEx	Date/Time:	Company
Relinquished by: FedEx	Date/Time: 2/2/24 932	Company	Received by:	Date/Time: 2/2/24 932	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-6043-1
SDG Number: 03C1558299

Login Number: 6043
List Number: 1
Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-6043-1
SDG Number: 03C1558299

Login Number: 6043
List Number: 3
Creator: Dabinett, Ian

List Source: Eurofins Dallas
List Creation: 02/02/24 12:43 PM

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.	False	COC not relinquished.
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-6043-1
SDG Number: 03C1558299

Login Number: 6043
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 01/30/24 10:34 AM

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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ANALYTICAL REPORT

PREPARED FOR

Attn: Ben Belill
Ensolum
601 N. Marienfeld St.
Suite 400
Midland, Texas 79701

Generated 2/13/2024 1:44:00 PM

JOB DESCRIPTION

Corral Canyon Expansion Battery
03C1558299

JOB NUMBER

890-6044-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

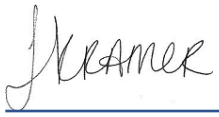
Eurofins Carlsbad

Job Notes

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

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

Authorization



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2/13/2024 1:44:00 PM

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

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Laboratory Job ID: 890-6044-1
SDG: 03C1558299

Table of Contents

Definitions/Glossary

Client: Ensolum Job ID: 890-6044-1
Project/Site: Corral Canyon Expansion Battery SDG: 03C1558299

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
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.

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: Ensolum Job ID: 890-6044-1
Project: Corral Canyon Expansion Battery

Job ID: 890-6044-1 Eurofins Carlsbad

Job Narrative
890-6044-1

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

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

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

Receipt
The samples were received on 1/26/2024 3:36 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.4°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: FS01 (890-6044-1), FS02 (890-6044-2), FS03 (890-6044-3), FS04 (890-6044-4), FS05 (890-6044-5), FS06 (890-6044-6), FS07 (890-6044-7), FS08 (890-6044-8), FS09 (890-6044-9), SW01 (890-6044-10) and SW02 (890-6044-11).

GC VOA
Method 8021B: The continuing calibration verification (CCV) associated with batch 880-72529 recovered above the upper control limit for Ethylbenzene, m-Xylene & p-Xylene and o-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-72529/20).

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-72529 recovered above the upper control limit for Ethylbenzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-72529/33).

Method 8021B: Surrogate recovery for the following samples were outside control limits: FS01 (890-6044-1), FS05 (890-6044-5), SW02 (890-6044-11) and (890-6038-A-1-I). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-72529 recovered above the upper control limit for Toluene, Ethylbenzene, m-Xylene & p-Xylene and o-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-72529/51).

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-72529 recovered above the upper control limit for <AffectedAnalytes>. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-72529/64).

Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCS 880-72388/1-A). Evidence of matrix interferences is not obvious.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-72388 and analytical batch 880-72529 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following samples were outside the upper control limit: FS03 (890-6044-3), FS04 (890-6044-4), FS05 (890-6044-5), FS06 (890-6044-6), FS07 (890-6044-7), FS09 (890-6044-9), SW01 (890-6044-10) and SW02 (890-6044-11). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Case Narrative

Client: Ensolum Job ID: 890-6044-1
Project: Corral Canyon Expansion Battery

Job ID: 890-6044-1 (Continued) Eurofins Carlsbad

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: FS01 (890-6044-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

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
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6044-1
SDG: 03C1558299

Client Sample ID: FS01

Lab Sample ID: 890-6044-1
Matrix: Solid
Date Collected: 01/25/24 11:15
Date Received: 01/26/24 15:36
Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/05/24 14:05	02/08/24 01:05	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/05/24 14:05	02/08/24 01:05	1
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		02/05/24 14:05	02/08/24 01:05	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		02/05/24 14:05	02/08/24 01:05	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		02/05/24 14:05	02/08/24 01:05	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		02/05/24 14:05	02/08/24 01:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*02/05/24 14:05*	*02/08/24 01:05*	*1*
1,4-Difluorobenzene (Surr)	*61*	*S1-*	*70 - 130*	*02/05/24 14:05*	*02/08/24 01:05*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/08/24 01:05	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**104**		49.8		mg/Kg			02/03/24 18:26	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.8	U F1	49.8		mg/Kg		01/30/24 14:46	02/03/24 18:26	1
Diesel Range Organics (Over C10-C28)	**104**	**F1 F2**	49.8		mg/Kg		01/30/24 14:46	02/03/24 18:26	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/30/24 14:46	02/03/24 18:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*0*	*S1-*	*70 - 130*	*01/30/24 14:46*	*02/03/24 18:26*	*1*
1-Chlorooctane	*94*		*70 - 130*	*01/30/24 14:46*	*02/03/24 18:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**198**		4.97		mg/Kg			02/03/24 18:28	1

Client Sample ID: FS02

Lab Sample ID: 890-6044-2
Matrix: Solid
Date Collected: 01/25/24 11:20
Date Received: 01/26/24 15:36
Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/05/24 14:05	02/08/24 01:25	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/05/24 14:05	02/08/24 01:25	1
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		02/05/24 14:05	02/08/24 01:25	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		02/05/24 14:05	02/08/24 01:25	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		02/05/24 14:05	02/08/24 01:25	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		02/05/24 14:05	02/08/24 01:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*70 - 130*	*02/05/24 14:05*	*02/08/24 01:25*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*02/05/24 14:05*	*02/08/24 01:25*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6044-1
SDG: 03C1558299

Client Sample ID: FS02

Date Collected: 01/25/24 11:20
Date Received: 01/26/24 15:36
Sample Depth: 1

Lab Sample ID: 890-6044-2
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/08/24 01:25	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			02/03/24 19:30	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.1	U	50.1		mg/Kg		01/30/24 14:46	02/03/24 19:30	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		01/30/24 14:46	02/03/24 19:30	1
OII Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		01/30/24 14:46	02/03/24 19:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*93*		*70 - 130*	*01/30/24 14:46*	*02/03/24 19:30*	*1*
1-Chlorooctane	*84*		*70 - 130*	*01/30/24 14:46*	*02/03/24 19:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**209**		4.95		mg/Kg			02/03/24 18:35	1

Client Sample ID: FS03

Date Collected: 01/25/24 11:25
Date Received: 01/26/24 15:36
Sample Depth: 1

Lab Sample ID: 890-6044-3
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/05/24 14:05	02/08/24 01:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/05/24 14:05	02/08/24 01:46	1
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		02/05/24 14:05	02/08/24 01:46	1
m-Xylene & p-Xylene	<0.00399	U *+	0.00399		mg/Kg		02/05/24 14:05	02/08/24 01:46	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		02/05/24 14:05	02/08/24 01:46	1
Xylenes, Total	<0.00399	U *+	0.00399		mg/Kg		02/05/24 14:05	02/08/24 01:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*	*02/05/24 14:05*	*02/08/24 01:46*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*02/05/24 14:05*	*02/08/24 01:46*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/08/24 01:46	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/12/24 19:48	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.7	U	49.7		mg/Kg		01/30/24 14:46	02/12/24 19:48	1

Client Sample Results

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6044-1
SDG: 03C1558299

Client Sample ID: FS03

Lab Sample ID: 890-6044-3
Matrix: Solid
Date Collected: 01/25/24 11:25
Date Received: 01/26/24 15:36
Sample Depth: 1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		01/30/24 14:46	02/12/24 19:48	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		01/30/24 14:46	02/12/24 19:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*206*	*S1+*	*70 - 130*	*01/30/24 14:46*	*02/12/24 19:48*	*1*
1-Chlorooctane	*179*	*S1+*	*70 - 130*	*01/30/24 14:46*	*02/12/24 19:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**203**		4.96		mg/Kg			02/03/24 18:41	1

Client Sample ID: FS04

Lab Sample ID: 890-6044-4
Matrix: Solid
Date Collected: 01/25/24 11:30
Date Received: 01/26/24 15:36
Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/05/24 14:05	02/08/24 02:06	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/05/24 14:05	02/08/24 02:06	1
Ethylbenzene	<0.00201	U *+	0.00201		mg/Kg		02/05/24 14:05	02/08/24 02:06	1
m-Xylene & p-Xylene	<0.00402	U *+	0.00402		mg/Kg		02/05/24 14:05	02/08/24 02:06	1
o-Xylene	<0.00201	U *+	0.00201		mg/Kg		02/05/24 14:05	02/08/24 02:06	1
Xylenes, Total	<0.00402	U *+	0.00402		mg/Kg		02/05/24 14:05	02/08/24 02:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*02/05/24 14:05*	*02/08/24 02:06*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*02/05/24 14:05*	*02/08/24 02:06*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/08/24 02:06	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/12/24 20:09	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.0	U	50.0		mg/Kg		01/30/24 14:46	02/12/24 20:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/30/24 14:46	02/12/24 20:09	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/30/24 14:46	02/12/24 20:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*203*	*S1+*	*70 - 130*	*01/30/24 14:46*	*02/12/24 20:09*	*1*
1-Chlorooctane	*173*	*S1+*	*70 - 130*	*01/30/24 14:46*	*02/12/24 20:09*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6044-1
SDG: 03C1558299

Client Sample ID: FS04

Lab Sample ID: 890-6044-4
Matrix: Solid
Date Collected: 01/25/24 11:30
Date Received: 01/26/24 15:36
Sample Depth: 1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	218		4.95		mg/Kg			02/03/24 18:48	1

