ENSOLUM

December 20, 2022

New Mexico Oil Conservation Division
New Mexico Energy, Minerals, and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: Closure Request
Leamex 8
Incident Number NAPP2200641724
Lea County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Maverick Natural Resources, LLC (Maverick), has prepared this *Closure Request* to document site assessment, excavation, and soil sampling activities performed at the Leamex 8 (Site) as outlined in an approved *Remediation Work Plan (Work Plan)*, dated September 16, 2022. The release occurred under the oversight of a former operator, but Maverick purchased the asset and is responsible for resolving soil impacts. Based on the results presented in this report, Maverick is submitting this *Closure Request*, describing remediation that has occurred and requesting closure for Incident Number NAPP2200641724.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit M, Section 24, Township 17 South, Range 33 East, in Lea County, New Mexico (32.816111° N, 103.621202° W; Figure 1) and is associated with oil and gas exploration and production operations on New Mexico State Land.

On December 20, 2021, a leak from an underground main injection line resulted in the release of approximately 104 barrels (bbls) of produced water into the pasture area where fluids pooled. A vacuum truck was immediately dispatched to the Site to recover free-standing fluids; approximately 100 bbls of produced water were recovered. The previous operator (ConocoPhillips Company) reported the release immediately via email to the New Mexico Oil Conservation Division (NMOCD) on December 21, 2021 and submitted a Release Notification Form C-141 (Form C-141) on January 6, 2022. The release was assigned Incident Number NAPP2200641724.

Between March 17 and 22, 2022, delineation activities were conducted at the Site to assess the lateral and vertical extent of impacted soil. Delineation soil samples were collected at depths ranging from 1-foot to 9 feet bgs in locations depicted on Figure 2. Field screening and laboratory analytical results indicated elevated total petroleum hydrocarbon (TPH) and chloride concentrations existed in the top 3.5 feet below ground surface (bgs) of the release area. As a result, Maverick submitted the *Work Plan* and proposed excavation and disposal of impacted soil from the top 4 feet of the subsurface, confirmation sampling every 500 square feet of the excavation, and evaluating depth to water with a boring to at least 105 feet bgs.

The *Work Plan* was approved by NMOCD on September 21, 2022 via email with the following conditions:

> *Remediation Plan Approved with Conditions. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Composite confirmation samples will be collected from the bottom of the excavation from areas representing no more than four hundred (400) square feet. Composite confirmation samples will be collected from the sidewalls of the excavation from areas representing no more than two hundred (200) square feet.*

What follows is a description of the work completed in compliance with these conditions and the approved *Work Plan*.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

As documented in the *Work Plan*, 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 diesel range organics (DRO): 1,000 mg/kg
- TPH: 2,500 mg/kg
- Chloride: 20,000 mg/kg

A reclamation requirement of 600 mg/kg chloride and 100 mg/kg TPH applies to the top 4 feet of the pasture area that was impacted by the release, per NMAC 19.15.29.13.D (1) for the top 4 feet of areas that will be reclaimed following remediation.

EXCAVATION ACTIVITIES AND LABORATORY ANALYTICAL RESULTS

Between November 14, 2022 and December 13, 2022, Ensolum personnel were onsite to oversee excavation activities as detailed in the approved *Work Plan.* Excavation activities were performed via track-hoe and transport vehicles. To direct excavation activities, soil was field screened for volatile organic compounds (VOCs) and chloride utilizing Hach® chloride QuanTab® test strips. The excavation was completed at depths ranging from 1-foot bgs to 4 feet bgs. Photographic documentation is included in Appendix A.

Following removal of impacted soil, 5-point composite soil samples were collected every 400 square feet from the floor of the exavation and every 200 square feet from the 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 FS39 were collected from the floor of the excavation at depths ranging from 1-foot bgs to 4 feet bgs. Composite soil samples SW01 through SW22 were collected from the sidewalls of the excavation at depths ranging from the ground surface to a maximum 4 feet bgs. The composite samples were field screened for VOCs and chloride as described above. The excavation extent and excavation soil sample locations were mapped utilizing a handheld GPS unit and are depicted on Figure 3.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Eurofins Laboratories (Eurofins) in Carlsbad, New Mexico,

for analysis of the following constituents of concern (COC): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0. Soil samples delivered to the laboratory the same day they are collected may not have equilibrated to the 6 degrees Celcius required for shipment, but are considered to have been received in acceptable condition.

Laboratory analytical results for excavation soil samples FS01 through FS39 indicated all COC concentrations were compliant with the Closure Criteria and reclamation requirement. Laboratory analytical results for all final excavation sidewall soil samples (SW01 through SW19 and SW22) indicated concentrations of all COCs were compliant with the Closure Criteria and the reclamation requirement and successfully define the lateral extent of the release. Laboratory analytical results for excavation soil sample SW20 indicated TPH concentrations exceeded the reclamation requirement. Additional soil was removed and confirmed with subsequent soil sample SW23. Laboratory analytical results are provided on Table 1 and laboratory analytical reports are included as Appendix B.

The excavation measured approximately 15,750 square feet in areal extent. A total of approximately 2,350 cubic yards of impacted soil were removed during the excavation activities. The soil was transported and properly disposed of at the R360 Disposal Facility in Hobbs, New Mexico. After completion of confirmation sampling, the excavation was secured with fencing.

DEPTH TO WATER DETERMINATION

On December 13, 2022, a borehole (BH01) was advanced to a depth of 120 feet bgs via air rotary drill rig. The borehole was located approximately 264 feet southwest of the Site and is depicted on Figure 1. A field geologist logged and described soils continuously. The borehole lithologic/soil sampling log is included in Appendix C. The borehole was left open for over 72 hours to allow for potential slow infill of groundwater. After the 72-hour waiting period without observing groundwater, it was confirmed that groundwater beneath the Site is greater than 100 feet bgs. The borehole was properly abandoned using hydrated bentonite chips.

CLOSURE REQUEST

Excavation activities were carried out and confirmed as approved in the *Work Plan*. Laboratory analytical results for the confirmation soil samples indicated all COC concentrations were compliant with the Closure Criteria and reclamation requirement. The release was delineated laterally by the final excavation sidewall samples. A borehole drilled to 120 feet bgs at the Site did not contain evidence of water, confirming depth to groundwater is greater than 100 feet bgs. As such, Maverick respectfully requests closure for Incident Number NAPP2200641724. Maverick will backfill the excavation with material purchased locally and recontour the Site to match pre-existing site conditions. The Final C-141 is included as Appendix D and sampling notifications are included in Appendix E.

If you have any questions or comments, please contact Ms. Kalei Jennings at (817) 683-2503 or kjennings@ensolum.com.

Sincerely,
Ensolum, LLC

Hadlie Green
Staff Geologist

Kalei Jennings
Senior Scientist

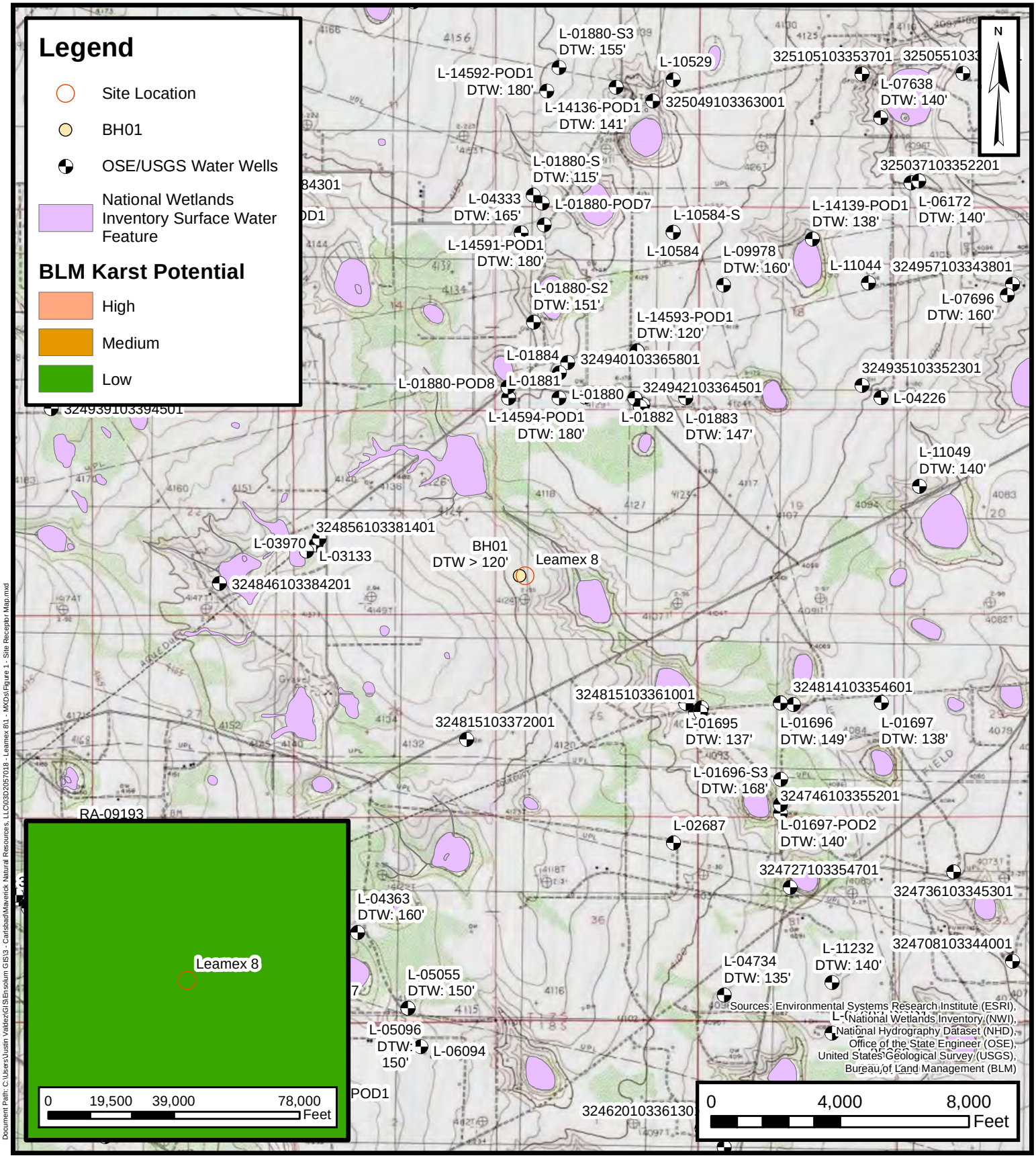
cc: Bryce Wagoner, Maverick Natural Resources
New Mexico State Land Office

Appendices:

Figure 1	Site Location Map
Figure 2	Delineation Soil Sample Locations
Figure 3	Excavation Soil Sample Locations
Table 1	Soil Sample Analytical Results
Appendix A	Photographic Log
Appendix B	Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix C	Referenced Well Records
Appendix D	Final C-141
Appendix E	NMOCD Notifications

ENSOLUM

FIGURES



Document Path: C:\Users\Justin Valdez\GIS\Ensolum GIS\3 - Carlsbad\Maverick Natural Resources, LLC\03D2057018 - Leamex 8\1 - MXDs\Figure 1 - Site Receptor Map.mxd