Client Sample ID: FS05

Lab Sample ID: 890-6044-5
Matrix: Solid
Date Collected: 01/25/24 11:40
Date Received: 01/26/24 15:36
Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/05/24 14:05	02/08/24 02:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/05/24 14:05	02/08/24 02:26	1
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		02/05/24 14:05	02/08/24 02:26	1
m-Xylene & p-Xylene	<0.00401	U *+	0.00401		mg/Kg		02/05/24 14:05	02/08/24 02:26	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		02/05/24 14:05	02/08/24 02:26	1
Xylenes, Total	<0.00401	U *+	0.00401		mg/Kg		02/05/24 14:05	02/08/24 02:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*02/05/24 14:05*	*02/08/24 02:26*	*1*
1,4-Difluorobenzene (Surr)	*56*	*S1-*	*70 - 130*	*02/05/24 14:05*	*02/08/24 02:26*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/08/24 02:26	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/12/24 20:30	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.8	U	49.8		mg/Kg		01/30/24 14:46	02/12/24 20:30	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/30/24 14:46	02/12/24 20:30	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/30/24 14:46	02/12/24 20:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*196*	*S1+*	*70 - 130*	*01/30/24 14:46*	*02/12/24 20:30*	*1*
1-Chlorooctane	*170*	*S1+*	*70 - 130*	*01/30/24 14:46*	*02/12/24 20:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	197		5.02		mg/Kg			02/03/24 18:55	1

Client Sample ID: FS06

Lab Sample ID: 890-6044-6
Matrix: Solid
Date Collected: 01/25/24 11:45
Date Received: 01/26/24 15:36
Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/05/24 14:05	02/08/24 03:49	1

Client Sample Results

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6044-1
SDG: 03C1558299

Client Sample ID: FS06

Date Collected: 01/25/24 11:45
Date Received: 01/26/24 15:36
Sample Depth: 1

Lab Sample ID: 890-6044-6
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.00199	U	0.00199		mg/Kg		02/05/24 14:05	02/08/24 03:49	1
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		02/05/24 14:05	02/08/24 03:49	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		02/05/24 14:05	02/08/24 03:49	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		02/05/24 14:05	02/08/24 03:49	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		02/05/24 14:05	02/08/24 03:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*	*02/05/24 14:05*	*02/08/24 03:49*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*02/05/24 14:05*	*02/08/24 03:49*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/08/24 03:49	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			02/12/24 20:50	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.6	U	49.6		mg/Kg		01/30/24 14:46	02/12/24 20:50	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		01/30/24 14:46	02/12/24 20:50	1
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		01/30/24 14:46	02/12/24 20:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*194*	*S1+*	*70 - 130*	*01/30/24 14:46*	*02/12/24 20:50*	*1*
1-Chlorooctane	*168*	*S1+*	*70 - 130*	*01/30/24 14:46*	*02/12/24 20:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**191**		5.00		mg/Kg			02/03/24 13:10	1

Client Sample ID: FS07

Date Collected: 01/25/24 11:50
Date Received: 01/26/24 15:36
Sample Depth: 1

Lab Sample ID: 890-6044-7
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/05/24 14:05	02/08/24 04:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/05/24 14:05	02/08/24 04:09	1
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		02/05/24 14:05	02/08/24 04:09	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		02/05/24 14:05	02/08/24 04:09	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		02/05/24 14:05	02/08/24 04:09	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		02/05/24 14:05	02/08/24 04:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*02/05/24 14:05*	*02/08/24 04:09*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*02/05/24 14:05*	*02/08/24 04:09*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6044-1
SDG: 03C1558299

Client Sample ID: FS07

Lab Sample ID: 890-6044-7
Matrix: Solid
Date Collected: 01/25/24 11:50
Date Received: 01/26/24 15:36
Sample Depth: 1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/08/24 04:09	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			02/12/24 21:11	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.2	U	50.2		mg/Kg		01/30/24 14:46	02/12/24 21:11	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		01/30/24 14:46	02/12/24 21:11	1
OII Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		01/30/24 14:46	02/12/24 21:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*182*	*S1+*	*70 - 130*	*01/30/24 14:46*	*02/12/24 21:11*	*1*
1-Chlorooctane	*159*	*S1+*	*70 - 130*	*01/30/24 14:46*	*02/12/24 21:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**181**		5.04		mg/Kg			02/03/24 13:24	1

Client Sample ID: FS08

Lab Sample ID: 890-6044-8
Matrix: Solid
Date Collected: 01/25/24 11:55
Date Received: 01/26/24 15:36
Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/05/24 14:05	02/08/24 04:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/05/24 14:05	02/08/24 04:30	1
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		02/05/24 14:05	02/08/24 04:30	1
m-Xylene & p-Xylene	<0.00399	U *+	0.00399		mg/Kg		02/05/24 14:05	02/08/24 04:30	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		02/05/24 14:05	02/08/24 04:30	1
Xylenes, Total	<0.00399	U *+	0.00399		mg/Kg		02/05/24 14:05	02/08/24 04:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*	*02/05/24 14:05*	*02/08/24 04:30*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*02/05/24 14:05*	*02/08/24 04:30*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/08/24 04:30	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			02/03/24 21:34	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.5	U	50.5		mg/Kg		01/30/24 14:46	02/03/24 21:34	1

Client Sample Results

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6044-1
SDG: 03C1558299

Client Sample ID: FS08

Lab Sample ID: 890-6044-8
Matrix: Solid
Date Collected: 01/25/24 11:55
Date Received: 01/26/24 15:36
Sample Depth: 1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		01/30/24 14:46	02/03/24 21:34	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		01/30/24 14:46	02/03/24 21:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*80*		*70 - 130*	*01/30/24 14:46*	*02/03/24 21:34*	*1*
1-Chlorooctane	*73*		*70 - 130*	*01/30/24 14:46*	*02/03/24 21:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**194**		5.05		mg/Kg			02/03/24 13:29	1

Client Sample ID: FS09

Lab Sample ID: 890-6044-9
Matrix: Solid
Date Collected: 01/25/24 12:10
Date Received: 01/26/24 15:36
Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/05/24 14:05	02/08/24 04:50	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/05/24 14:05	02/08/24 04:50	1
Ethylbenzene	<0.00201	U *+	0.00201		mg/Kg		02/05/24 14:05	02/08/24 04:50	1
m-Xylene & p-Xylene	<0.00402	U *+	0.00402		mg/Kg		02/05/24 14:05	02/08/24 04:50	1
o-Xylene	<0.00201	U *+	0.00201		mg/Kg		02/05/24 14:05	02/08/24 04:50	1
Xylenes, Total	<0.00402	U *+	0.00402		mg/Kg		02/05/24 14:05	02/08/24 04:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*02/05/24 14:05*	*02/08/24 04:50*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*02/05/24 14:05*	*02/08/24 04:50*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/08/24 04:50	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/12/24 21:32	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.9	U	49.9		mg/Kg		01/30/24 14:46	02/12/24 21:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/30/24 14:46	02/12/24 21:32	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/30/24 14:46	02/12/24 21:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*201*	*S1+*	*70 - 130*	*01/30/24 14:46*	*02/12/24 21:32*	*1*
1-Chlorooctane	*175*	*S1+*	*70 - 130*	*01/30/24 14:46*	*02/12/24 21:32*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6044-1
SDG: 03C1558299

Client Sample ID: FS09

Lab Sample ID: 890-6044-9
Matrix: Solid
Date Collected: 01/25/24 12:10
Date Received: 01/26/24 15:36
Sample Depth: 1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	185		5.05		mg/Kg			02/03/24 13:34	1

Client Sample ID: SW01

Lab Sample ID: 890-6044-10
Matrix: Solid
Date Collected: 01/25/24 12:15
Date Received: 01/26/24 15:36
Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/05/24 14:05	02/08/24 05:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/05/24 14:05	02/08/24 05:10	1
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		02/05/24 14:05	02/08/24 05:10	1
m-Xylene & p-Xylene	<0.00401	U *+	0.00401		mg/Kg		02/05/24 14:05	02/08/24 05:10	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		02/05/24 14:05	02/08/24 05:10	1
Xylenes, Total	<0.00401	U *+	0.00401		mg/Kg		02/05/24 14:05	02/08/24 05:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*76*		*70 - 130*	*02/05/24 14:05*	*02/08/24 05:10*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*02/05/24 14:05*	*02/08/24 05:10*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/08/24 05:10	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/12/24 21:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.7	U	49.7		mg/Kg		01/30/24 14:46	02/12/24 21:52	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		01/30/24 14:46	02/12/24 21:52	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		01/30/24 14:46	02/12/24 21:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*198*	*S1+*	*70 - 130*	*01/30/24 14:46*	*02/12/24 21:52*	*1*
1-Chlorooctane	*169*	*S1+*	*70 - 130*	*01/30/24 14:46*	*02/12/24 21:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	176		5.02		mg/Kg			02/03/24 13:39	1

Client Sample ID: SW02

Lab Sample ID: 890-6044-11
Matrix: Solid
Date Collected: 01/25/24 11:35
Date Received: 01/26/24 15:36
Sample Depth: 0-1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/05/24 14:05	02/08/24 05:31	1

Client Sample Results

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6044-1
SDG: 03C1558299

Client Sample ID: SW02

Date Collected: 01/25/24 11:35
Date Received: 01/26/24 15:36
Sample Depth: 0-1

Lab Sample ID: 890-6044-11

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.00199	U	0.00199		mg/Kg		02/05/24 14:05	02/08/24 05:31	1
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		02/05/24 14:05	02/08/24 05:31	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		02/05/24 14:05	02/08/24 05:31	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		02/05/24 14:05	02/08/24 05:31	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		02/05/24 14:05	02/08/24 05:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*67*	*S1-*	*70 - 130*	*02/05/24 14:05*	*02/08/24 05:31*	*1*
1,4-Difluorobenzene (Surr)	*65*	*S1-*	*70 - 130*	*02/05/24 14:05*	*02/08/24 05:31*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/08/24 05:31	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			02/12/24 22:13	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.4	U	50.4		mg/Kg		01/30/24 14:46	02/12/24 22:13	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		01/30/24 14:46	02/12/24 22:13	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		01/30/24 14:46	02/12/24 22:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*180*	*S1+*	*70 - 130*	*01/30/24 14:46*	*02/12/24 22:13*	*1*
1-Chlorooctane	*157*	*S1+*	*70 - 130*	*01/30/24 14:46*	*02/12/24 22:13*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**214**		4.99		mg/Kg			02/03/24 13:54	1