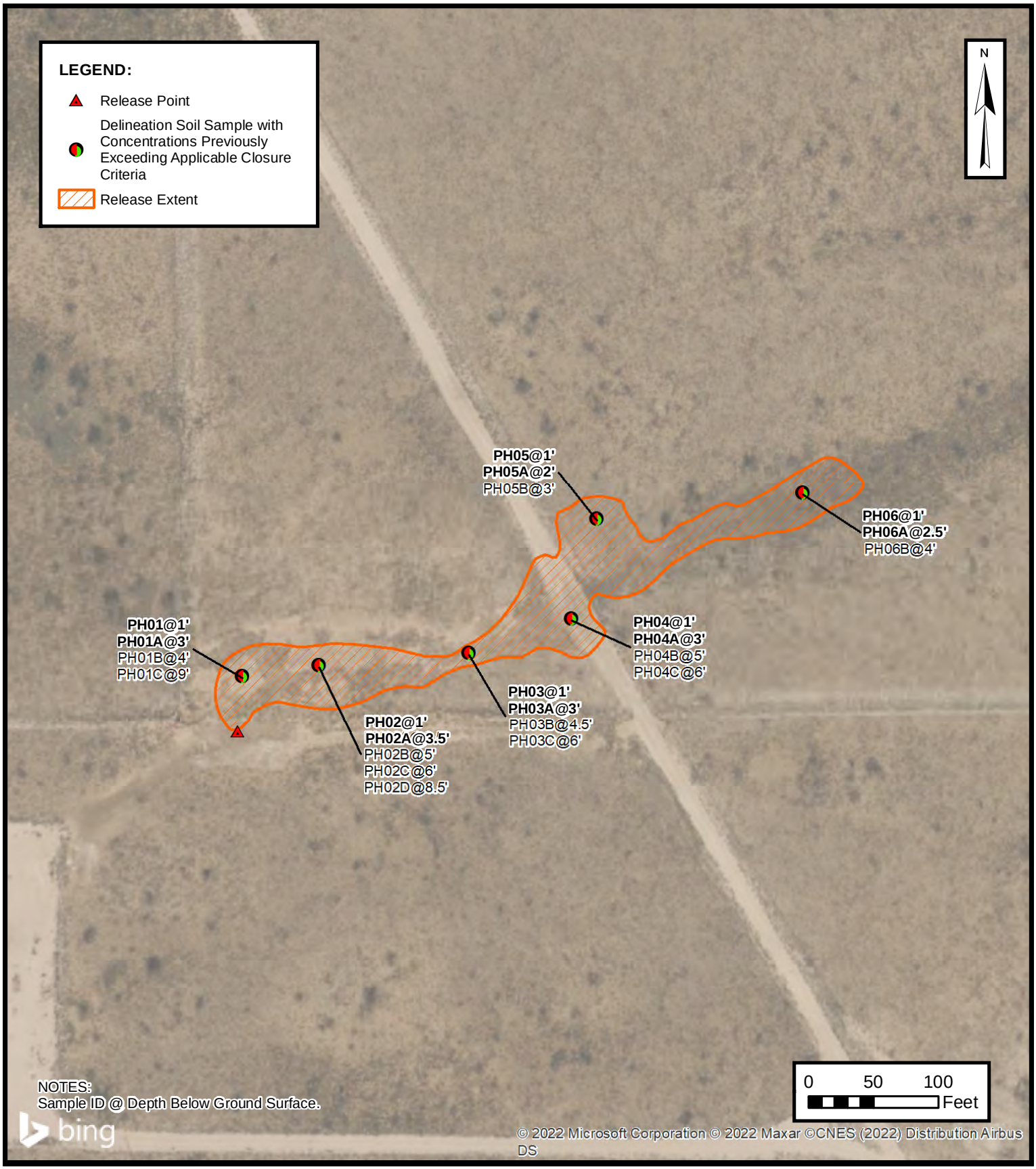
ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Site Receptor Map

Maverick Natural Resources, LLC
Leamex 8
Incident Number: NAPP2200641724
Unit M, Sec 24, T17S, R33E
Lea County, New Mexico

FIGURE

1

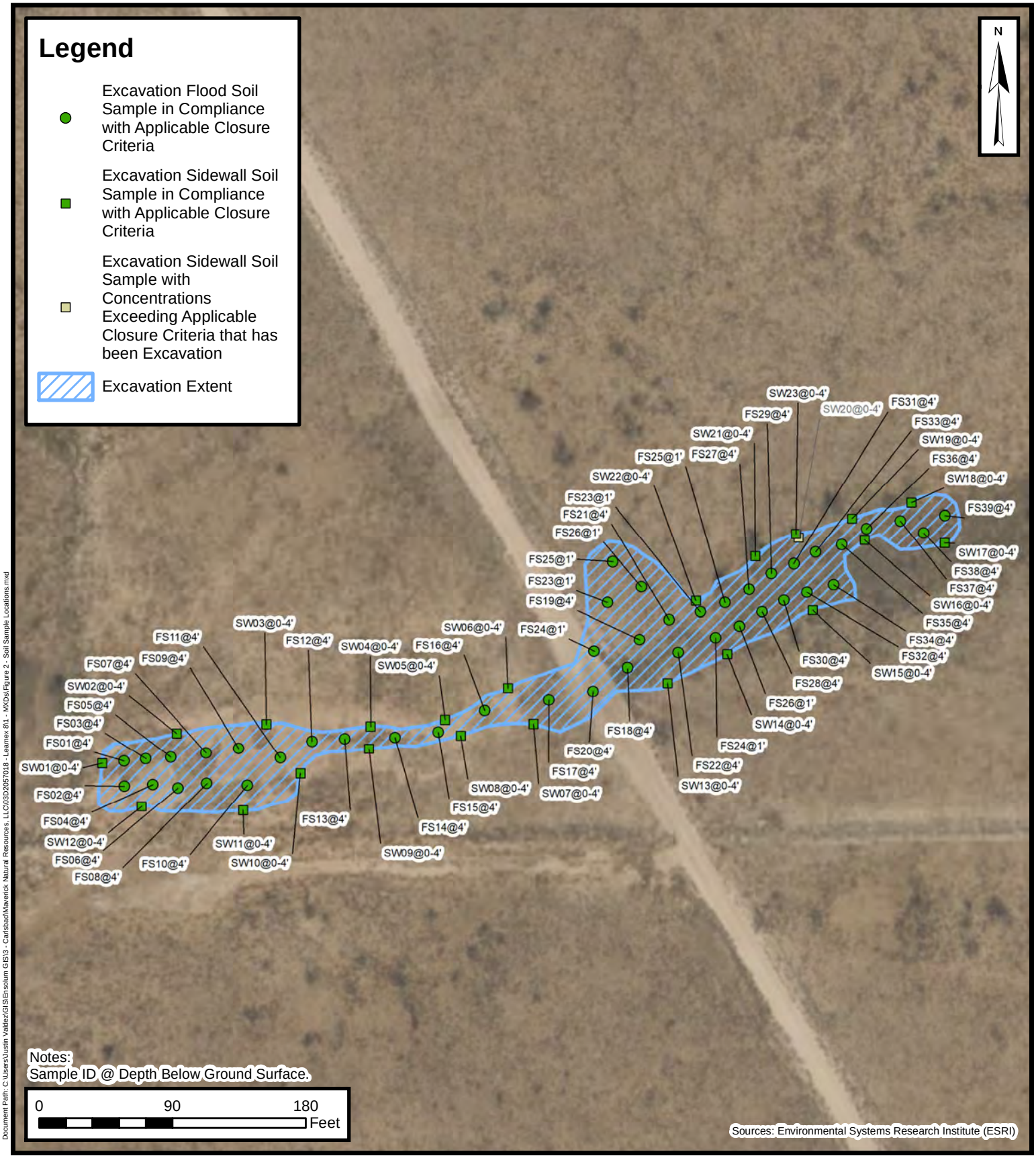


ENSOLUM
Environmental & Hydrogeologic Consultants

DELINEATION SOIL SAMPLE LOCATIONS

MAVERICK NATURAL RESOURCES, LLC
LEAMEX 8
NAPP2200641724
Unit M, Sec 24, T17S, R33E
Lea County, New Mexico

FIGURE
2



Document Path: C:\Users\Justin Valdez\GIS\Ensolum GIS\3 - Carlsbad\Maverick Natural Resources, LLC\03D2057018 - Leamex 8\1 - MXDs\Figure 2 - Soil Sample Locations.mxd

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Excavation Soil Sample Locations

Maverick Natural Resources, LLC
Leamex 8
Incident Number: NAPP2200641724
Unit M, Sec 24, T17S, R33E
Lea County, New Mexico

FIGURE
2

ENSOLUM

TABLES

ENSOLUM

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Leamex 8
Maverick Natural Resources, LLC
Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Preliminary Assessment Soil Samples										
SS01	12/29/2021	0.25	<0.0402	<0.0805	<49.9	<49.9	<49.9	<49.9	<49.9	19,300*
SS02	12/29/2021	0.25	0.042	0.129	<49.9	<49.9	<49.9	<49.9	<49.9	**29,400***
SS03	12/29/2021	0.25	<0.0402	<0.0803	<50.0	<50.0	<50.0	<50.0	<50.0	**40,500***
SS04	12/29/2021	0.25	<0.0396	<0.0792	<50.0	<50.0	<50.0	<50.0	<50.0	**24,100***
SS05	12/29/2021	0.25	<0.0398	<0.0795	<50.0	<50.0	<50.0	<50.0	<50.0	**31,800***
SS06	12/29/2021	0.25	<0.0398	<0.0795	<49.9	<49.9	<49.9	<49.9	<49.9	**22,400***
SS07	03/16/2022	0.5	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	<50.0	**22,700***
SS08	03/16/2022	0.5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	17,500*
SS09	03/16/2022	0.5	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	21.3*
SS10	03/16/2022	0.5	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	16,100*
Delineation Soil Samples										
PH01	03/17/2022	1	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	6,440*
PH01A	03/21/2022	3	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	5,140*
PH01B	03/21/2022	4	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	2,480
PH01C	03/22/2022	9	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	593
PH02	03/17/2022	1	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	<49.9	5,470*
PH02A	03/21/2022	3.5	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	797*
PH02B	03/21/2022	5	<0.00200	<0.00400	<49.7	<49.7	<49.7	<49.7	<49.7	3,000
PH02C	03/22/2022	6	<0.00198	<0.00396	<50.0	<50.0	71.6	<50.0	71.6	1,810
PH02D	03/22/2022	8.5	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	67.1
PH03	03/17/2022	1	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	<50.0	7,450*
PH03A	03/21/2022	3	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	3,250*
PH03B	03/21/2022	4.5	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	<49.9	1,270
PH03C	03/21/2022	6	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	<49.9	504
PH04	03/17/2022	1	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	9,160*
PH04A	03/17/2022	3	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	1,650*
PH04B	03/17/2022	5	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	329
PH04C	03/21/2022	6	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	<49.9	124
PH05	03/22/2022	1	<0.00200	<0.00401	<49.7	136	<49.7	136	136*	34.7*
PH05A	03/22/2022	2	<0.00200	<0.00401	<50.0	97.8	<50.0	97.8	97.8	68.5*
PH05B	03/22/2022	3	<0.00202	<0.00404	<49.9	63.8	<49.9	63.8	63.8	53.0*
PH06	03/17/2022	1	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	5,580*
PH06A	03/22/2022	2.5	<0.00201	<0.00402	<49.9	73.0	<49.9	73.0	73.0	1,980*
PH06B	03/22/2022	4	<0.00199	<0.00398	<49.8	50.4	<49.8	50.4	50.4	372

ENSOLUM

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Leamex 8
Maverick Natural Resources, LLC
Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Excavation Floor Samples										
FS01	11/14/2022	4	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	1,220
FS02	11/14/2022	4	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	2,840
FS03	11/14/2022	4	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	2,500
FS04	11/14/2022	4	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	5,420
FS05	11/14/2022	4	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	<50.0	3,030
FS06	11/14/2022	4	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	<50.0	4,500
FS07	11/14/2022	4	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	1,620
FS08	11/14/2022	4	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	3,880
FS09	11/14/2022	4	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	<49.9	3,240
FS10	11/14/2022	4	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	<49.9	2,430
FS11	11/14/2022	4	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	2,400
FS12	11/14/2022	4	<0.00198	<0.00397	<49.9	<49.9	<49.9	<49.9	<49.9	4,100
FS13	11/14/2022	4	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	3,190
FS14	11/14/2022	4	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	4,640
FS15	11/14/2022	4	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	878
FS16	11/14/2022	4	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	<49.9	2,120
FS17	11/14/2022	4	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	2,740
FS18	11/14/2022	4	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	2,250
FS19	11/29/2022	4	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	3,960
FS20	11/29/2022	4	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	184
FS21	11/29/2022	4	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	3,780
FS22	11/29/2022	4	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	118
FS23	11/15/2022	1	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	<50.0	116*
FS24	11/15/2022	1	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	113*
FS25	11/15/2022	1	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	155*
FS26	11/15/2022	1	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	217*
FS27	11/29/2022	4	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	22.8
FS28	11/29/2022	4	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	17.6
FS29	11/29/2022	4	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	17.1
FS30	11/29/2022	4	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	44.2
FS31	11/29/2022	4	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	15.8
FS32	11/29/2022	4	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	12.5
FS33	11/29/2022	4	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	11.1
FS34	11/29/2022	4	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	<49.9	63.2
FS35	11/29/2022	4	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	919
FS36	11/29/2022	4	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	1,170
FS37	11/29/2022	4	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	103
FS38	11/29/2022	4	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	303
FS39	11/29/2022	4	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	358