Surrogate Summary

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6044-1
SDG: 03C1558299

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-6038-A-1-G MS	Matrix Spike	116	94
890-6038-A-1-H MSD	Matrix Spike Duplicate	119	90
890-6044-1	FS01	88	61 S1-
890-6044-2	FS02	81	75
890-6044-3	FS03	83	73
890-6044-4	FS04	85	76
890-6044-5	FS05	100	56 S1-
890-6044-6	FS06	82	77
890-6044-7	FS07	86	77
890-6044-8	FS08	83	77
890-6044-9	FS09	86	78
890-6044-10	SW01	76	81
890-6044-11	SW02	67 S1-	65 S1-
LCS 880-72388/1-A	Lab Control Sample	133 S1+	90
LCSD 880-72388/2-A	Lab Control Sample Dup	123	105
MB 880-72368/5-A	Method Blank	75	78
MB 880-72388/5-A	Method Blank	76	77

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	OTPH1 (70-130)	1CO1 (70-130)
890-6044-1	FS01	0 S1-	94
890-6044-1 MS	FS01	87	88
890-6044-1 MSD	FS01	70	71
890-6044-2	FS02	93	84
890-6044-3	FS03	206 S1+	179 S1+
890-6044-4	FS04	203 S1+	173 S1+
890-6044-5	FS05	196 S1+	170 S1+
890-6044-6	FS06	194 S1+	168 S1+
890-6044-7	FS07	182 S1+	159 S1+
890-6044-8	FS08	80	73
890-6044-9	FS09	201 S1+	175 S1+
890-6044-10	SW01	198 S1+	169 S1+
890-6044-11	SW02	180 S1+	157 S1+
LCS 870-17960/1-A	Lab Control Sample	114	123
LCSD 870-17960/2-A	Lab Control Sample Dup	110	118
MB 870-17960/3-A	Method Blank	108	101

Surrogate Legend

OTPH = o-Terphenyl
1CO = 1-Chlorooctane

QC Sample Results

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6044-1
SDG: 03C1558299

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-72368/5-A
Matrix: Solid
Analysis Batch: 72529

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 72368

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/05/24 12:04	02/07/24 11:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/05/24 12:04	02/07/24 11:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/05/24 12:04	02/07/24 11:36	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/05/24 12:04	02/07/24 11:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/05/24 12:04	02/07/24 11:36	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/05/24 12:04	02/07/24 11:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*75*		*70 - 130*	*02/05/24 12:04*	*02/07/24 11:36*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*02/05/24 12:04*	*02/07/24 11:36*	*1*

Lab Sample ID: MB 880-72388/5-A
Matrix: Solid
Analysis Batch: 72529

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 72388

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/05/24 14:05	02/07/24 23:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/05/24 14:05	02/07/24 23:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/05/24 14:05	02/07/24 23:01	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/05/24 14:05	02/07/24 23:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/05/24 14:05	02/07/24 23:01	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/05/24 14:05	02/07/24 23:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*76*		*70 - 130*	*02/05/24 14:05*	*02/07/24 23:01*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*02/05/24 14:05*	*02/07/24 23:01*	*1*

Lab Sample ID: LCS 880-72388/1-A
Matrix: Solid
Analysis Batch: 72529

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 72388

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1175		mg/Kg		117	70 - 130		
Toluene			0.100	0.1154		mg/Kg		115	70 - 130		
Ethylbenzene			0.100	0.1542	*+	mg/Kg		154	70 - 130		
m-Xylene & p-Xylene			0.200	0.2975	*+	mg/Kg		149	70 - 130		
o-Xylene			0.100	0.1450	*+	mg/Kg		145	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

Lab Sample ID: LCSD 880-72388/2-A
Matrix: Solid
Analysis Batch: 72529

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 72388

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1052		mg/Kg		105	70 - 130	11	35

QC Sample Results

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6044-1
SDG: 03C1558299

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

Lab Sample ID: LCSD 880-72388/2-A
Matrix: Solid
Analysis Batch: 72529

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 72388

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.1142		mg/Kg		114	70 - 130	1	35
Ethylbenzene			0.100	0.1353	*+	mg/Kg		135	70 - 130	13	35
m-Xylene & p-Xylene			0.200	0.2586		mg/Kg		129	70 - 130	14	35
o-Xylene			0.100	0.1265		mg/Kg		126	70 - 130	14	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: 890-6038-A-1-G MS
Matrix: Solid
Analysis Batch: 72529

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 72388

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0996	0.08573		mg/Kg		86	70 - 130
Toluene	<0.00200	U	0.0996	0.09654		mg/Kg		97	70 - 130
Ethylbenzene	<0.00200	U *+	0.0996	0.1129		mg/Kg		113	70 - 130
m-Xylene & p-Xylene	<0.00401	U *+	0.199	0.2151		mg/Kg		108	70 - 130
o-Xylene	<0.00200	U *+	0.0996	0.1044		mg/Kg		105	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: 890-6038-A-1-H MSD
Matrix: Solid
Analysis Batch: 72529

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 72388

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0990	0.08704		mg/Kg		88	70 - 130	2	35
Toluene	<0.00200	U	0.0990	0.09959		mg/Kg		101	70 - 130	3	35
Ethylbenzene	<0.00200	U *+	0.0990	0.1186		mg/Kg		120	70 - 130	5	35
m-Xylene & p-Xylene	<0.00401	U *+	0.198	0.2248		mg/Kg		114	70 - 130	4	35
o-Xylene	<0.00200	U *+	0.0990	0.1095		mg/Kg		111	70 - 130	5	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

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

Lab Sample ID: MB 870-17960/3-A
Matrix: Solid
Analysis Batch: 17706

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 17960

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.0	U	50.0		mg/Kg		01/30/24 14:46	02/03/24 17:12	1

QC Sample Results

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6044-1
SDG: 03C1558299

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

Lab Sample ID: MB 870-17960/3-A
Matrix: Solid
Analysis Batch: 17706

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 17960

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/30/24 14:46	02/03/24 17:12	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/30/24 14:46	02/03/24 17:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*108*		*70 - 130*	*01/30/24 14:46*	*02/03/24 17:12*	*1*
1-Chlorooctane	*101*		*70 - 130*	*01/30/24 14:46*	*02/03/24 17:12*	*1*

Lab Sample ID: LCS 870-17960/1-A
Matrix: Solid
Analysis Batch: 17988

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 17960

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)			1020	1171		mg/Kg		115	70 - 130		
Diesel Range Organics (Over C10-C28)			1010	1092		mg/Kg		108	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*114*		*70 - 130*
1-Chlorooctane	*123*		*70 - 130*

Lab Sample ID: LCSD 870-17960/2-A
Matrix: Solid
Analysis Batch: 17988

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 17960

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)			1020	1106		mg/Kg		109	70 - 130	6	20
Diesel Range Organics (Over C10-C28)			1010	1163		mg/Kg		115	70 - 130	6	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*110*		*70 - 130*
1-Chlorooctane	*118*		*70 - 130*

Lab Sample ID: 890-6044-1 MS
Matrix: Solid
Analysis Batch: 17706

Client Sample ID: FS01
Prep Type: Total/NA
Prep Batch: 17960

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)	<49.8	U F1	1020	652.6	F1	mg/Kg		64	70 - 130		
Diesel Range Organics (Over C10-C28)	104	F1 F2	1010	889.9		mg/Kg		78	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
o-Terphenyl	*87*		*70 - 130*
1-Chlorooctane	*88*		*70 - 130*

QC Sample Results

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6044-1
SDG: 03C1558299

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

Lab Sample ID: 890-6044-1 MSD — **Client Sample ID: FS01**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 17706 — **Prep Batch: 17960**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)	<49.8	U F1	1020	608.6	F1	mg/Kg		60	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	104	F1 F2	1010	720.1	F1 F2	mg/Kg		61	70 - 130	21	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
o-Terphenyl	*70*		*70 - 130*
1-Chlorooctane	*71*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-71956/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 72172

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/03/24 15:31	1

Lab Sample ID: LCS 880-71956/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 72172

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	273.0		mg/Kg		109	90 - 110		

Lab Sample ID: LCSD 880-71956/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 72172

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	266.7		mg/Kg		107	90 - 110	2	20

Lab Sample ID: 890-6043-A-4-B MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 72172

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	185		252	456.6		mg/Kg		108	90 - 110		

Lab Sample ID: 890-6043-A-4-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 72172

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	185		252	454.7		mg/Kg		107	90 - 110	0	20

QC Sample Results

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6044-1
SDG: 03C1558299

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-71957/1-A
Matrix: Solid
Analysis Batch: 72174

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/03/24 12:55	1

Lab Sample ID: LCS 880-71957/2-A
Matrix: Solid
Analysis Batch: 72174

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	240.7		mg/Kg		96	90 - 110		

Lab Sample ID: LCSD 880-71957/3-A
Matrix: Solid
Analysis Batch: 72174

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	244.5		mg/Kg		98	90 - 110	2	20

Lab Sample ID: 890-6044-6 MS
Matrix: Solid
Analysis Batch: 72174

Client Sample ID: FS06
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	191		250	435.0		mg/Kg		98	90 - 110		

Lab Sample ID: 890-6044-6 MSD
Matrix: Solid
Analysis Batch: 72174

Client Sample ID: FS06
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	191		250	435.8		mg/Kg		98	90 - 110	0	20