ENSOLUM

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Leamex 8
Maverick Natural Resources, LLC
Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**1,000**	**2,500**	**20,000**
Excavation Sidewall Samples										
SW01	11/18/2022	0-4'	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	184*
SW02	11/29/2022	0-4'	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	114*
SW03	11/29/2022	0-4'	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	319*
SW04	11/29/2022	0-4'	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	102*
SW05	11/29/2022	0-4'	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	355*
SW06	11/29/2022	0-4'	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	364*
SW07	11/29/2022	0-4'	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	432*
SW08	11/29/2022	0-4'	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	20.5*
SW09	11/29/2022	0-4'	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	14.1*
SW10	11/29/2022	0-4'	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	16.0*
SW11	11/29/2022	0-4'	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	12.0*
SW12	11/29/2022	0-4'	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	<49.9	75.1*
SW13	11/29/2022	0-4'	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	15.8*
SW14	11/29/2022	0-4'	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	44.9*
SW15	11/29/2022	0-4'	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	<49.9	52.1*
SW16	11/29/2022	0-4'	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	13.1*
SW17	11/29/2022	0-4'	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	32.7*
SW18	11/29/2022	0-4'	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	64.8*
SW19	11/29/2022	0-4'	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	279*
SW20	11/29/2022	0-4'	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	2,090*
SW21	11/29/2022	0-4'	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	155*
SW22	11/29/2022	0-4'	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	<49.9	128*
SW23	12/13/2022	0-4'	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	36.5*

Notes:

bgs: below ground surface
mg/kg: milligrams per kilogram
NMOCD: New Mexico Oil Conservation Division
BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes
Concentrations in **bold** exceed the NMOCD Table 1 Closure Criteria or reclamation standard where applicable.

GRO: Gasoline Range Organics
DRO: Diesel Range Organics
ORO: Oil Range Organics
TPH: Total Petroleum Hydrocarbon
* indicates sample was collected in area to be reclaimed after remediation is complete; reclamation standard for chloride in the top 4 feet is 600 mg/kg
Grey text represents samples that have been excavated

ENSOLUM

APPENDIX A

Photographic Log

ENSOLUM

Photographic Log
Maverick Natural Resources, LLC
Leamex 8
Incident Number NAPP2200641724

Photograph: 1 Date: 11/29/2022
Description: Excavation activities
View: Northwest

Photograph: 2 Date: 11/29/2022
Description: Excavation activities
View: northeast

Photograph: 3 Date: 11/29/2022
Description: Excavation activities
View: North

Photograph: 4 Date: 11/29/2022
Description: Excavation activities
View: Northeast

ENSOLUM

APPENDIX B

Laboratory Analytical Reports & Chain of Custody Documentation

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Kalei Jennings
Ensolum
705 W. Wadley
Suite 210
Midland, Texas 79701

Generated 11/28/2022 4:27:10 PM

JOB DESCRIPTION

Leamex 8 Battery
SDG NUMBER 03D2057018

JOB NUMBER

890-3479-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

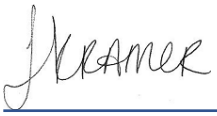
my EOL

Eurofins Carlsbad

Job Notes

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
11/28/2022 4:27:10 PM

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

Client: Ensolum
Project/Site: Leamex 8 Battery

Laboratory Job ID: 890-3479-1
SDG: 03D2057018

Table of Contents

Definitions/Glossary

Client: Ensolum Job ID: 890-3479-1
Project/Site: Leamex 8 Battery SDG: 03D2057018

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3479-1
SDG: 03D2057018

Job ID: 890-3479-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-3479-1

Receipt
The samples were received on 11/15/2022 1:31 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.6°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: FS01 (890-3479-1), FS02 (890-3479-2), FS03 (890-3479-3), FS04 (890-3479-4), FS05 (890-3479-5), FS06 (890-3479-6), FS07 (890-3479-7), FS08 (890-3479-8), FS09 (890-3479-9), FS10 (890-3479-10), FS11 (890-3479-11), FS12 (890-3479-12), FS13 (890-3479-13), FS14 (890-3479-14), FS15 (890-3479-15), FS16 (890-3479-16), FS17 (890-3479-17) and FS18 (890-3479-18).

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

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

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-39829 and 880-39829 and analytical batch 880-40152 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-39829 and 880-39829 and analytical batch 880-40152 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.The associated samples are: FS02 (890-3479-2), FS03 (890-3479-3), FS04 (890-3479-4), FS05 (890-3479-5), FS07 (890-3479-7), FS08 (890-3479-8), FS09 (890-3479-9) and FS10 (890-3479-10).

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: Leamex 8 Battery

Job ID: 890-3479-1
SDG: 03D2057018

Client Sample ID: FS01

Lab Sample ID: 890-3479-1
Matrix: Solid
Date Collected: 11/14/22 11:10
Date Received: 11/15/22 13:31
Sample Depth: 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		11/22/22 15:04	11/24/22 03:04	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/22/22 15:04	11/24/22 03:04	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/22/22 15:04	11/24/22 03:04	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		11/22/22 15:04	11/24/22 03:04	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/22/22 15:04	11/24/22 03:04	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		11/22/22 15:04	11/24/22 03:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*167*	*S1+*	*70 - 130*	*11/22/22 15:04*	*11/24/22 03:04*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*11/22/22 15:04*	*11/24/22 03:04*	*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			11/28/22 15:38	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			11/22/22 10:43	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/18/22 07:32	11/21/22 11:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/18/22 07:32	11/21/22 11:54	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/18/22 07:32	11/21/22 11:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*11/18/22 07:32*	*11/21/22 11:54*	*1*
o-Terphenyl	*77*		*70 - 130*	*11/18/22 07:32*	*11/21/22 11:54*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1220**		5.05		mg/Kg			11/21/22 21:57	1

Client Sample ID: FS02

Lab Sample ID: 890-3479-2
Matrix: Solid
Date Collected: 11/14/22 11:15
Date Received: 11/15/22 13:31
Sample Depth: 4'

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		11/22/22 15:04	11/24/22 03:30	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/22/22 15:04	11/24/22 03:30	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/22/22 15:04	11/24/22 03:30	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/22/22 15:04	11/24/22 03:30	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/22/22 15:04	11/24/22 03:30	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/22/22 15:04	11/24/22 03:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*187*	*S1+*	*70 - 130*	*11/22/22 15:04*	*11/24/22 03:30*	*1*

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3479-1
SDG: 03D2057018

Client Sample ID: FS02

Lab Sample ID: 890-3479-2
Matrix: Solid
Date Collected: 11/14/22 11:15
Date Received: 11/15/22 13:31
Sample Depth: 4'

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*11/22/22 15:04*	*11/24/22 03:30*	*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			11/28/22 15:38	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			11/22/22 10:43	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		11/18/22 07:32	11/21/22 13:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/18/22 07:32	11/21/22 13:43	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/18/22 07:32	11/21/22 13:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*11/18/22 07:32*	*11/21/22 13:43*	*1*
o-Terphenyl	*86*		*70 - 130*	*11/18/22 07:32*	*11/21/22 13:43*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2840**		24.8	mg/Kg			11/21/22 22:18	5

Client Sample ID: FS03

Lab Sample ID: 890-3479-3
Matrix: Solid
Date Collected: 11/14/22 11:20
Date Received: 11/15/22 13:31
Sample Depth: 4'

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		11/22/22 15:04	11/24/22 03:56	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/22/22 15:04	11/24/22 03:56	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/22/22 15:04	11/24/22 03:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		11/22/22 15:04	11/24/22 03:56	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/22/22 15:04	11/24/22 03:56	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/22/22 15:04	11/24/22 03:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*189*	*S1+*	*70 - 130*	*11/22/22 15:04*	*11/24/22 03:56*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*11/22/22 15:04*	*11/24/22 03:56*	*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			11/28/22 15:38	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			11/22/22 10:43	1

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3479-1
SDG: 03D2057018

Client Sample ID: FS03

Lab Sample ID: 890-3479-3
Matrix: Solid
Date Collected: 11/14/22 11:20
Date Received: 11/15/22 13:31
Sample Depth: 4'

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		11/18/22 07:32	11/21/22 14:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/18/22 07:32	11/21/22 14:05	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/18/22 07:32	11/21/22 14:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*11/18/22 07:32*	*11/21/22 14:05*	*1*
o-Terphenyl	*90*		*70 - 130*	*11/18/22 07:32*	*11/21/22 14:05*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2500**		24.9		mg/Kg			11/21/22 22:26	5

Client Sample ID: FS04

Lab Sample ID: 890-3479-4
Matrix: Solid
Date Collected: 11/14/22 11:25
Date Received: 11/15/22 13:31
Sample Depth: 4'

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		11/22/22 15:04	11/24/22 04:21	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/22/22 15:04	11/24/22 04:21	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/22/22 15:04	11/24/22 04:21	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		11/22/22 15:04	11/24/22 04:21	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/22/22 15:04	11/24/22 04:21	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		11/22/22 15:04	11/24/22 04:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*170*	*S1+*	*70 - 130*	*11/22/22 15:04*	*11/24/22 04:21*	*1*
1,4-Difluorobenzene (Surr)	*72*		*70 - 130*	*11/22/22 15:04*	*11/24/22 04:21*	*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			11/28/22 15:38	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			11/22/22 10:43	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/18/22 07:32	11/21/22 14:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/18/22 07:32	11/21/22 14:26	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/18/22 07:32	11/21/22 14:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*11/18/22 07:32*	*11/21/22 14:26*	*1*
o-Terphenyl	*103*		*70 - 130*	*11/18/22 07:32*	*11/21/22 14:26*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3479-1
SDG: 03D2057018

Client Sample ID: FS04

Lab Sample ID: 890-3479-4
Matrix: Solid
Date Collected: 11/14/22 11:25
Date Received: 11/15/22 13:31
Sample Depth: 4'

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5420		50.0		mg/Kg			11/21/22 22:33	10

Client Sample ID: FS05

Lab Sample ID: 890-3479-5
Matrix: Solid
Date Collected: 11/14/22 11:55
Date Received: 11/15/22 13:31
Sample Depth: 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		11/22/22 15:04	11/24/22 04:47	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/22/22 15:04	11/24/22 04:47	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/22/22 15:04	11/24/22 04:47	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		11/22/22 15:04	11/24/22 04:47	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/22/22 15:04	11/24/22 04:47	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		11/22/22 15:04	11/24/22 04:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*184*	*S1+*	*70 - 130*	*11/22/22 15:04*	*11/24/22 04:47*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*11/22/22 15:04*	*11/24/22 04:47*	*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			11/28/22 15:38	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			11/22/22 10:43	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/18/22 07:32	11/21/22 14:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/18/22 07:32	11/21/22 14:48	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/18/22 07:32	11/21/22 14:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*11/18/22 07:32*	*11/21/22 14:48*	*1*
o-Terphenyl	*95*		*70 - 130*	*11/18/22 07:32*	*11/21/22 14:48*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3030		25.0		mg/Kg			11/21/22 22:40	5

Client Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3479-1
SDG: 03D2057018