QC Association Summary

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6044-1
SDG: 03C1558299

GC VOA

Prep Batch: 72368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-72368/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 72388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6044-1	FS01	Total/NA	Solid	5035	
890-6044-2	FS02	Total/NA	Solid	5035	
890-6044-3	FS03	Total/NA	Solid	5035	
890-6044-4	FS04	Total/NA	Solid	5035	
890-6044-5	FS05	Total/NA	Solid	5035	
890-6044-6	FS06	Total/NA	Solid	5035	
890-6044-7	FS07	Total/NA	Solid	5035	
890-6044-8	FS08	Total/NA	Solid	5035	
890-6044-9	FS09	Total/NA	Solid	5035	
890-6044-10	SW01	Total/NA	Solid	5035	
890-6044-11	SW02	Total/NA	Solid	5035	
MB 880-72388/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-72388/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-72388/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-6038-A-1-G MS	Matrix Spike	Total/NA	Solid	5035	
890-6038-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 72529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6044-1	FS01	Total/NA	Solid	8021B	72388
890-6044-2	FS02	Total/NA	Solid	8021B	72388
890-6044-3	FS03	Total/NA	Solid	8021B	72388
890-6044-4	FS04	Total/NA	Solid	8021B	72388
890-6044-5	FS05	Total/NA	Solid	8021B	72388
890-6044-6	FS06	Total/NA	Solid	8021B	72388
890-6044-7	FS07	Total/NA	Solid	8021B	72388
890-6044-8	FS08	Total/NA	Solid	8021B	72388
890-6044-9	FS09	Total/NA	Solid	8021B	72388
890-6044-10	SW01	Total/NA	Solid	8021B	72388
890-6044-11	SW02	Total/NA	Solid	8021B	72388
MB 880-72368/5-A	Method Blank	Total/NA	Solid	8021B	72368
MB 880-72388/5-A	Method Blank	Total/NA	Solid	8021B	72388
LCS 880-72388/1-A	Lab Control Sample	Total/NA	Solid	8021B	72388
LCSD 880-72388/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	72388
890-6038-A-1-G MS	Matrix Spike	Total/NA	Solid	8021B	72388
890-6038-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	72388

Analysis Batch: 72683

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6044-1	FS01	Total/NA	Solid	Total BTEX	
890-6044-2	FS02	Total/NA	Solid	Total BTEX	
890-6044-3	FS03	Total/NA	Solid	Total BTEX	
890-6044-4	FS04	Total/NA	Solid	Total BTEX	
890-6044-5	FS05	Total/NA	Solid	Total BTEX	
890-6044-6	FS06	Total/NA	Solid	Total BTEX	
890-6044-7	FS07	Total/NA	Solid	Total BTEX	
890-6044-8	FS08	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6044-1
SDG: 03C1558299

GC VOA (Continued)

Analysis Batch: 72683 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6044-9	FS09	Total/NA	Solid	Total BTEX	
890-6044-10	SW01	Total/NA	Solid	Total BTEX	
890-6044-11	SW02	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 17706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6044-1	FS01	Total/NA	Solid	8015B NM	17960
890-6044-2	FS02	Total/NA	Solid	8015B NM	17960
890-6044-8	FS08	Total/NA	Solid	8015B NM	17960
MB 870-17960/3-A	Method Blank	Total/NA	Solid	8015B NM	17960
890-6044-1 MS	FS01	Total/NA	Solid	8015B NM	17960
890-6044-1 MSD	FS01	Total/NA	Solid	8015B NM	17960

Prep Batch: 17960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6044-1	FS01	Total/NA	Solid	8015NM Prep	
890-6044-2	FS02	Total/NA	Solid	8015NM Prep	
890-6044-3	FS03	Total/NA	Solid	8015NM Prep	
890-6044-4	FS04	Total/NA	Solid	8015NM Prep	
890-6044-5	FS05	Total/NA	Solid	8015NM Prep	
890-6044-6	FS06	Total/NA	Solid	8015NM Prep	
890-6044-7	FS07	Total/NA	Solid	8015NM Prep	
890-6044-8	FS08	Total/NA	Solid	8015NM Prep	
890-6044-9	FS09	Total/NA	Solid	8015NM Prep	
890-6044-10	SW01	Total/NA	Solid	8015NM Prep	
890-6044-11	SW02	Total/NA	Solid	8015NM Prep	
MB 870-17960/3-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 870-17960/1-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 870-17960/2-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6044-1 MS	FS01	Total/NA	Solid	8015NM Prep	
890-6044-1 MSD	FS01	Total/NA	Solid	8015NM Prep	

Analysis Batch: 17988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6044-3	FS03	Total/NA	Solid	8015B NM	17960
890-6044-4	FS04	Total/NA	Solid	8015B NM	17960
890-6044-5	FS05	Total/NA	Solid	8015B NM	17960
890-6044-6	FS06	Total/NA	Solid	8015B NM	17960
890-6044-7	FS07	Total/NA	Solid	8015B NM	17960
890-6044-9	FS09	Total/NA	Solid	8015B NM	17960
890-6044-10	SW01	Total/NA	Solid	8015B NM	17960
890-6044-11	SW02	Total/NA	Solid	8015B NM	17960
LCS 870-17960/1-A	Lab Control Sample	Total/NA	Solid	8015B NM	17960
LCSD 870-17960/2-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	17960

Analysis Batch: 18036

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6044-1	FS01	Total/NA	Solid	8015 NM	
890-6044-2	FS02	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6044-1
SDG: 03C1558299

GC Semi VOA (Continued)

Analysis Batch: 18036 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6044-3	FS03	Total/NA	Solid	8015 NM	
890-6044-4	FS04	Total/NA	Solid	8015 NM	
890-6044-5	FS05	Total/NA	Solid	8015 NM	
890-6044-6	FS06	Total/NA	Solid	8015 NM	
890-6044-7	FS07	Total/NA	Solid	8015 NM	
890-6044-8	FS08	Total/NA	Solid	8015 NM	
890-6044-9	FS09	Total/NA	Solid	8015 NM	
890-6044-10	SW01	Total/NA	Solid	8015 NM	
890-6044-11	SW02	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 71956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6044-1	FS01	Soluble	Solid	DI Leach	
890-6044-2	FS02	Soluble	Solid	DI Leach	
890-6044-3	FS03	Soluble	Solid	DI Leach	
890-6044-4	FS04	Soluble	Solid	DI Leach	
890-6044-5	FS05	Soluble	Solid	DI Leach	
MB 880-71956/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-71956/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-71956/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-6043-A-4-B MS	Matrix Spike	Soluble	Solid	DI Leach	
890-6043-A-4-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 71957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6044-6	FS06	Soluble	Solid	DI Leach	
890-6044-7	FS07	Soluble	Solid	DI Leach	
890-6044-8	FS08	Soluble	Solid	DI Leach	
890-6044-9	FS09	Soluble	Solid	DI Leach	
890-6044-10	SW01	Soluble	Solid	DI Leach	
890-6044-11	SW02	Soluble	Solid	DI Leach	
MB 880-71957/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-71957/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-71957/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-6044-6 MS	FS06	Soluble	Solid	DI Leach	
890-6044-6 MSD	FS06	Soluble	Solid	DI Leach	

Analysis Batch: 72172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6044-1	FS01	Soluble	Solid	300.0	71956
890-6044-2	FS02	Soluble	Solid	300.0	71956
890-6044-3	FS03	Soluble	Solid	300.0	71956
890-6044-4	FS04	Soluble	Solid	300.0	71956
890-6044-5	FS05	Soluble	Solid	300.0	71956
MB 880-71956/1-A	Method Blank	Soluble	Solid	300.0	71956
LCS 880-71956/2-A	Lab Control Sample	Soluble	Solid	300.0	71956
LCSD 880-71956/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	71956
890-6043-A-4-B MS	Matrix Spike	Soluble	Solid	300.0	71956
890-6043-A-4-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	71956

QC Association Summary

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6044-1
SDG: 03C1558299

HPLC/IC

Analysis Batch: 72174

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6044-6	FS06	Soluble	Solid	300.0	71957
890-6044-7	FS07	Soluble	Solid	300.0	71957
890-6044-8	FS08	Soluble	Solid	300.0	71957
890-6044-9	FS09	Soluble	Solid	300.0	71957
890-6044-10	SW01	Soluble	Solid	300.0	71957
890-6044-11	SW02	Soluble	Solid	300.0	71957
MB 880-71957/1-A	Method Blank	Soluble	Solid	300.0	71957
LCS 880-71957/2-A	Lab Control Sample	Soluble	Solid	300.0	71957
LCSD 880-71957/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	71957
890-6044-6 MS	FS06	Soluble	Solid	300.0	71957
890-6044-6 MSD	FS06	Soluble	Solid	300.0	71957

Lab Chronicle

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6044-1
SDG: 03C1558299

Client Sample ID: FS01

Date Collected: 01/25/24 11:15
Date Received: 01/26/24 15:36

Lab Sample ID: 890-6044-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	72388	02/05/24 14:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72529	02/08/24 01:05	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			72683	02/08/24 01:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			18036	02/03/24 18:26	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	17960	01/30/24 14:46	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17706	02/03/24 18:26	WP	EET DAL
Soluble	Leach	DI Leach			5.03 g	50 mL	71956	01/30/24 14:18	SMC	EET MID
Soluble	Analysis	300.0		1			72172	02/03/24 18:28	CH	EET MID

Client Sample ID: FS02

Date Collected: 01/25/24 11:20
Date Received: 01/26/24 15:36

Lab Sample ID: 890-6044-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	72388	02/05/24 14:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72529	02/08/24 01:25	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			72683	02/08/24 01:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			18036	02/03/24 19:30	CC	EET DAL
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	17960	01/30/24 14:46	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17706	02/03/24 19:30	WP	EET DAL
Soluble	Leach	DI Leach			5.05 g	50 mL	71956	01/30/24 14:18	SMC	EET MID
Soluble	Analysis	300.0		1			72172	02/03/24 18:35	CH	EET MID