Client Sample ID: FS06

Lab Sample ID: 890-3479-6
Matrix: Solid
Date Collected: 11/14/22 12:00
Date Received: 11/15/22 13:31
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		11/22/22 15:04	11/24/22 05:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/22/22 15:04	11/24/22 05:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/22/22 15:04	11/24/22 05:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/22/22 15:04	11/24/22 05:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/22/22 15:04	11/24/22 05:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/22/22 15:04	11/24/22 05:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*185*	*S1+*	*70 - 130*	*11/22/22 15:04*	*11/24/22 05:13*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*11/22/22 15:04*	*11/24/22 05:13*	*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			11/28/22 15:38	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			11/22/22 10:43	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/18/22 07:32	11/21/22 15:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/18/22 07:32	11/21/22 15:09	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/18/22 07:32	11/21/22 15:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*11/18/22 07:32*	*11/21/22 15:09*	*1*
o-Terphenyl	*113*		*70 - 130*	*11/18/22 07:32*	*11/21/22 15:09*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4500**		25.3		mg/Kg			11/21/22 23:02	5

Client Sample ID: FS07

Lab Sample ID: 890-3479-7
Matrix: Solid
Date Collected: 11/14/22 12:05
Date Received: 11/15/22 13:31
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		11/22/22 15:04	11/24/22 05:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/22/22 15:04	11/24/22 05:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/22/22 15:04	11/24/22 05:39	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/22/22 15:04	11/24/22 05:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/22/22 15:04	11/24/22 05:39	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/22/22 15:04	11/24/22 05:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*187*	*S1+*	*70 - 130*	*11/22/22 15:04*	*11/24/22 05:39*	*1*

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3479-1
SDG: 03D2057018

Client Sample ID: FS07

Lab Sample ID: 890-3479-7
Matrix: Solid
Date Collected: 11/14/22 12:05
Date Received: 11/15/22 13:31
Sample Depth: 4'

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*11/22/22 15:04*	*11/24/22 05:39*	*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			11/28/22 15:38	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			11/22/22 10:43	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		11/18/22 07:32	11/21/22 15:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/18/22 07:32	11/21/22 15:31	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/18/22 07:32	11/21/22 15:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*11/18/22 07:32*	*11/21/22 15:31*	*1*
o-Terphenyl	*95*		*70 - 130*	*11/18/22 07:32*	*11/21/22 15:31*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1620**		24.9	mg/Kg			11/21/22 23:09	5

Client Sample ID: FS08

Lab Sample ID: 890-3479-8
Matrix: Solid
Date Collected: 11/14/22 12:10
Date Received: 11/15/22 13:31
Sample Depth: 4'

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		11/22/22 15:04	11/24/22 06:05	1
Toluene	<0.00201	U	0.00201	mg/Kg		11/22/22 15:04	11/24/22 06:05	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		11/22/22 15:04	11/24/22 06:05	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		11/22/22 15:04	11/24/22 06:05	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		11/22/22 15:04	11/24/22 06:05	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		11/22/22 15:04	11/24/22 06:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*190*	*S1+*	*70 - 130*	*11/22/22 15:04*	*11/24/22 06:05*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*11/22/22 15:04*	*11/24/22 06:05*	*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			11/28/22 15:38	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			11/22/22 10:43	1

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3479-1
SDG: 03D2057018

Client Sample ID: FS08

Lab Sample ID: 890-3479-8
Matrix: Solid
Date Collected: 11/14/22 12:10
Date Received: 11/15/22 13:31
Sample Depth: 4'

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		11/18/22 07:32	11/21/22 15:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/18/22 07:32	11/21/22 15:53	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/18/22 07:32	11/21/22 15:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*11/18/22 07:32*	*11/21/22 15:53*	*1*
o-Terphenyl	*92*		*70 - 130*	*11/18/22 07:32*	*11/21/22 15:53*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3880**		25.0		mg/Kg			11/21/22 23:16	5

Client Sample ID: FS09

Lab Sample ID: 890-3479-9
Matrix: Solid
Date Collected: 11/14/22 12:25
Date Received: 11/15/22 13:31
Sample Depth: 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		11/22/22 15:04	11/24/22 06:31	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/22/22 15:04	11/24/22 06:31	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/22/22 15:04	11/24/22 06:31	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		11/22/22 15:04	11/24/22 06:31	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/22/22 15:04	11/24/22 06:31	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		11/22/22 15:04	11/24/22 06:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*196*	*S1+*	*70 - 130*	*11/22/22 15:04*	*11/24/22 06:31*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*11/22/22 15:04*	*11/24/22 06:31*	*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			11/28/22 15:38	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			11/22/22 10:43	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/18/22 07:32	11/21/22 16:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/18/22 07:32	11/21/22 16:37	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/18/22 07:32	11/21/22 16:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*11/18/22 07:32*	*11/21/22 16:37*	*1*
o-Terphenyl	*106*		*70 - 130*	*11/18/22 07:32*	*11/21/22 16:37*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3479-1
SDG: 03D2057018

Client Sample ID: FS09

Lab Sample ID: 890-3479-9
Matrix: Solid
Date Collected: 11/14/22 12:25
Date Received: 11/15/22 13:31
Sample Depth: 4'

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3240		24.9		mg/Kg			11/21/22 23:23	5

Client Sample ID: FS10

Lab Sample ID: 890-3479-10
Matrix: Solid
Date Collected: 11/14/22 12:30
Date Received: 11/15/22 13:31
Sample Depth: 4'

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		11/22/22 15:04	11/24/22 06:57	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/22/22 15:04	11/24/22 06:57	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/22/22 15:04	11/24/22 06:57	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		11/22/22 15:04	11/24/22 06:57	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/22/22 15:04	11/24/22 06:57	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		11/22/22 15:04	11/24/22 06:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*193*	*S1+*	*70 - 130*	*11/22/22 15:04*	*11/24/22 06:57*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*11/22/22 15:04*	*11/24/22 06:57*	*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			11/28/22 15:38	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			11/22/22 10:43	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/18/22 07:32	11/21/22 16:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/18/22 07:32	11/21/22 16:59	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/18/22 07:32	11/21/22 16:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*11/18/22 07:32*	*11/21/22 16:59*	*1*
o-Terphenyl	*87*		*70 - 130*	*11/18/22 07:32*	*11/21/22 16:59*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2430		25.0		mg/Kg			11/21/22 23:30	5

Client Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3479-1
SDG: 03D2057018

Client Sample ID: FS11

Lab Sample ID: 890-3479-11
Matrix: Solid
Date Collected: 11/14/22 12:35
Date Received: 11/15/22 13:31
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		11/22/22 15:04	11/24/22 08:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/22/22 15:04	11/24/22 08:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/22/22 15:04	11/24/22 08:43	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/22/22 15:04	11/24/22 08:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/22/22 15:04	11/24/22 08:43	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/22/22 15:04	11/24/22 08:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*169*	*S1+*	*70 - 130*	*11/22/22 15:04*	*11/24/22 08:43*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*11/22/22 15:04*	*11/24/22 08:43*	*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			11/28/22 15:38	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			11/22/22 10:43	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/18/22 07:32	11/21/22 17:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/18/22 07:32	11/21/22 17:21	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/18/22 07:32	11/21/22 17:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*11/18/22 07:32*	*11/21/22 17:21*	*1*
o-Terphenyl	*88*		*70 - 130*	*11/18/22 07:32*	*11/21/22 17:21*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2400**	**F1**	25.0		mg/Kg			11/21/22 23:37	5

Client Sample ID: FS12

Lab Sample ID: 890-3479-12
Matrix: Solid
Date Collected: 11/14/22 12:40
Date Received: 11/15/22 13:31
Sample Depth: 4'

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		11/22/22 15:04	11/24/22 09:09	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/22/22 15:04	11/24/22 09:09	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/22/22 15:04	11/24/22 09:09	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		11/22/22 15:04	11/24/22 09:09	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/22/22 15:04	11/24/22 09:09	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		11/22/22 15:04	11/24/22 09:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*199*	*S1+*	*70 - 130*	*11/22/22 15:04*	*11/24/22 09:09*	*1*

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3479-1
SDG: 03D2057018

Client Sample ID: FS12

Lab Sample ID: 890-3479-12
Matrix: Solid
Date Collected: 11/14/22 12:40
Date Received: 11/15/22 13:31
Sample Depth: 4'

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*11/22/22 15:04*	*11/24/22 09:09*	*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			11/28/22 15:38	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			11/22/22 10:43	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		11/18/22 07:32	11/21/22 17:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/18/22 07:32	11/21/22 17:43	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/18/22 07:32	11/21/22 17:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*11/18/22 07:32*	*11/21/22 17:43*	*1*
o-Terphenyl	*94*		*70 - 130*	*11/18/22 07:32*	*11/21/22 17:43*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4100**		49.8	mg/Kg			11/21/22 23:59	10

Client Sample ID: FS13

Lab Sample ID: 890-3479-13
Matrix: Solid
Date Collected: 11/14/22 12:55
Date Received: 11/15/22 13:31
Sample Depth: 4'

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		11/22/22 15:04	11/24/22 09:35	1
Toluene	<0.00201	U	0.00201	mg/Kg		11/22/22 15:04	11/24/22 09:35	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		11/22/22 15:04	11/24/22 09:35	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		11/22/22 15:04	11/24/22 09:35	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		11/22/22 15:04	11/24/22 09:35	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		11/22/22 15:04	11/24/22 09:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*196*	*S1+*	*70 - 130*	*11/22/22 15:04*	*11/24/22 09:35*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*11/22/22 15:04*	*11/24/22 09:35*	*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			11/28/22 15:38	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			11/22/22 10:43	1

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3479-1
SDG: 03D2057018

Client Sample ID: FS13

Lab Sample ID: 890-3479-13
Matrix: Solid
Date Collected: 11/14/22 12:55
Date Received: 11/15/22 13:31
Sample Depth: 4'

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		11/18/22 07:32	11/21/22 18:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/18/22 07:32	11/21/22 18:05	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/18/22 07:32	11/21/22 18:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*11/18/22 07:32*	*11/21/22 18:05*	*1*
o-Terphenyl	*90*		*70 - 130*	*11/18/22 07:32*	*11/21/22 18:05*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3190**		24.8		mg/Kg			11/22/22 00:06	5

Client Sample ID: FS14

Lab Sample ID: 890-3479-14
Matrix: Solid
Date Collected: 11/14/22 13:00
Date Received: 11/15/22 13:31
Sample Depth: 4'

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		11/22/22 15:04	11/24/22 10:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/22/22 15:04	11/24/22 10:02	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/22/22 15:04	11/24/22 10:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/22/22 15:04	11/24/22 10:02	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/22/22 15:04	11/24/22 10:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/22/22 15:04	11/24/22 10:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*200*	*S1+*	*70 - 130*	*11/22/22 15:04*	*11/24/22 10:02*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*11/22/22 15:04*	*11/24/22 10:02*	*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			11/28/22 15:38	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			11/22/22 10:43	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/18/22 07:32	11/21/22 18:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/18/22 07:32	11/21/22 18:27	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/18/22 07:32	11/21/22 18:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*11/18/22 07:32*	*11/21/22 18:27*	*1*
o-Terphenyl	*97*		*70 - 130*	*11/18/22 07:32*	*11/21/22 18:27*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3479-1
SDG: 03D2057018

Client Sample ID: FS14

Lab Sample ID: 890-3479-14
Matrix: Solid
Date Collected: 11/14/22 13:00
Date Received: 11/15/22 13:31
Sample Depth: 4'

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4640		25.1		mg/Kg			11/22/22 00:27	5

Client Sample ID: FS15

Lab Sample ID: 890-3479-15
Matrix: Solid
Date Collected: 11/14/22 13:05
Date Received: 11/15/22 13:31
Sample Depth: 4'

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		11/22/22 15:04	11/24/22 10:28	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/22/22 15:04	11/24/22 10:28	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/22/22 15:04	11/24/22 10:28	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		11/22/22 15:04	11/24/22 10:28	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/22/22 15:04	11/24/22 10:28	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		11/22/22 15:04	11/24/22 10:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*203*	*S1+*	*70 - 130*	*11/22/22 15:04*	*11/24/22 10:28*	*1*
1,4-Difluorobenzene (Surr)	*72*		*70 - 130*	*11/22/22 15:04*	*11/24/22 10:28*	*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			11/28/22 15:38	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			11/22/22 10:43	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/18/22 07:32	11/21/22 18:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/18/22 07:32	11/21/22 18:49	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/18/22 07:32	11/21/22 18:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*11/18/22 07:32*	*11/21/22 18:49*	*1*
o-Terphenyl	*94*		*70 - 130*	*11/18/22 07:32*	*11/21/22 18:49*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	878		4.96		mg/Kg			11/22/22 00:34	1