Client Sample ID: FS03

Date Collected: 01/25/24 11:25
Date Received: 01/26/24 15:36

Lab Sample ID: 890-6044-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	72388	02/05/24 14:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72529	02/08/24 01:46	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			72683	02/08/24 01:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			18036	02/12/24 19:48	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	17960	01/30/24 14:46	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17988	02/12/24 19:48	WP	EET DAL
Soluble	Leach	DI Leach			5.04 g	50 mL	71956	01/30/24 14:18	SMC	EET MID
Soluble	Analysis	300.0		1			72172	02/03/24 18:41	CH	EET MID

Client Sample ID: FS04

Date Collected: 01/25/24 11:30
Date Received: 01/26/24 15:36

Lab Sample ID: 890-6044-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	72388	02/05/24 14:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72529	02/08/24 02:06	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			72683	02/08/24 02:06	SM	EET MID

Lab Chronicle

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6044-1
SDG: 03C1558299

Client Sample ID: FS04

Date Collected: 01/25/24 11:30
Date Received: 01/26/24 15:36

Lab Sample ID: 890-6044-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			18036	02/12/24 20:09	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	17960	01/30/24 14:46	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17988	02/12/24 20:09	WP	EET DAL
Soluble	Leach	DI Leach			5.05 g	50 mL	71956	01/30/24 14:18	SMC	EET MID
Soluble	Analysis	300.0		1			72172	02/03/24 18:48	CH	EET MID

Client Sample ID: FS05

Date Collected: 01/25/24 11:40
Date Received: 01/26/24 15:36

Lab Sample ID: 890-6044-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	72388	02/05/24 14:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72529	02/08/24 02:26	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			72683	02/08/24 02:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			18036	02/12/24 20:30	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	17960	01/30/24 14:46	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17988	02/12/24 20:30	WP	EET DAL
Soluble	Leach	DI Leach			4.98 g	50 mL	71956	01/30/24 14:18	SMC	EET MID
Soluble	Analysis	300.0		1			72172	02/03/24 18:55	CH	EET MID

Client Sample ID: FS06

Date Collected: 01/25/24 11:45
Date Received: 01/26/24 15:36

Lab Sample ID: 890-6044-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	72388	02/05/24 14:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72529	02/08/24 03:49	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			72683	02/08/24 03:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			18036	02/12/24 20:50	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	17960	01/30/24 14:46	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17988	02/12/24 20:50	WP	EET DAL
Soluble	Leach	DI Leach			5.00 g	50 mL	71957	01/30/24 14:22	SMC	EET MID
Soluble	Analysis	300.0		1			72174	02/03/24 13:10	CH	EET MID

Client Sample ID: FS07

Date Collected: 01/25/24 11:50
Date Received: 01/26/24 15:36

Lab Sample ID: 890-6044-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	72388	02/05/24 14:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72529	02/08/24 04:09	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			72683	02/08/24 04:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			18036	02/12/24 21:11	CC	EET DAL
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	17960	01/30/24 14:46	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17988	02/12/24 21:11	WP	EET DAL

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Lab Chronicle

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6044-1
SDG: 03C1558299

Client Sample ID: FS07

Date Collected: 01/25/24 11:50
Date Received: 01/26/24 15:36

Lab Sample ID: 890-6044-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	71957	01/30/24 14:22	SMC	EET MID
Soluble	Analysis	300.0		1			72174	02/03/24 13:24	CH	EET MID

Client Sample ID: FS08

Date Collected: 01/25/24 11:55
Date Received: 01/26/24 15:36

Lab Sample ID: 890-6044-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	72388	02/05/24 14:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72529	02/08/24 04:30	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			72683	02/08/24 04:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			18036	02/03/24 21:34	CC	EET DAL
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	17960	01/30/24 14:46	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17706	02/03/24 21:34	WP	EET DAL
Soluble	Leach	DI Leach			4.95 g	50 mL	71957	01/30/24 14:22	SMC	EET MID
Soluble	Analysis	300.0		1			72174	02/03/24 13:29	CH	EET MID

Client Sample ID: FS09

Date Collected: 01/25/24 12:10
Date Received: 01/26/24 15:36

Lab Sample ID: 890-6044-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	72388	02/05/24 14:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72529	02/08/24 04:50	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			72683	02/08/24 04:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			18036	02/12/24 21:32	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	17960	01/30/24 14:46	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17988	02/12/24 21:32	WP	EET DAL
Soluble	Leach	DI Leach			4.95 g	50 mL	71957	01/30/24 14:22	SMC	EET MID
Soluble	Analysis	300.0		1			72174	02/03/24 13:34	CH	EET MID

Client Sample ID: SW01

Date Collected: 01/25/24 12:15
Date Received: 01/26/24 15:36

Lab Sample ID: 890-6044-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	72388	02/05/24 14:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72529	02/08/24 05:10	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			72683	02/08/24 05:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			18036	02/12/24 21:52	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	17960	01/30/24 14:46	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17988	02/12/24 21:52	WP	EET DAL
Soluble	Leach	DI Leach			4.98 g	50 mL	71957	01/30/24 14:22	SMC	EET MID
Soluble	Analysis	300.0		1			72174	02/03/24 13:39	CH	EET MID

Lab Chronicle

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6044-1
SDG: 03C1558299

Client Sample ID: SW02

Date Collected: 01/25/24 11:35
Date Received: 01/26/24 15:36

Lab Sample ID: 890-6044-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	72388	02/05/24 14:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72529	02/08/24 05:31	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			72683	02/08/24 05:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			18036	02/12/24 22:13	CC	EET DAL
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	17960	01/30/24 14:46	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17988	02/12/24 22:13	WP	EET DAL
Soluble	Leach	DI Leach			5.01 g	50 mL	71957	01/30/24 14:22	SMC	EET MID
Soluble	Analysis	300.0		1			72174	02/03/24 13:54	CH	EET MID

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300

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

Accreditation/Certification Summary

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6044-1
SDG: 03C1558299

Laboratory: Eurofins Dallas

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704295-23-34	06-30-24

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Total BTEX		Solid	Total BTEX

Method Summary

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6044-1
SDG: 03C1558299

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300

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

Sample Summary

Client: Ensolum
Project/Site: Corral Canyon Expansion Battery

Job ID: 890-6044-1
SDG: 03C1558299

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-6044-1	FS01	Solid	01/25/24 11:15	01/26/24 15:36	1
890-6044-2	FS02	Solid	01/25/24 11:20	01/26/24 15:36	1
890-6044-3	FS03	Solid	01/25/24 11:25	01/26/24 15:36	1
890-6044-4	FS04	Solid	01/25/24 11:30	01/26/24 15:36	1
890-6044-5	FS05	Solid	01/25/24 11:40	01/26/24 15:36	1
890-6044-6	FS06	Solid	01/25/24 11:45	01/26/24 15:36	1
890-6044-7	FS07	Solid	01/25/24 11:50	01/26/24 15:36	1
890-6044-8	FS08	Solid	01/25/24 11:55	01/26/24 15:36	1
890-6044-9	FS09	Solid	01/25/24 12:10	01/26/24 15:36	1
890-6044-10	SW01	Solid	01/25/24 12:15	01/26/24 15:36	1
890-6044-11	SW02	Solid	01/25/24 11:35	01/26/24 15:36	0-1

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Chain of Custody

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

Work Order No: 6044

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Project Manager:	Ben Belill	Bill to: (if different)	Garrett Green
Company Name:	Ensolum	Company Name:	XTO Energy
Address:	3122 National Parks Hwy	Address:	3104 E. Green St.
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Carlsbad, NM 88220
Phone:	303-887-2946	Email:	Garrett.Green@ExxonMobil.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Corral Canyon Expansion Battery	Turn Around	Pres. Code
Project Number:	03C1558299	☑ Routine ☐ Rush	
Project Location:		Due Date:	
Sampler's Name:	Connor Whitman	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	TM602
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	4.6
Total Containers:		Corrected Temperature:	4.4

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	CHLORIDES (EPA: 3000.0)	TPH (8015)	BTEX (8021)
FS01	S	1/25/24	1115	1	C	1			
FS02			1120						
FS03			1125						
FS04			1130						
FS05			1135						
FS06			1140						
FS07			1145						
FS08			1150						
FS09			1155						
SW01			1210	0-1					

Preservative Codes

None: NO DI Water: H_2O
Cool: Cool MeOH: Me
HCL: HC HNO_3: HN
H_2SO_4: H_2 NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Comments

Incident ID: NAPP2330049344
Cost Center: 1056571001
AFE:

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		15:36 1/26	4		
3			6		
5					

Revised Date: 08/25/2020 Rev. 2020.2

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Chain of Custody

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

Work Order No: _____

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Project Manager:	Ben Belill	Bill to: (if different)	Garrett Green
Company Name:	Ensolum	Company Name:	XTO Energy
Address:	3122 National Parks Hwy	Address:	3104 E. Green St.
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Carlsbad, NM 88220
Phone:	303-887-2946	Email:	Garrett.Green@ExxonMobil.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Corral Canyon Expansion Battery	Turn Around	☑ Routine ☐ Rush
Project Number:	03C1558299	Due Date:	
Project Location:		TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Connor Whitman		
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:		
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Temperature Reading:		
Total Containers:		Corrected Temperature:		

Preservative Codes

None: NO DI Water: H_2O
Cool: Cool MeOH: Me
HCL: HC HNO_3: HN
H_2S0_4: H_2 NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	CHLORIDES (EPA: 3000.0)	TPH (8015)	BTEX (8021)
SW02	S	1/23/24	1215	0-1	C	1		1	1	1

ANALYSIS REQUEST — Parameters

Sample Comments

Incident ID: NAPP2330049344
Cost Center: 1056571001
AFE:

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Phone: 432-704-5440

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer, Jessica	Carrier Tracking No(s):	COC No: 880-9089.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Jessica.Kramer@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 2
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-6044-1
Address: 9701 Harry Hines Blvd, ,	Due Date Requested: 2/1/2024			
City: Dallas	TAT Requested (days):			
State, Zip: TX, 75220				
Phone: 214-902-0300(Tel)	PO #:			
Email:	WO #:			
Project Name: Corral Canyon Expansion Battery	Project #: 89000093			
Site:	SSOW#:			

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
FS01 (890-6044-1)	1/25/24	11:15 Mountain		Solid			X	X	1	
FS02 (890-6044-2)	1/25/24	11:20 Mountain		Solid			X	X	1	
FS03 (890-6044-3)	1/25/24	11:25 Mountain		Solid			X	X	1	
FS04 (890-6044-4)	1/25/24	11:30 Mountain		Solid			X	X	1	
FS05 (890-6044-5)	1/25/24	11:40 Mountain		Solid			X	X	1	
FS06 (890-6044-6)	1/25/24	11:45 Mountain		Solid			X	X	1	
FS07 (890-6044-7)	1/25/24	11:50 Mountain		Solid			X	X	1	
FS08 (890-6044-8)	1/25/24	11:55 Mountain		Solid			X	X	1	
FS09 (890-6044-9)	1/25/24	12:10 Mountain		Solid			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by: FedEx	Date/Time:	Company
Relinquished by: FedEx	Date/Time: 2/2/24 932	Company	Received by:	Date/Time: 2/2/24 932	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Phone: 432-704-5440

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer, Jessica	Carrier Tracking No(s):	COC No: 880-9089.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: Jessica.Kramer@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 2 of 2
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-6044-1
Address: 9701 Harry Hines Blvd, ,	Due Date Requested: 2/1/2024			
City: Dallas	TAT Requested (days):			
State, Zip: TX, 75220				
Phone: 214-902-0300(Tel)	PO #:			
Email:	WO #:			
Project Name: Corral Canyon Expansion Battery	Project #: 89000093			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
SW01 (890-6044-10)	1/25/24	12:15 Mountain		Solid			X	X	1	
SW02 (890-6044-11)	1/25/24	11:35 Mountain		Solid			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by: FedEx	Date/Time:	Company
Relinquished by: FedEx	Date/Time: 2/2/24 932	Company	Received by:	Date/Time: 2/2/24 932	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-6044-1
SDG Number: 03C1558299

Login Number: 6044
List Number: 1
Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-6044-1
SDG Number: 03C1558299

Login Number: 6044
List Number: 3
Creator: Dabinett, Ian

List Source: Eurofins Dallas
List Creation: 02/02/24 12:43 PM

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.	False	COC not relinquished.
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-6044-1
SDG Number: 03C1558299

Login Number: 6044
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 01/30/24 10:34 AM

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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ANALYTICAL REPORT

PREPARED FOR

Attn: Ben Belill
Ensolum
601 N. Marienfeld St.
Suite 400
Midland, Texas 79701

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JOB DESCRIPTION

CORRAL CANYON EXPANSION BATTERY
03C1558299

JOB NUMBER

890-6228-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

my EOL

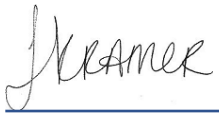
Eurofins Carlsbad

Job Notes

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

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

Authorization



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Revision 1

Authorized for release by
Jessica Kramer, Project Manager
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Client: Ensolum
Project/Site: CORRAL CANYON EXPANSION BATTERY

Laboratory Job ID: 890-6228-1
SDG: 03C1558299

Table of Contents

Definitions/Glossary

Client: Ensolum Job ID: 890-6228-1
Project/Site: CORRAL CANYON EXPANSION BATTERY SDG: 03C1558299

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: Ensolum Job ID: 890-6228-1
Project: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-6228-1 Eurofins Carlsbad

Job Narrative
890-6228-1

REVISION

The report being provided is a revision of the original report sent on 2/29/2024. The report (revision 1) is being revised due to Per client email, requesting TPH re run.

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

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

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

Receipt
The samples were received on 2/20/2024 1:27 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 3.8°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: FS01 A (890-6228-1) and SW05 (890-6228-2).

GC VOA
Method 8021B: The matrix spike (MS) recoveries for preparation batch 880-73912 and analytical batch 880-73907 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-74021 and analytical batch 880-74123 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-74123 recovered above the upper control limit for Toluene and Ethylbenzene. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-74123/20).

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 880-73899 and analytical batch 880-74227 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: FS01 A (890-6228-1), SW05 (890-6228-2) and (890-6208-A-2-I MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-73899 and analytical batch 880-74227 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-73899 and analytical batch 880-74227 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within

Case Narrative

Client: Ensolum Job ID: 890-6228-1
Project: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-6228-1 (Continued) Eurofins Carlsbad

acceptance limits.

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

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

Client Sample Results

Client: Ensolum
Project/Site: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-6228-1
SDG: 03C1558299

Client Sample ID: FS01 A

Date Collected: 02/20/24 11:50
Date Received: 02/20/24 13:27
Sample Depth: 2'

Lab Sample ID: 890-6228-1
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/23/24 15:11	02/23/24 19:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/23/24 15:11	02/23/24 19:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/23/24 15:11	02/23/24 19:01	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/23/24 15:11	02/23/24 19:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/23/24 15:11	02/23/24 19:01	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/23/24 15:11	02/23/24 19:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*02/23/24 15:11*	*02/23/24 19:01*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*02/23/24 15:11*	*02/23/24 19:01*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/23/24 19:01	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/03/24 23:27	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/03/24 00:24	03/03/24 23:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/03/24 00:24	03/03/24 23:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/03/24 00:24	03/03/24 23:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*03/03/24 00:24*	*03/03/24 23:27*	*1*
o-Terphenyl	*101*		*70 - 130*	*03/03/24 00:24*	*03/03/24 23:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**300**		5.04		mg/Kg			02/25/24 06:05	1

Client Sample ID: SW05

Date Collected: 02/20/24 12:55
Date Received: 02/20/24 13:27
Sample Depth: 0 - 2'

Lab Sample ID: 890-6228-2
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/23/24 15:11	02/23/24 19:22	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/23/24 15:11	02/23/24 19:22	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/23/24 15:11	02/23/24 19:22	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/23/24 15:11	02/23/24 19:22	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/23/24 15:11	02/23/24 19:22	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/23/24 15:11	02/23/24 19:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*02/23/24 15:11*	*02/23/24 19:22*	*1*

Client Sample Results

Client: Ensolum
Project/Site: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-6228-1
SDG: 03C1558299

Client Sample ID: SW05

Date Collected: 02/20/24 12:55
Date Received: 02/20/24 13:27
Sample Depth: 0 - 2'

Lab Sample ID: 890-6228-2

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*02/23/24 15:11*	*02/23/24 19:22*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			02/23/24 19:22	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/29/24 00:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/22/24 17:59	02/29/24 00:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0	mg/Kg		02/22/24 17:59	02/29/24 00:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/22/24 17:59	02/29/24 00:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*139*	*S1+*	*70 - 130*	*02/22/24 17:59*	*02/29/24 00:38*	*1*
o-Terphenyl	*117*		*70 - 130*	*02/22/24 17:59*	*02/29/24 00:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**222**		4.97	mg/Kg			02/25/24 06:10	1

Surrogate Summary

Client: Ensolum
Project/Site: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-6228-1
SDG: 03C1558299

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-39759-A-1-B MS	Matrix Spike	92	107
880-39759-A-1-C MSD	Matrix Spike Duplicate	97	113
890-6228-1	FS01 A	93	108
890-6228-1 MS	FS01 A	114	99
890-6228-1 MSD	FS01 A	105	102
890-6228-2	SW05	92	109
LCS 880-73912/1-A	Lab Control Sample	89	108
LCS 880-74021/1-A	Lab Control Sample	103	100
LCSD 880-73912/2-A	Lab Control Sample Dup	89	103
LCSD 880-74021/2-A	Lab Control Sample Dup	118	100
MB 880-73912/5-A	Method Blank	75	102
MB 880-74021/5-A	Method Blank	129	129

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-6208-A-2-I MS	Matrix Spike	157 S1+	117
890-6208-A-2-J MSD	Matrix Spike Duplicate	128	100
890-6228-1	FS01 A	113	101
890-6228-2	SW05	139 S1+	117
890-6285-A-39-D MS	Matrix Spike	119	96
890-6285-A-39-E MSD	Matrix Spike Duplicate	118	97
LCS 880-73899/2-A	Lab Control Sample	128	127
LCS 880-74527/2-A	Lab Control Sample	83	71
LCSD 880-73899/3-A	Lab Control Sample Dup	90	88
LCSD 880-74527/3-A	Lab Control Sample Dup	97	84
MB 880-73899/1-A	Method Blank	199 S1+	178 S1+
MB 880-74527/1-A	Method Blank	107	97

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum
Project/Site: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-6228-1
SDG: 03C1558299

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-73912/5-A
Matrix: Solid
Analysis Batch: 73907

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 73912

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/23/24 08:11	02/23/24 14:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/23/24 08:11	02/23/24 14:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/23/24 08:11	02/23/24 14:01	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/23/24 08:11	02/23/24 14:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/23/24 08:11	02/23/24 14:01	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/23/24 08:11	02/23/24 14:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*75*		*70 - 130*	*02/23/24 08:11*	*02/23/24 14:01*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*02/23/24 08:11*	*02/23/24 14:01*	*1*

Lab Sample ID: LCS 880-73912/1-A
Matrix: Solid
Analysis Batch: 73907

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 73912

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1177		mg/Kg		118	70 - 130		
Toluene			0.100	0.09419		mg/Kg		94	70 - 130		
Ethylbenzene			0.100	0.09140		mg/Kg		91	70 - 130		
m-Xylene & p-Xylene			0.200	0.1816		mg/Kg		91	70 - 130		
o-Xylene			0.100	0.09206		mg/Kg		92	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