Client Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3479-1
SDG: 03D2057018

Client Sample ID: FS16

Lab Sample ID: 890-3479-16
Matrix: Solid
Date Collected: 11/14/22 13:10
Date Received: 11/15/22 13:31
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		11/22/22 15:04	11/24/22 10:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/22/22 15:04	11/24/22 10:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/22/22 15:04	11/24/22 10:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/22/22 15:04	11/24/22 10:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/22/22 15:04	11/24/22 10:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/22/22 15:04	11/24/22 10:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*205*	*S1+*	*70 - 130*	*11/22/22 15:04*	*11/24/22 10:55*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*11/22/22 15:04*	*11/24/22 10:55*	*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			11/28/22 15:38	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			11/22/22 10:43	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/18/22 07:32	11/21/22 19:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/18/22 07:32	11/21/22 19:11	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/18/22 07:32	11/21/22 19:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*11/18/22 07:32*	*11/21/22 19:11*	*1*
o-Terphenyl	*91*		*70 - 130*	*11/18/22 07:32*	*11/21/22 19:11*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2120**		25.3		mg/Kg			11/22/22 00:41	5

Client Sample ID: FS17

Lab Sample ID: 890-3479-17
Matrix: Solid
Date Collected: 11/14/22 13:45
Date Received: 11/15/22 13:31
Sample Depth: 4'

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		11/22/22 15:04	11/24/22 11:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/22/22 15:04	11/24/22 11:20	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/22/22 15:04	11/24/22 11:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/22/22 15:04	11/24/22 11:20	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/22/22 15:04	11/24/22 11:20	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/22/22 15:04	11/24/22 11:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*203*	*S1+*	*70 - 130*	*11/22/22 15:04*	*11/24/22 11:20*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3479-1
SDG: 03D2057018

Client Sample ID: FS17

Lab Sample ID: 890-3479-17
Matrix: Solid
Date Collected: 11/14/22 13:45
Date Received: 11/15/22 13:31
Sample Depth: 4'

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*11/22/22 15:04*	*11/24/22 11:20*	*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			11/28/22 15:38	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			11/22/22 10:43	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/18/22 07:32	11/21/22 19:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/18/22 07:32	11/21/22 19:32	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/18/22 07:32	11/21/22 19:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*11/18/22 07:32*	*11/21/22 19:32*	*1*
o-Terphenyl	*102*		*70 - 130*	*11/18/22 07:32*	*11/21/22 19:32*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2740**		24.9	mg/Kg			11/22/22 00:48	5

Client Sample ID: FS18

Lab Sample ID: 890-3479-18
Matrix: Solid
Date Collected: 11/14/22 13:50
Date Received: 11/15/22 13:31
Sample Depth: 4'

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		11/22/22 15:04	11/24/22 11:46	1
Toluene	<0.00201	U	0.00201	mg/Kg		11/22/22 15:04	11/24/22 11:46	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		11/22/22 15:04	11/24/22 11:46	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		11/22/22 15:04	11/24/22 11:46	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		11/22/22 15:04	11/24/22 11:46	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		11/22/22 15:04	11/24/22 11:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*195*	*S1+*	*70 - 130*	*11/22/22 15:04*	*11/24/22 11:46*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*11/22/22 15:04*	*11/24/22 11:46*	*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			11/28/22 15:38	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			11/22/22 10:43	1

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3479-1
SDG: 03D2057018

Client Sample ID: FS18

Date Collected: 11/14/22 13:50
Date Received: 11/15/22 13:31
Sample Depth: 4'

Lab Sample ID: 890-3479-18

Matrix: Solid

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		11/18/22 07:32	11/21/22 19:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/18/22 07:32	11/21/22 19:53	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/18/22 07:32	11/21/22 19:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*11/18/22 07:32*	*11/21/22 19:53*	*1*
o-Terphenyl	*107*		*70 - 130*	*11/18/22 07:32*	*11/21/22 19:53*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2250**		25.0		mg/Kg			11/22/22 00:56	5

Surrogate Summary

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3479-1
SDG: 03D2057018

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)
890-3479-1	FS01	167 S1+	77
890-3479-1 MS	FS01	173 S1+	76
890-3479-1 MSD	FS01	180 S1+	77
890-3479-2	FS02	187 S1+	76
890-3479-3	FS03	189 S1+	83
890-3479-4	FS04	170 S1+	72
890-3479-5	FS05	184 S1+	85
890-3479-6	FS06	185 S1+	73
890-3479-7	FS07	187 S1+	82
890-3479-8	FS08	190 S1+	83
890-3479-9	FS09	196 S1+	85
890-3479-10	FS10	193 S1+	79
890-3479-11	FS11	169 S1+	73
890-3479-12	FS12	199 S1+	77
890-3479-13	FS13	196 S1+	82
890-3479-14	FS14	200 S1+	82
890-3479-15	FS15	203 S1+	72
890-3479-16	FS16	205 S1+	80
890-3479-17	FS17	203 S1+	80
890-3479-18	FS18	195 S1+	76
LCS 880-40225/1-A	Lab Control Sample	192 S1+	87
LCSD 880-40225/2-A	Lab Control Sample Dup	189 S1+	87
MB 880-39856/5-A	Method Blank	102	76
MB 880-40225/5-A	Method Blank	114	74

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)
890-3479-1	FS01	81	77
890-3479-1 MS	FS01	91	71
890-3479-1 MSD	FS01	91	71
890-3479-2	FS02	88	86
890-3479-3	FS03	94	90
890-3479-4	FS04	106	103
890-3479-5	FS05	97	95
890-3479-6	FS06	120	113
890-3479-7	FS07	97	95
890-3479-8	FS08	93	92
890-3479-9	FS09	109	106
890-3479-10	FS10	89	87
890-3479-11	FS11	91	88
890-3479-12	FS12	94	94
890-3479-13	FS13	90	90

Surrogate Summary

Client: Ensolum Job ID: 890-3479-1
Project/Site: Leamex 8 Battery SDG: 03D2057018

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
		1CO1	OTPH1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
890-3479-14	FS14	97	97								
890-3479-15	FS15	93	94								
890-3479-16	FS16	89	91								
890-3479-17	FS17	101	102								
890-3479-18	FS18	103	107								
LCS 880-39883/2-A	Lab Control Sample	108	107								
LCSD 880-39883/3-A	Lab Control Sample Dup	120	116								
MB 880-39883/1-A	Method Blank	130	126								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3479-1
SDG: 03D2057018

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-39856/5-A
Matrix: Solid
Analysis Batch: 40264

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39856

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/17/22 16:28	11/23/22 13:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/17/22 16:28	11/23/22 13:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/17/22 16:28	11/23/22 13:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/17/22 16:28	11/23/22 13:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/17/22 16:28	11/23/22 13:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/17/22 16:28	11/23/22 13:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*11/17/22 16:28*	*11/23/22 13:21*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*11/17/22 16:28*	*11/23/22 13:21*	*1*

Lab Sample ID: MB 880-40225/5-A
Matrix: Solid
Analysis Batch: 40264

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 40225

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/22/22 15:04	11/24/22 02:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/22/22 15:04	11/24/22 02:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/22/22 15:04	11/24/22 02:38	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/22/22 15:04	11/24/22 02:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/22/22 15:04	11/24/22 02:38	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/22/22 15:04	11/24/22 02:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*11/22/22 15:04*	*11/24/22 02:38*	*1*
1,4-Difluorobenzene (Surr)	*74*		*70 - 130*	*11/22/22 15:04*	*11/24/22 02:38*	*1*

Lab Sample ID: LCS 880-40225/1-A
Matrix: Solid
Analysis Batch: 40264

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 40225

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09860		mg/Kg		99	70 - 130		
Toluene			0.100	0.1003		mg/Kg		100	70 - 130		
Ethylbenzene			0.100	0.09008		mg/Kg		90	70 - 130		
m-Xylene & p-Xylene			0.200	0.1992		mg/Kg		100	70 - 130		
o-Xylene			0.100	0.09545		mg/Kg		95	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*192*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*

Lab Sample ID: LCSD 880-40225/2-A
Matrix: Solid
Analysis Batch: 40264

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 40225

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1116		mg/Kg		112	70 - 130	12	35

QC Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3479-1
SDG: 03D2057018

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

Lab Sample ID: LCSD 880-40225/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 40264 — **Prep Batch: 40225**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.1072		mg/Kg		107	70 - 130	7	35
Ethylbenzene			0.100	0.1083		mg/Kg		108	70 - 130	18	35
m-Xylene & p-Xylene			0.200	0.2364		mg/Kg		118	70 - 130	17	35
o-Xylene			0.100	0.1119		mg/Kg		112	70 - 130	16	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*189*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*

Lab Sample ID: 890-3479-1 MS — **Client Sample ID: FS01**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 40264 — **Prep Batch: 40225**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.101	0.09677		mg/Kg		96	70 - 130
Toluene	<0.00202	U	0.101	0.09986		mg/Kg		99	70 - 130
Ethylbenzene	<0.00202	U	0.101	0.09120		mg/Kg		90	70 - 130
m-Xylene & p-Xylene	<0.00404	U	0.202	0.2022		mg/Kg		99	70 - 130
o-Xylene	<0.00202	U	0.101	0.09456		mg/Kg		94	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*173*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*

Lab Sample ID: 890-3479-1 MSD — **Client Sample ID: FS01**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 40264 — **Prep Batch: 40225**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.0994	0.1022		mg/Kg		103	70 - 130	5	35
Toluene	<0.00202	U	0.0994	0.1022		mg/Kg		103	70 - 130	2	35
Ethylbenzene	<0.00202	U	0.0994	0.09353		mg/Kg		94	70 - 130	3	35
m-Xylene & p-Xylene	<0.00404	U	0.199	0.2068		mg/Kg		103	70 - 130	2	35
o-Xylene	<0.00202	U	0.0994	0.09632		mg/Kg		97	70 - 130	2	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*180*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*

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

Lab Sample ID: MB 880-39883/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 40028 — **Prep Batch: 39883**

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		11/18/22 07:32	11/21/22 08:58	1

QC Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3479-1
SDG: 03D2057018

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

Lab Sample ID: MB 880-39883/1-A
Matrix: Solid
Analysis Batch: 40028

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39883

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		11/18/22 07:32	11/21/22 08:58	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/18/22 07:32	11/21/22 08:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*130*		*70 - 130*	*11/18/22 07:32*	*11/21/22 08:58*	*1*
o-Terphenyl	*126*		*70 - 130*	*11/18/22 07:32*	*11/21/22 08:58*	*1*

Lab Sample ID: LCS 880-39883/2-A
Matrix: Solid
Analysis Batch: 40028

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39883

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	967.3		mg/Kg		97	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	981.4		mg/Kg		98	70 - 130		

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

Lab Sample ID: LCSD 880-39883/3-A
Matrix: Solid
Analysis Batch: 40028

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 39883

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	842.8		mg/Kg		84	70 - 130	14	20
Diesel Range Organics (Over C10-C28)			1000	1056		mg/Kg		106	70 - 130	7	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*120*		*70 - 130*
o-Terphenyl	*116*		*70 - 130*

Lab Sample ID: 890-3479-1 MS
Matrix: Solid
Analysis Batch: 40028

Client Sample ID: FS01
Prep Type: Total/NA
Prep Batch: 39883

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	746.7		mg/Kg		75	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	999	861.4		mg/Kg		86	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*91*		*70 - 130*
o-Terphenyl	*71*		*70 - 130*

QC Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3479-1
SDG: 03D2057018

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

Lab Sample ID: 890-3479-1 MSD — **Client Sample ID: FS01**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 40028 — **Prep Batch: 39883**

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	<50.0	U	997	772.6		mg/Kg		77	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	862.1		mg/Kg		86	70 - 130	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*91*		*70 - 130*
o-Terphenyl	*71*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-39829/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 40152