Lab Sample ID: LCSD 880-73912/2-A
Matrix: Solid
Analysis Batch: 73907

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 73912

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1059		mg/Kg		106	70 - 130	11	35
Toluene			0.100	0.09157		mg/Kg		92	70 - 130	3	35
Ethylbenzene			0.100	0.09162		mg/Kg		92	70 - 130	0	35
m-Xylene & p-Xylene			0.200	0.1808		mg/Kg		90	70 - 130	0	35
o-Xylene			0.100	0.09140		mg/Kg		91	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 880-39759-A-1-B MS
Matrix: Solid
Analysis Batch: 73907

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 73912

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U	0.101	0.1011		mg/Kg		100	70 - 130		
Toluene	<0.00199	U	0.101	0.07676		mg/Kg		76	70 - 130		

QC Sample Results

Client: Ensolum
Project/Site: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-6228-1
SDG: 03C1558299

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

Lab Sample ID: 880-39759-A-1-B MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 73907 — **Prep Batch: 73912**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U F1	0.101	0.06923	F1	mg/Kg		69	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1	0.202	0.1365	F1	mg/Kg		68	70 - 130
o-Xylene	<0.00199	U	0.101	0.07072		mg/Kg		70	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: 880-39759-A-1-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 73907 — **Prep Batch: 73912**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.1178		mg/Kg		118	70 - 130	15	35
Toluene	<0.00199	U	0.100	0.08516		mg/Kg		85	70 - 130	10	35
Ethylbenzene	<0.00199	U F1	0.100	0.07452		mg/Kg		75	70 - 130	7	35
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.1449		mg/Kg		72	70 - 130	6	35
o-Xylene	<0.00199	U	0.100	0.07455		mg/Kg		75	70 - 130	5	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*

Lab Sample ID: MB 880-74021/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 74123 — **Prep Batch: 74021**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/26/24 11:29	02/27/24 14:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/26/24 11:29	02/27/24 14:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/26/24 11:29	02/27/24 14:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/26/24 11:29	02/27/24 14:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/26/24 11:29	02/27/24 14:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/26/24 11:29	02/27/24 14:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*129*		*70 - 130*	*02/26/24 11:29*	*02/27/24 14:15*	*1*
1,4-Difluorobenzene (Surr)	*129*		*70 - 130*	*02/26/24 11:29*	*02/27/24 14:15*	*1*

Lab Sample ID: LCS 880-74021/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 74123 — **Prep Batch: 74021**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1266		mg/Kg		127	70 - 130
Toluene	0.100	0.1100		mg/Kg		110	70 - 130
Ethylbenzene	0.100	0.1207		mg/Kg		121	70 - 130
m-Xylene & p-Xylene	0.200	0.2029		mg/Kg		101	70 - 130

QC Sample Results

Client: Ensolum
Project/Site: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-6228-1
SDG: 03C1558299

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

Lab Sample ID: LCS 880-74021/1-A
Matrix: Solid
Analysis Batch: 74123

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 74021

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.1065		mg/Kg		106	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 880-74021/2-A
Matrix: Solid
Analysis Batch: 74123

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 74021

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1302		mg/Kg		130	70 - 130	3	35
Toluene			0.100	0.1187		mg/Kg		119	70 - 130	8	35
Ethylbenzene			0.100	0.1319	*+	mg/Kg		132	70 - 130	9	35
m-Xylene & p-Xylene			0.200	0.2429		mg/Kg		121	70 - 130	18	35
o-Xylene			0.100	0.1259		mg/Kg		126	70 - 130	17	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 890-6228-1 MS
Matrix: Solid
Analysis Batch: 74123

Client Sample ID: FS01 A
Prep Type: Total/NA
Prep Batch: 74021

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U	0.101	0.1138		mg/Kg		113	70 - 130		
Toluene	<0.00199	U	0.101	0.1022		mg/Kg		101	70 - 130		
Ethylbenzene	<0.00199	U *+	0.101	0.1237		mg/Kg		123	70 - 130		
m-Xylene & p-Xylene	<0.00398	U	0.202	0.2407		mg/Kg		119	70 - 130		
o-Xylene	<0.00199	U	0.101	0.1127		mg/Kg		111	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 890-6228-1 MSD
Matrix: Solid
Analysis Batch: 74123

Client Sample ID: FS01 A
Prep Type: Total/NA
Prep Batch: 74021

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.1035		mg/Kg		104	70 - 130	9	35
Toluene	<0.00199	U	0.100	0.09378		mg/Kg		94	70 - 130	9	35
Ethylbenzene	<0.00199	U *+	0.100	0.1083		mg/Kg		108	70 - 130	13	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2053		mg/Kg		103	70 - 130	16	35
o-Xylene	<0.00199	U	0.100	0.09696		mg/Kg		96	70 - 130	15	35

QC Sample Results

Client: Ensolum
Project/Site: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-6228-1
SDG: 03C1558299

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

Lab Sample ID: 890-6228-1 MSD
Matrix: Solid
Analysis Batch: 74123

Client Sample ID: FS01 A
Prep Type: Total/NA
Prep Batch: 74021

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

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

Lab Sample ID: MB 880-73899/1-A
Matrix: Solid
Analysis Batch: 74227

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 73899

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/22/24 17:59	02/28/24 19:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/22/24 17:59	02/28/24 19:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/22/24 17:59	02/28/24 19:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	199	S1+	70 - 130	02/22/24 17:59	02/28/24 19:35	1
o-Terphenyl	178	S1+	70 - 130	02/22/24 17:59	02/28/24 19:35	1

Lab Sample ID: LCS 880-73899/2-A
Matrix: Solid
Analysis Batch: 74227

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 73899

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1200		mg/Kg		120	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1061		mg/Kg		106	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	128		70 - 130
o-Terphenyl	127		70 - 130

Lab Sample ID: LCSD 880-73899/3-A
Matrix: Solid
Analysis Batch: 74227

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 73899

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1032		mg/Kg		103	70 - 130	15	20
Diesel Range Organics (Over C10-C28)			1000	766.8	*1	mg/Kg		77	70 - 130	32	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	90		70 - 130
o-Terphenyl	88		70 - 130

QC Sample Results

Client: Ensolum
Project/Site: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-6228-1
SDG: 03C1558299

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

Lab Sample ID: 890-6208-A-2-I MS
Matrix: Solid
Analysis Batch: 74227

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 73899

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	1010	1286		mg/Kg		124	70 - 130
Diesel Range Organics (Over C10-C28)	<49.6	U F1 *1	1010	1781	F1	mg/Kg		174	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*157*	*S1+*	*70 - 130*
o-Terphenyl	*117*		*70 - 130*

Lab Sample ID: 890-6208-A-2-J MSD
Matrix: Solid
Analysis Batch: 74227

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 73899

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	1010	1088		mg/Kg		104	70 - 130	17	20
Diesel Range Organics (Over C10-C28)	<49.6	U F1 *1	1010	1523	F1	mg/Kg		149	70 - 130	16	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*128*		*70 - 130*
o-Terphenyl	*100*		*70 - 130*

Lab Sample ID: MB 880-74527/1-A
Matrix: Solid
Analysis Batch: 74540

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 74527

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/03/24 00:24	03/03/24 20:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/03/24 00:24	03/03/24 20:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/03/24 00:24	03/03/24 20:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*03/03/24 00:24*	*03/03/24 20:56*	*1*
o-Terphenyl	*97*		*70 - 130*	*03/03/24 00:24*	*03/03/24 20:56*	*1*

Lab Sample ID: LCS 880-74527/2-A
Matrix: Solid
Analysis Batch: 74540

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 74527

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	761.7		mg/Kg		76	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1023		mg/Kg		102	70 - 130

QC Sample Results

Client: Ensolum
Project/Site: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-6228-1
SDG: 03C1558299

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

Lab Sample ID: LCS 880-74527/2-A
Matrix: Solid
Analysis Batch: 74540

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 74527

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	83		70 - 130
o-Terphenyl	71		70 - 130

Lab Sample ID: LCSD 880-74527/3-A
Matrix: Solid
Analysis Batch: 74540

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 74527

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	805.8		mg/Kg		81	70 - 130	6	20
Diesel Range Organics (Over C10-C28)			1000	1218		mg/Kg		122	70 - 130	17	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenyl	84		70 - 130

Lab Sample ID: 890-6285-A-39-D MS
Matrix: Solid
Analysis Batch: 74540

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 74527

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	1000	906.2		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	<49.6	U	1000	1062		mg/Kg		102	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	119		70 - 130
o-Terphenyl	96		70 - 130

Lab Sample ID: 890-6285-A-39-E MSD
Matrix: Solid
Analysis Batch: 74540

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 74527

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	1000	923.7		mg/Kg		88	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.6	U	1000	1070		mg/Kg		103	70 - 130	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	118		70 - 130
o-Terphenyl	97		70 - 130

QC Sample Results

Client: Ensolum
Project/Site: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-6228-1
SDG: 03C1558299

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-73800/1-A
Matrix: Solid
Analysis Batch: 73928

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/25/24 03:56	1

Lab Sample ID: LCS 880-73800/2-A
Matrix: Solid
Analysis Batch: 73928

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	259.9		mg/Kg		104	90 - 110		

Lab Sample ID: LCSD 880-73800/3-A
Matrix: Solid
Analysis Batch: 73928

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	260.3		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 880-39711-A-31-B MS
Matrix: Solid
Analysis Batch: 73928

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	122		249	378.4		mg/Kg		103	90 - 110		

Lab Sample ID: 880-39711-A-31-C MSD
Matrix: Solid
Analysis Batch: 73928

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	122		249	374.9		mg/Kg		102	90 - 110	1	20

QC Association Summary

Client: Ensolum
Project/Site: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-6228-1
SDG: 03C1558299

GC VOA

Analysis Batch: 73907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6228-1	FS01 A	Total/NA	Solid	8021B	73912
890-6228-2	SW05	Total/NA	Solid	8021B	73912
MB 880-73912/5-A	Method Blank	Total/NA	Solid	8021B	73912
LCS 880-73912/1-A	Lab Control Sample	Total/NA	Solid	8021B	73912
LCSD 880-73912/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	73912
880-39759-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	73912
880-39759-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	73912

Prep Batch: 73912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6228-1	FS01 A	Total/NA	Solid	5035	
890-6228-2	SW05	Total/NA	Solid	5035	
MB 880-73912/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-73912/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-73912/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-39759-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-39759-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 74021

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-74021/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-74021/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-74021/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-6228-1 MS	FS01 A	Total/NA	Solid	5035	
890-6228-1 MSD	FS01 A	Total/NA	Solid	5035	

Analysis Batch: 74052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6228-1	FS01 A	Total/NA	Solid	Total BTEX	
890-6228-2	SW05	Total/NA	Solid	Total BTEX	

Analysis Batch: 74123

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-74021/5-A	Method Blank	Total/NA	Solid	8021B	74021
LCS 880-74021/1-A	Lab Control Sample	Total/NA	Solid	8021B	74021
LCSD 880-74021/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	74021
890-6228-1 MS	FS01 A	Total/NA	Solid	8021B	74021
890-6228-1 MSD	FS01 A	Total/NA	Solid	8021B	74021

GC Semi VOA

Prep Batch: 73899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6228-2	SW05	Total/NA	Solid	8015NM Prep	
MB 880-73899/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-73899/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-73899/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6208-A-2-I MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-6208-A-2-J MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Ensolum
Project/Site: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-6228-1
SDG: 03C1558299

GC Semi VOA

Analysis Batch: 74227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6228-2	SW05	Total/NA	Solid	8015B NM	73899
MB 880-73899/1-A	Method Blank	Total/NA	Solid	8015B NM	73899
LCS 880-73899/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	73899
LCSD 880-73899/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	73899
890-6208-A-2-I MS	Matrix Spike	Total/NA	Solid	8015B NM	73899
890-6208-A-2-J MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	73899

Analysis Batch: 74357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6228-1	FS01 A	Total/NA	Solid	8015 NM	
890-6228-2	SW05	Total/NA	Solid	8015 NM	

Prep Batch: 74527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6228-1	FS01 A	Total/NA	Solid	8015NM Prep	
MB 880-74527/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-74527/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-74527/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6285-A-39-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-6285-A-39-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 74540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6228-1	FS01 A	Total/NA	Solid	8015B NM	74527
MB 880-74527/1-A	Method Blank	Total/NA	Solid	8015B NM	74527
LCS 880-74527/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	74527
LCSD 880-74527/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	74527
890-6285-A-39-D MS	Matrix Spike	Total/NA	Solid	8015B NM	74527
890-6285-A-39-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	74527

HPLC/IC

Leach Batch: 73800

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6228-1	FS01 A	Soluble	Solid	DI Leach	
890-6228-2	SW05	Soluble	Solid	DI Leach	
MB 880-73800/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-73800/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-73800/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-39711-A-31-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-39711-A-31-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 73928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6228-1	FS01 A	Soluble	Solid	300.0	73800
890-6228-2	SW05	Soluble	Solid	300.0	73800
MB 880-73800/1-A	Method Blank	Soluble	Solid	300.0	73800
LCS 880-73800/2-A	Lab Control Sample	Soluble	Solid	300.0	73800
LCSD 880-73800/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	73800
880-39711-A-31-B MS	Matrix Spike	Soluble	Solid	300.0	73800
880-39711-A-31-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	73800

Lab Chronicle

Client: Ensolum
Project/Site: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-6228-1
SDG: 03C1558299

Client Sample ID: FS01 A

Date Collected: 02/20/24 11:50
Date Received: 02/20/24 13:27

Lab Sample ID: 890-6228-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	73912	02/23/24 15:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73907	02/23/24 19:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74052	02/23/24 19:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			74357	03/03/24 23:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	74527	03/03/24 00:24	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74540	03/03/24 23:27	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	73800	02/21/24 15:14	SA	EET MID
Soluble	Analysis	300.0		1			73928	02/25/24 06:05	CH	EET MID

Client Sample ID: SW05

Date Collected: 02/20/24 12:55
Date Received: 02/20/24 13:27

Lab Sample ID: 890-6228-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	73912	02/23/24 15:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73907	02/23/24 19:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74052	02/23/24 19:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			74357	02/29/24 00:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	73899	02/22/24 17:59	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74227	02/29/24 00:38	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	73800	02/21/24 15:14	SA	EET MID
Soluble	Analysis	300.0		1			73928	02/25/24 06:10	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum
Project/Site: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-6228-1
SDG: 03C1558299

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Ensolum
Project/Site: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-6228-1
SDG: 03C1558299

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

Protocol References:

ASTM = ASTM International
EPA = US Environmental Protection Agency
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Ensolum
Project/Site: CORRAL CANYON EXPANSION BATTERY

Job ID: 890-6228-1
SDG: 03C1558299

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-6228-1	FS01 A	Solid	02/20/24 11:50	02/20/24 13:27	2'
890-6228-2	SW05	Solid	02/20/24 12:55	02/20/24 13:27	0 - 2'

eurofins | Environment Testing Xenco

Chain of Custody

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

Work Order No: _____

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Project Manager:	Ben Belill	Bill to: (if different)	Garrett Green
Company Name:	Ensolum, LLC	Company Name:	XTO Energy
Address:	3122 National Parks Hwy	Address:	3104 E. Greene St
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Carlsbad, NM 88220
Phone:	989-854-0852	Email:	Garrett.Green@ExxonMobil.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Corral Canyon Expansion Battery	Turn Around	
Project Number:	03C1558299	☒ Routine ☐ Rush	
Project Location:	32.153316, -104.00022	Due Date:	5 days
Sampler's Name:	Mariaha O'Dell	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
~~Temp Blank:~~	(Yes) ~~No~~	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	TM002
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	4.0
Total Containers:		Corrected Temperature:	3.8

Preservative Codes

None: NO | DI Water: H_2O
Cool | MeOH: Me
HC | HNO_3: HN
H_2: H_2 | NaOH: Na
H_4: HP
O_4: NABIS
$_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

ANALYSIS REQUEST

890-6228 Chain of Custody

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: Chloride	TPH	BTEX
FS01A	S	2/20/24	11:50	2'	C	1		X	X	X
SW05	S	↓	11:55	0-2'	C	1		X	X	X

Sample Comments

Incident #:
NAPP2330049344
Cost Center:
1051571001
Ben Belill:
bbelill@ensolum.com

MD

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	M. O'Dell	[signature]	2.20 13:27	2		
3				4		
5				6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-6228-1
SDG Number: 03C1558299

Login Number: 6228
List Number: 1
Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-6228-1
SDG Number: 03C1558299

Login Number: 6228
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 02/21/24 11:47 AM

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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QUESTIONS

Action 333496

QUESTIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 333496
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2330049344**
Incident Name	**NAPP2330049344 CORRAL CANYON EXPANSION BATTERY @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Closure Report Received**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	CORRAL CANYON EXPANSION BATTERY
Date Release Discovered	10/15/2023
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	Cause: Corrosion | Other (Specify) | Produced Water | Released: 12 BBL | Recovered: 10 BBL | Lost: 2 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 333496
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**No**
Reasons why this would be considered a submission for a notification of a major release	*Unavailable.*
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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

I hereby agree and sign off to the above statement	Name: Alan Romero Title: Regulatory Analyst Email: alan.romero1@exxonmobil.com Date: 04/15/2024

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QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 333496
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Between ½ and 1 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 1000 (ft.) and ½ (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	322
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	67.1
GRO+DRO (EPA SW-846 Method 8015M)	67.1
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	01/02/2024
On what date will (or did) the final sampling or liner inspection occur	02/20/2024
On what date will (or was) the remediation complete(d)	02/22/2024
What is the estimated surface area (in square feet) that will be reclaimed	3643
What is the estimated volume (in cubic yards) that will be reclaimed	265
What is the estimated surface area (in square feet) that will be remediated	3643
What is the estimated volume (in cubic yards) that will be remediated	0
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 333496
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	HALFWAY DISPOSAL AND LANDFILL [fEEM0112334510]
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	*Not answered.*
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Alan Romero Title: Regulatory Analyst Email: alan.romero1@exxonmobil.com Date: 04/15/2024
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 333496
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only *Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.*	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 333496
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**315243**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**02/20/2024**
What was the (estimated) number of samples that were to be gathered	**4**
What was the sampling surface area in square feet	**800**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Was this release entirely contained within a lined containment area	**No**
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	3643
What was the total volume (cubic yards) remediated	0
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	2968
What was the total volume (in cubic yards) reclaimed	165
Summarize any additional remediation activities not included by answers (above)	Site assessment and excavation activities were conducted at the Site to address the October 15, 2023 release of produced water. Laboratory analytical results for the delineation soil samples, indicated impacted soil existed at the Site, however, waste-containing soil was identified in the top 4 feet. XTO removed all waste-containing soil that was accessible on pad. Laboratory analytical results for final excavation soil samples indicated all COC concentrations were compliant with the reclamation requirement. A maximum of 100 cubic yards of waste containing soil are left in place, assuming a maximum extent of 4 feet bgs, immediately adjacent to and underneath the active production equipment which will be addressed during pad abandonment or major facility reconstruction.

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: Alan Romero Title: Regulatory Analyst Email: alan.romero1@exxonmobil.com Date: 04/15/2024

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

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 333496
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 333496

CONDITIONS

Operator:	OGRID:
XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	5380
	Action Number: 333496
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
crystal.walker	Closure Approved. Please provide sampling notification for all sampling that is utilized for confirmation sampling. Failure to provide proper sampling notice is a compliance issue and OCD may pursue compliance actions pursuant to 19.15.5 NMAC. Operator shall ensure future compliance with 19.15.29.12.D.(1).(a) NMAC	5/9/2024