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			11/21/22 21:36	1

Lab Sample ID: LCS 880-39829/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 40152

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	241.6		mg/Kg		97	90 - 110		

Lab Sample ID: LCSD 880-39829/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 40152

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	253.5		mg/Kg		101	90 - 110	5	20

Lab Sample ID: 890-3479-1 MS — **Client Sample ID: FS01**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 40152

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	1220		253	1408	4	mg/Kg		76	90 - 110		

Lab Sample ID: 890-3479-1 MSD — **Client Sample ID: FS01**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 40152

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1220		253	1417	4	mg/Kg		79	90 - 110	1	20

QC Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3479-1
SDG: 03D2057018

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-3479-11 MS
Matrix: Solid
Analysis Batch: 40152

Client Sample ID: FS11
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	2400	F1	1250	3845	F1	mg/Kg		116	90 - 110		

Lab Sample ID: 890-3479-11 MSD
Matrix: Solid
Analysis Batch: 40152

Client Sample ID: FS11
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2400	F1	1250	3777		mg/Kg		110	90 - 110	2	20

QC Association Summary

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3479-1
SDG: 03D2057018

GC VOA

Prep Batch: 39856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-39856/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 40225

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3479-1	FS01	Total/NA	Solid	5035	
890-3479-2	FS02	Total/NA	Solid	5035	
890-3479-3	FS03	Total/NA	Solid	5035	
890-3479-4	FS04	Total/NA	Solid	5035	
890-3479-5	FS05	Total/NA	Solid	5035	
890-3479-6	FS06	Total/NA	Solid	5035	
890-3479-7	FS07	Total/NA	Solid	5035	
890-3479-8	FS08	Total/NA	Solid	5035	
890-3479-9	FS09	Total/NA	Solid	5035	
890-3479-10	FS10	Total/NA	Solid	5035	
890-3479-11	FS11	Total/NA	Solid	5035	
890-3479-12	FS12	Total/NA	Solid	5035	
890-3479-13	FS13	Total/NA	Solid	5035	
890-3479-14	FS14	Total/NA	Solid	5035	
890-3479-15	FS15	Total/NA	Solid	5035	
890-3479-16	FS16	Total/NA	Solid	5035	
890-3479-17	FS17	Total/NA	Solid	5035	
890-3479-18	FS18	Total/NA	Solid	5035	
MB 880-40225/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-40225/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-40225/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3479-1 MS	FS01	Total/NA	Solid	5035	
890-3479-1 MSD	FS01	Total/NA	Solid	5035	

Analysis Batch: 40264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3479-1	FS01	Total/NA	Solid	8021B	40225
890-3479-2	FS02	Total/NA	Solid	8021B	40225
890-3479-3	FS03	Total/NA	Solid	8021B	40225
890-3479-4	FS04	Total/NA	Solid	8021B	40225
890-3479-5	FS05	Total/NA	Solid	8021B	40225
890-3479-6	FS06	Total/NA	Solid	8021B	40225
890-3479-7	FS07	Total/NA	Solid	8021B	40225
890-3479-8	FS08	Total/NA	Solid	8021B	40225
890-3479-9	FS09	Total/NA	Solid	8021B	40225
890-3479-10	FS10	Total/NA	Solid	8021B	40225
890-3479-11	FS11	Total/NA	Solid	8021B	40225
890-3479-12	FS12	Total/NA	Solid	8021B	40225
890-3479-13	FS13	Total/NA	Solid	8021B	40225
890-3479-14	FS14	Total/NA	Solid	8021B	40225
890-3479-15	FS15	Total/NA	Solid	8021B	40225
890-3479-16	FS16	Total/NA	Solid	8021B	40225
890-3479-17	FS17	Total/NA	Solid	8021B	40225
890-3479-18	FS18	Total/NA	Solid	8021B	40225
MB 880-39856/5-A	Method Blank	Total/NA	Solid	8021B	39856
MB 880-40225/5-A	Method Blank	Total/NA	Solid	8021B	40225
LCS 880-40225/1-A	Lab Control Sample	Total/NA	Solid	8021B	40225

QC Association Summary

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3479-1
SDG: 03D2057018

GC VOA (Continued)

Analysis Batch: 40264 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-40225/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	40225
890-3479-1 MS	FS01	Total/NA	Solid	8021B	40225
890-3479-1 MSD	FS01	Total/NA	Solid	8021B	40225

Analysis Batch: 40496

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3479-1	FS01	Total/NA	Solid	Total BTEX	
890-3479-2	FS02	Total/NA	Solid	Total BTEX	
890-3479-3	FS03	Total/NA	Solid	Total BTEX	
890-3479-4	FS04	Total/NA	Solid	Total BTEX	
890-3479-5	FS05	Total/NA	Solid	Total BTEX	
890-3479-6	FS06	Total/NA	Solid	Total BTEX	
890-3479-7	FS07	Total/NA	Solid	Total BTEX	
890-3479-8	FS08	Total/NA	Solid	Total BTEX	
890-3479-9	FS09	Total/NA	Solid	Total BTEX	
890-3479-10	FS10	Total/NA	Solid	Total BTEX	
890-3479-11	FS11	Total/NA	Solid	Total BTEX	
890-3479-12	FS12	Total/NA	Solid	Total BTEX	
890-3479-13	FS13	Total/NA	Solid	Total BTEX	
890-3479-14	FS14	Total/NA	Solid	Total BTEX	
890-3479-15	FS15	Total/NA	Solid	Total BTEX	
890-3479-16	FS16	Total/NA	Solid	Total BTEX	
890-3479-17	FS17	Total/NA	Solid	Total BTEX	
890-3479-18	FS18	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 39883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3479-1	FS01	Total/NA	Solid	8015NM Prep	
890-3479-2	FS02	Total/NA	Solid	8015NM Prep	
890-3479-3	FS03	Total/NA	Solid	8015NM Prep	
890-3479-4	FS04	Total/NA	Solid	8015NM Prep	
890-3479-5	FS05	Total/NA	Solid	8015NM Prep	
890-3479-6	FS06	Total/NA	Solid	8015NM Prep	
890-3479-7	FS07	Total/NA	Solid	8015NM Prep	
890-3479-8	FS08	Total/NA	Solid	8015NM Prep	
890-3479-9	FS09	Total/NA	Solid	8015NM Prep	
890-3479-10	FS10	Total/NA	Solid	8015NM Prep	
890-3479-11	FS11	Total/NA	Solid	8015NM Prep	
890-3479-12	FS12	Total/NA	Solid	8015NM Prep	
890-3479-13	FS13	Total/NA	Solid	8015NM Prep	
890-3479-14	FS14	Total/NA	Solid	8015NM Prep	
890-3479-15	FS15	Total/NA	Solid	8015NM Prep	
890-3479-16	FS16	Total/NA	Solid	8015NM Prep	
890-3479-17	FS17	Total/NA	Solid	8015NM Prep	
890-3479-18	FS18	Total/NA	Solid	8015NM Prep	
MB 880-39883/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-39883/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-39883/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3479-1 MS	FS01	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3479-1
SDG: 03D2057018

GC Semi VOA (Continued)

Prep Batch: 39883 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3479-1 MSD	FS01	Total/NA	Solid	8015NM Prep	

Analysis Batch: 40028

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3479-1	FS01	Total/NA	Solid	8015B NM	39883
890-3479-2	FS02	Total/NA	Solid	8015B NM	39883
890-3479-3	FS03	Total/NA	Solid	8015B NM	39883
890-3479-4	FS04	Total/NA	Solid	8015B NM	39883
890-3479-5	FS05	Total/NA	Solid	8015B NM	39883
890-3479-6	FS06	Total/NA	Solid	8015B NM	39883
890-3479-7	FS07	Total/NA	Solid	8015B NM	39883
890-3479-8	FS08	Total/NA	Solid	8015B NM	39883
890-3479-9	FS09	Total/NA	Solid	8015B NM	39883
890-3479-10	FS10	Total/NA	Solid	8015B NM	39883
890-3479-11	FS11	Total/NA	Solid	8015B NM	39883
890-3479-12	FS12	Total/NA	Solid	8015B NM	39883
890-3479-13	FS13	Total/NA	Solid	8015B NM	39883
890-3479-14	FS14	Total/NA	Solid	8015B NM	39883
890-3479-15	FS15	Total/NA	Solid	8015B NM	39883
890-3479-16	FS16	Total/NA	Solid	8015B NM	39883
890-3479-17	FS17	Total/NA	Solid	8015B NM	39883
890-3479-18	FS18	Total/NA	Solid	8015B NM	39883
MB 880-39883/1-A	Method Blank	Total/NA	Solid	8015B NM	39883
LCS 880-39883/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	39883
LCSD 880-39883/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	39883
890-3479-1 MS	FS01	Total/NA	Solid	8015B NM	39883
890-3479-1 MSD	FS01	Total/NA	Solid	8015B NM	39883

Analysis Batch: 40198

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3479-1	FS01	Total/NA	Solid	8015 NM	
890-3479-2	FS02	Total/NA	Solid	8015 NM	
890-3479-3	FS03	Total/NA	Solid	8015 NM	
890-3479-4	FS04	Total/NA	Solid	8015 NM	
890-3479-5	FS05	Total/NA	Solid	8015 NM	
890-3479-6	FS06	Total/NA	Solid	8015 NM	
890-3479-7	FS07	Total/NA	Solid	8015 NM	
890-3479-8	FS08	Total/NA	Solid	8015 NM	
890-3479-9	FS09	Total/NA	Solid	8015 NM	
890-3479-10	FS10	Total/NA	Solid	8015 NM	
890-3479-11	FS11	Total/NA	Solid	8015 NM	
890-3479-12	FS12	Total/NA	Solid	8015 NM	
890-3479-13	FS13	Total/NA	Solid	8015 NM	
890-3479-14	FS14	Total/NA	Solid	8015 NM	
890-3479-15	FS15	Total/NA	Solid	8015 NM	
890-3479-16	FS16	Total/NA	Solid	8015 NM	
890-3479-17	FS17	Total/NA	Solid	8015 NM	
890-3479-18	FS18	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3479-1
SDG: 03D2057018

HPLC/IC

Leach Batch: 39829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3479-1	FS01	Soluble	Solid	DI Leach	
890-3479-2	FS02	Soluble	Solid	DI Leach	
890-3479-3	FS03	Soluble	Solid	DI Leach	
890-3479-4	FS04	Soluble	Solid	DI Leach	
890-3479-5	FS05	Soluble	Solid	DI Leach	
890-3479-6	FS06	Soluble	Solid	DI Leach	
890-3479-7	FS07	Soluble	Solid	DI Leach	
890-3479-8	FS08	Soluble	Solid	DI Leach	
890-3479-9	FS09	Soluble	Solid	DI Leach	
890-3479-10	FS10	Soluble	Solid	DI Leach	
890-3479-11	FS11	Soluble	Solid	DI Leach	
890-3479-12	FS12	Soluble	Solid	DI Leach	
890-3479-13	FS13	Soluble	Solid	DI Leach	
890-3479-14	FS14	Soluble	Solid	DI Leach	
890-3479-15	FS15	Soluble	Solid	DI Leach	
890-3479-16	FS16	Soluble	Solid	DI Leach	
890-3479-17	FS17	Soluble	Solid	DI Leach	
890-3479-18	FS18	Soluble	Solid	DI Leach	
MB 880-39829/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-39829/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-39829/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3479-1 MS	FS01	Soluble	Solid	DI Leach	
890-3479-1 MSD	FS01	Soluble	Solid	DI Leach	
890-3479-11 MS	FS11	Soluble	Solid	DI Leach	
890-3479-11 MSD	FS11	Soluble	Solid	DI Leach	

Analysis Batch: 40152

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3479-1	FS01	Soluble	Solid	300.0	39829
890-3479-2	FS02	Soluble	Solid	300.0	39829
890-3479-3	FS03	Soluble	Solid	300.0	39829
890-3479-4	FS04	Soluble	Solid	300.0	39829
890-3479-5	FS05	Soluble	Solid	300.0	39829
890-3479-6	FS06	Soluble	Solid	300.0	39829
890-3479-7	FS07	Soluble	Solid	300.0	39829
890-3479-8	FS08	Soluble	Solid	300.0	39829
890-3479-9	FS09	Soluble	Solid	300.0	39829
890-3479-10	FS10	Soluble	Solid	300.0	39829
890-3479-11	FS11	Soluble	Solid	300.0	39829
890-3479-12	FS12	Soluble	Solid	300.0	39829
890-3479-13	FS13	Soluble	Solid	300.0	39829
890-3479-14	FS14	Soluble	Solid	300.0	39829
890-3479-15	FS15	Soluble	Solid	300.0	39829
890-3479-16	FS16	Soluble	Solid	300.0	39829
890-3479-17	FS17	Soluble	Solid	300.0	39829
890-3479-18	FS18	Soluble	Solid	300.0	39829
MB 880-39829/1-A	Method Blank	Soluble	Solid	300.0	39829
LCS 880-39829/2-A	Lab Control Sample	Soluble	Solid	300.0	39829
LCSD 880-39829/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	39829
890-3479-1 MS	FS01	Soluble	Solid	300.0	39829
890-3479-1 MSD	FS01	Soluble	Solid	300.0	39829

QC Association Summary

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3479-1
SDG: 03D2057018

HPLC/IC (Continued)

Analysis Batch: 40152 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3479-11 MS	FS11	Soluble	Solid	300.0	39829
890-3479-11 MSD	FS11	Soluble	Solid	300.0	39829

Lab Chronicle

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3479-1
SDG: 03D2057018

Client Sample ID: FS01
Date Collected: 11/14/22 11:10
Date Received: 11/15/22 13:31

Lab Sample ID: 890-3479-1
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			4.95 g	5 mL	40225	11/22/22 15:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40264	11/24/22 03:04	EL	EET MID
Total/NA	Analysis	Total BTEX		1			40496	11/28/22 15:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			40198	11/22/22 10:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39883	11/18/22 07:32	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40028	11/21/22 11:54	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	39829	11/17/22 14:33	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	40152	11/21/22 21:57	CH	EET MID

Client Sample ID: FS02
Date Collected: 11/14/22 11:15
Date Received: 11/15/22 13:31

Lab Sample ID: 890-3479-2
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			4.97 g	5 mL	40225	11/22/22 15:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40264	11/24/22 03:30	EL	EET MID
Total/NA	Analysis	Total BTEX		1			40496	11/28/22 15:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			40198	11/22/22 10:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39883	11/18/22 07:32	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40028	11/21/22 13:43	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	39829	11/17/22 14:33	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	40152	11/21/22 22:18	CH	EET MID

Client Sample ID: FS03
Date Collected: 11/14/22 11:20
Date Received: 11/15/22 13:31

Lab Sample ID: 890-3479-3
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	40225	11/22/22 15:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40264	11/24/22 03:56	EL	EET MID
Total/NA	Analysis	Total BTEX		1			40496	11/28/22 15:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			40198	11/22/22 10:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39883	11/18/22 07:32	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40028	11/21/22 14:05	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	39829	11/17/22 14:33	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	40152	11/21/22 22:26	CH	EET MID

Client Sample ID: FS04
Date Collected: 11/14/22 11:25
Date Received: 11/15/22 13:31

Lab Sample ID: 890-3479-4
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			5.05 g	5 mL	40225	11/22/22 15:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40264	11/24/22 04:21	EL	EET MID
Total/NA	Analysis	Total BTEX		1			40496	11/28/22 15:38	AJ	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3479-1
SDG: 03D2057018

Client Sample ID: FS04
Date Collected: 11/14/22 11:25
Date Received: 11/15/22 13:31

Lab Sample ID: 890-3479-4
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			40198	11/22/22 10:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39883	11/18/22 07:32	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40028	11/21/22 14:26	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	39829	11/17/22 14:33	CH	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	40152	11/21/22 22:33	CH	EET MID

Client Sample ID: FS05
Date Collected: 11/14/22 11:55
Date Received: 11/15/22 13:31

Lab Sample ID: 890-3479-5
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			4.96 g	5 mL	40225	11/22/22 15:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40264	11/24/22 04:47	EL	EET MID
Total/NA	Analysis	Total BTEX		1			40496	11/28/22 15:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			40198	11/22/22 10:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	39883	11/18/22 07:32	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40028	11/21/22 14:48	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	39829	11/17/22 14:33	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	40152	11/21/22 22:40	CH	EET MID

Client Sample ID: FS06
Date Collected: 11/14/22 12:00
Date Received: 11/15/22 13:31

Lab Sample ID: 890-3479-6
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			5.00 g	5 mL	40225	11/22/22 15:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40264	11/24/22 05:13	EL	EET MID
Total/NA	Analysis	Total BTEX		1			40496	11/28/22 15:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			40198	11/22/22 10:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39883	11/18/22 07:32	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40028	11/21/22 15:09	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	39829	11/17/22 14:33	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	40152	11/21/22 23:02	CH	EET MID

Client Sample ID: FS07
Date Collected: 11/14/22 12:05
Date Received: 11/15/22 13:31

Lab Sample ID: 890-3479-7
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			5.01 g	5 mL	40225	11/22/22 15:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40264	11/24/22 05:39	EL	EET MID
Total/NA	Analysis	Total BTEX		1			40496	11/28/22 15:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			40198	11/22/22 10:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39883	11/18/22 07:32	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40028	11/21/22 15:31	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3479-1
SDG: 03D2057018

Client Sample ID: FS07
Date Collected: 11/14/22 12:05
Date Received: 11/15/22 13:31

Lab Sample ID: 890-3479-7
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			5.03 g	50 mL	39829	11/17/22 14:33	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	40152	11/21/22 23:09	CH	EET MID

Client Sample ID: FS08
Date Collected: 11/14/22 12:10
Date Received: 11/15/22 13:31

Lab Sample ID: 890-3479-8
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			4.97 g	5 mL	40225	11/22/22 15:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40264	11/24/22 06:05	EL	EET MID
Total/NA	Analysis	Total BTEX		1			40496	11/28/22 15:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			40198	11/22/22 10:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	39883	11/18/22 07:32	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40028	11/21/22 15:53	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	39829	11/17/22 14:33	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	40152	11/21/22 23:16	CH	EET MID

Client Sample ID: FS09
Date Collected: 11/14/22 12:25
Date Received: 11/15/22 13:31

Lab Sample ID: 890-3479-9
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			4.96 g	5 mL	40225	11/22/22 15:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40264	11/24/22 06:31	EL	EET MID
Total/NA	Analysis	Total BTEX		1			40496	11/28/22 15:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			40198	11/22/22 10:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39883	11/18/22 07:32	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40028	11/21/22 16:37	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	39829	11/17/22 14:33	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	40152	11/21/22 23:23	CH	EET MID

Client Sample ID: FS10
Date Collected: 11/14/22 12:30
Date Received: 11/15/22 13:31

Lab Sample ID: 890-3479-10
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			5.05 g	5 mL	40225	11/22/22 15:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40264	11/24/22 06:57	EL	EET MID
Total/NA	Analysis	Total BTEX		1			40496	11/28/22 15:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			40198	11/22/22 10:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39883	11/18/22 07:32	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40028	11/21/22 16:59	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	39829	11/17/22 14:33	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	40152	11/21/22 23:30	CH	EET MID

Lab Chronicle

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3479-1
SDG: 03D2057018

Client Sample ID: FS11
Date Collected: 11/14/22 12:35
Date Received: 11/15/22 13:31

Lab Sample ID: 890-3479-11
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			5.01 g	5 mL	40225	11/22/22 15:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40264	11/24/22 08:43	EL	EET MID
Total/NA	Analysis	Total BTEX		1			40496	11/28/22 15:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			40198	11/22/22 10:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	39883	11/18/22 07:32	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40028	11/21/22 17:21	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	39829	11/17/22 14:33	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	40152	11/21/22 23:37	CH	EET MID

Client Sample ID: FS12
Date Collected: 11/14/22 12:40
Date Received: 11/15/22 13:31

Lab Sample ID: 890-3479-12
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			5.04 g	5 mL	40225	11/22/22 15:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40264	11/24/22 09:09	EL	EET MID
Total/NA	Analysis	Total BTEX		1			40496	11/28/22 15:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			40198	11/22/22 10:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39883	11/18/22 07:32	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40028	11/21/22 17:43	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	39829	11/17/22 14:33	CH	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	40152	11/21/22 23:59	CH	EET MID

Client Sample ID: FS13
Date Collected: 11/14/22 12:55
Date Received: 11/15/22 13:31

Lab Sample ID: 890-3479-13
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			4.98 g	5 mL	40225	11/22/22 15:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40264	11/24/22 09:35	EL	EET MID
Total/NA	Analysis	Total BTEX		1			40496	11/28/22 15:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			40198	11/22/22 10:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39883	11/18/22 07:32	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40028	11/21/22 18:05	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	39829	11/17/22 14:33	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	40152	11/22/22 00:06	CH	EET MID

Client Sample ID: FS14
Date Collected: 11/14/22 13:00
Date Received: 11/15/22 13:31

Lab Sample ID: 890-3479-14
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	40225	11/22/22 15:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40264	11/24/22 10:02	EL	EET MID
Total/NA	Analysis	Total BTEX		1			40496	11/28/22 15:38	AJ	EET MID

Lab Chronicle

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3479-1
SDG: 03D2057018

Client Sample ID: FS14
Date Collected: 11/14/22 13:00
Date Received: 11/15/22 13:31

Lab Sample ID: 890-3479-14
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			40198	11/22/22 10:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39883	11/18/22 07:32	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40028	11/21/22 18:27	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	39829	11/17/22 14:33	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	40152	11/22/22 00:27	CH	EET MID

Client Sample ID: FS15
Date Collected: 11/14/22 13:05
Date Received: 11/15/22 13:31

Lab Sample ID: 890-3479-15
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	40225	11/22/22 15:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40264	11/24/22 10:28	EL	EET MID
Total/NA	Analysis	Total BTEX		1			40496	11/28/22 15:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			40198	11/22/22 10:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	39883	11/18/22 07:32	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40028	11/21/22 18:49	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	39829	11/17/22 14:33	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	40152	11/22/22 00:34	CH	EET MID

Client Sample ID: FS16
Date Collected: 11/14/22 13:10
Date Received: 11/15/22 13:31

Lab Sample ID: 890-3479-16
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	40225	11/22/22 15:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40264	11/24/22 10:55	EL	EET MID
Total/NA	Analysis	Total BTEX		1			40496	11/28/22 15:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			40198	11/22/22 10:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39883	11/18/22 07:32	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40028	11/21/22 19:11	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	39829	11/17/22 14:33	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	40152	11/22/22 00:41	CH	EET MID

Client Sample ID: FS17
Date Collected: 11/14/22 13:45
Date Received: 11/15/22 13:31

Lab Sample ID: 890-3479-17
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	40225	11/22/22 15:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40264	11/24/22 11:20	EL	EET MID
Total/NA	Analysis	Total BTEX		1			40496	11/28/22 15:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			40198	11/22/22 10:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39883	11/18/22 07:32	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40028	11/21/22 19:32	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3479-1
SDG: 03D2057018

Client Sample ID: FS17

Lab Sample ID: 890-3479-17

Date Collected: 11/14/22 13:45
Matrix: Solid
Date Received: 11/15/22 13:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	39829	11/17/22 14:33	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	40152	11/22/22 00:48	CH	EET MID

Client Sample ID: FS18

Lab Sample ID: 890-3479-18

Date Collected: 11/14/22 13:50
Matrix: Solid
Date Received: 11/15/22 13:31

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	40225	11/22/22 15:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40264	11/24/22 11:46	EL	EET MID
Total/NA	Analysis	Total BTEX		1			40496	11/28/22 15:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			40198	11/22/22 10:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39883	11/18/22 07:32	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40028	11/21/22 19:53	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	39829	11/17/22 14:33	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	40152	11/22/22 00:56	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: Leamex 8 Battery

Job ID: 890-3479-1
SDG: 03D2057018

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	T104704400-22-24	06-30-23

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: Leamex 8 Battery

Job ID: 890-3479-1
SDG: 03D2057018

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	MCAWW	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

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3479-1
SDG: 03D2057018

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-3479-1	FS01	Solid	11/14/22 11:10	11/15/22 13:31	4'
890-3479-2	FS02	Solid	11/14/22 11:15	11/15/22 13:31	4'
890-3479-3	FS03	Solid	11/14/22 11:20	11/15/22 13:31	4'
890-3479-4	FS04	Solid	11/14/22 11:25	11/15/22 13:31	4'
890-3479-5	FS05	Solid	11/14/22 11:55	11/15/22 13:31	4'
890-3479-6	FS06	Solid	11/14/22 12:00	11/15/22 13:31	4'
890-3479-7	FS07	Solid	11/14/22 12:05	11/15/22 13:31	4'
890-3479-8	FS08	Solid	11/14/22 12:10	11/15/22 13:31	4'
890-3479-9	FS09	Solid	11/14/22 12:25	11/15/22 13:31	4'
890-3479-10	FS10	Solid	11/14/22 12:30	11/15/22 13:31	4'
890-3479-11	FS11	Solid	11/14/22 12:35	11/15/22 13:31	4'
890-3479-12	FS12	Solid	11/14/22 12:40	11/15/22 13:31	4'
890-3479-13	FS13	Solid	11/14/22 12:55	11/15/22 13:31	4'
890-3479-14	FS14	Solid	11/14/22 13:00	11/15/22 13:31	4'
890-3479-15	FS15	Solid	11/14/22 13:05	11/15/22 13:31	4'
890-3479-16	FS16	Solid	11/14/22 13:10	11/15/22 13:31	4'
890-3479-17	FS17	Solid	11/14/22 13:45	11/15/22 13:31	4'
890-3479-18	FS18	Solid	11/14/22 13:50	11/15/22 13:31	4'

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: _____

www.xenco.com Page 1 of 2

Project Manager:	Kalei Jennings	Bill to: (if different)	Kalei Jennings
Company Name:	Ensolum, LLC	Company Name:	Ensolum, LLC
Address:	601 N Marienfeld St Suite 400	Address:	601 N Marienfeld St Suite 400
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	817.683.2503	Email:	kjennings@ensolum.com

Work Order Comments

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

Project Name:	Leamex 8 Battery	Turn Around	☑ Routine ☐ Rush
Project Number:	03D2057018	Due Date:	
Project Location:	Lea County, NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Conner Shore		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	IR#8
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	5.8
Total Containers:		Corrected Temperature:	5.6

ANALYSIS REQUEST

Pres. Code

Parameters: CHLORIDES (EPA: 300.0); TPH (8015); BTEX (8021)

890-3479 Chain of Custody

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	TPH	BTEX
FS01	S	11.14.22	1110	4'	C	1	X	X	X
FS02	S	11.14.22	1115	4'	C	1	X	X	X
FS03	S	11.14.22	1120	4'	C	1	X	X	X
FS04	S	11.14.22	1125	4'	C	1	X	X	X
FS05	S	11.14.22	1155	4'	C	1	X	X	X
FS06	S	11.14.22	1200	4'	C	1	X	X	X
FS07	S	11.14.22	1205	4'	C	1	X	X	X
FS08	S	11.14.22	1210	4'	C	1	X	X	X
FS09	S	11.14.22	1225	4'	C	1	X	X	X
FS10	S	11.14.22	1230	4'	C	1	X	X	X

Sample Comments

Incident Number

NAPP2200641724

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	Amanda Stef	11/15/22 1331	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev: 2020.2

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: _____

www.xenco.com Page 2 of 2

Project Manager:	Kalei Jennings	Bill to: (if different)	Kalei Jennings
Company Name:	Ensolum, LLC	Company Name:	Ensolum, LLC
Address:	601 N Marienfeld St Suite 400	Address:	601 N Marienfeld St Suite 400
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	817.683.2503	Email:	kjennings@ensolum.com

Work Order Comments

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

Project Name:	Leamex 8 Battery	Turn Around	
Project Number:	03D2057018	☑ Routine ☐ Rush	
Project Location:	Lea County, NM	Due Date:	
Sampler's Name:	Conner Shore	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:		
Cooler Custody Seals:	Yes No N/A	Correction Factor:	0	
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	Parameters: CHLORIDES (EPA: 300.0)	TPH (8015)	BTEX (8021)
FS11	S	11.14.22	1235	4'	C	1		X	X	X
FS12	S	11.14.22	1240	4'	C	1		X	X	X
FS13	S	11.14.22	1255	4'	C	1		X	X	X
FS14	S	11.14.22	1300	4'	C	1		X	X	X
FS15	S	11.14.22	1305	4'	C	1		X	X	X
FS16	S	11.14.22	1310	4'	C	1		X	X	X
FS17	S	11.14.22	1345	4'	C	1		X	X	X
FS18	S	11.14.22	1350	4'	C	1		X	X	X

11.14.22

Sample Comments

Incident Number

NAPP2200641724

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	Amanda Stelt	11/15/22 1331	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-3479-1
SDG Number: 03D2057018

Login Number: 3479
List Number: 1
Creator: Stutzman, Amanda

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: 890-3479-1
SDG Number: 03D2057018

Login Number: 3479
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 11/17/22 02:07 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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Kalei Jennings
Ensolum
705 W. Wadley
Suite 210
Midland, Texas 79701

Generated 11/28/2022 4:20:51 PM

JOB DESCRIPTION

Leamex 8 Battery
SDG NUMBER Lea County NM

JOB NUMBER

890-3487-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

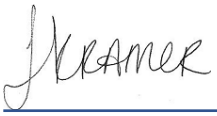
my EOL

Eurofins Carlsbad

Job Notes

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
11/28/2022 4:20:51 PM

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

Client: Ensolum
Project/Site: Leamex 8 Battery

Laboratory Job ID: 890-3487-1
SDG: Lea County NM

Table of Contents

Definitions/Glossary

Client: Ensolum Job ID: 890-3487-1
Project/Site: Leamex 8 Battery SDG: Lea County NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
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
Project/Site: Leamex 8 Battery

Job ID: 890-3487-1
SDG: Lea County NM

Job ID: 890-3487-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-3487-1

Receipt
The samples were received on 11/16/2022 9:45 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.6°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: FS23 (890-3487-1), FS24 (890-3487-2), FS25 (890-3487-3) and FS26 (890-3487-4).

GC VOA
Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCSD 880-40235/2-A). Evidence of matrix interferences is not obvious.

Method 8021B: LCSD biased low. Since only an acceptable LCS is required per the method, the data has been qualified and reported. (LCSD 880-40235/2-A)

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-40235 and analytical batch 880-40267 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The method blank for preparation batch 880-40235 and analytical batch 880-40267 contained m-Xylene & p-Xylene above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

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

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (880-21689-A-4-B). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The method blank for preparation batch 880-40184 and analytical batch 880-40168 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples 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: Leamex 8 Battery

Job ID: 890-3487-1
SDG: Lea County NM

Client Sample ID: FS23

Lab Sample ID: 890-3487-1
Matrix: Solid
Date Collected: 11/15/22 09:55
Date Received: 11/16/22 09:45
Sample Depth: 1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U *- *1	0.00202		mg/Kg		11/22/22 15:31	11/24/22 05:16	1
Toluene	<0.00202	U *- *1	0.00202		mg/Kg		11/22/22 15:31	11/24/22 05:16	1
Ethylbenzene	<0.00202	U *- *1	0.00202		mg/Kg		11/22/22 15:31	11/24/22 05:16	1
m-Xylene & p-Xylene	<0.00403	U *- *1	0.00403		mg/Kg		11/22/22 15:31	11/24/22 05:16	1
o-Xylene	<0.00202	U *- *1	0.00202		mg/Kg		11/22/22 15:31	11/24/22 05:16	1
Xylenes, Total	<0.00403	U *- *1	0.00403		mg/Kg		11/22/22 15:31	11/24/22 05:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*11/22/22 15:31*	*11/24/22 05:16*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*11/22/22 15:31*	*11/24/22 05:16*	*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			11/28/22 14:50	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			11/23/22 11:46	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		11/22/22 09:39	11/22/22 16:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/22/22 09:39	11/22/22 16:29	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/22/22 09:39	11/22/22 16:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*11/22/22 09:39*	*11/22/22 16:29*	*1*
o-Terphenyl	*96*		*70 - 130*	*11/22/22 09:39*	*11/22/22 16:29*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**116**		4.99		mg/Kg			11/22/22 22:28	1

Client Sample ID: FS24

Lab Sample ID: 890-3487-2
Matrix: Solid
Date Collected: 11/15/22 10:00
Date Received: 11/16/22 09:45
Sample Depth: 1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *- *1	0.00199		mg/Kg		11/22/22 15:31	11/24/22 05:37	1
Toluene	<0.00199	U *- *1	0.00199		mg/Kg		11/22/22 15:31	11/24/22 05:37	1
Ethylbenzene	<0.00199	U *- *1	0.00199		mg/Kg		11/22/22 15:31	11/24/22 05:37	1
m-Xylene & p-Xylene	<0.00398	U *- *1	0.00398		mg/Kg		11/22/22 15:31	11/24/22 05:37	1
o-Xylene	<0.00199	U *- *1	0.00199		mg/Kg		11/22/22 15:31	11/24/22 05:37	1
Xylenes, Total	<0.00398	U *- *1	0.00398		mg/Kg		11/22/22 15:31	11/24/22 05:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*11/22/22 15:31*	*11/24/22 05:37*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3487-1
SDG: Lea County NM

Client Sample ID: FS24

Lab Sample ID: 890-3487-2
Matrix: Solid
Date Collected: 11/15/22 10:00
Date Received: 11/16/22 09:45
Sample Depth: 1

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*11/22/22 15:31*	*11/24/22 05:37*	*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			11/28/22 14:50	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			11/23/22 11:46	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		11/22/22 09:39	11/22/22 16:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/22/22 09:39	11/22/22 16:51	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/22/22 09:39	11/22/22 16:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*11/22/22 09:39*	*11/22/22 16:51*	*1*
o-Terphenyl	*96*		*70 - 130*	*11/22/22 09:39*	*11/22/22 16:51*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**113**		5.00	mg/Kg			11/22/22 22:33	1

Client Sample ID: FS25

Lab Sample ID: 890-3487-3
Matrix: Solid
Date Collected: 11/15/22 10:05
Date Received: 11/16/22 09:45
Sample Depth: 1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *- *1	0.00200	mg/Kg		11/22/22 15:31	11/24/22 05:57	1
Toluene	<0.00200	U *- *1	0.00200	mg/Kg		11/22/22 15:31	11/24/22 05:57	1
Ethylbenzene	<0.00200	U *- *1	0.00200	mg/Kg		11/22/22 15:31	11/24/22 05:57	1
m-Xylene & p-Xylene	<0.00399	U *- *1	0.00399	mg/Kg		11/22/22 15:31	11/24/22 05:57	1
o-Xylene	<0.00200	U *- *1	0.00200	mg/Kg		11/22/22 15:31	11/24/22 05:57	1
Xylenes, Total	<0.00399	U *- *1	0.00399	mg/Kg		11/22/22 15:31	11/24/22 05:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*11/22/22 15:31*	*11/24/22 05:57*	*1*
1,4-Difluorobenzene (Surr)	*120*		*70 - 130*	*11/22/22 15:31*	*11/24/22 05:57*	*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			11/28/22 14:50	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			11/23/22 11:46	1

Client Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3487-1
SDG: Lea County NM

Client Sample ID: FS25

Lab Sample ID: 890-3487-3
Matrix: Solid
Date Collected: 11/15/22 10:05
Date Received: 11/16/22 09:45
Sample Depth: 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		11/22/22 09:39	11/22/22 17:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/22/22 09:39	11/22/22 17:14	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/22/22 09:39	11/22/22 17:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*11/22/22 09:39*	*11/22/22 17:14*	*1*
o-Terphenyl	*96*		*70 - 130*	*11/22/22 09:39*	*11/22/22 17:14*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**155**		4.97		mg/Kg			11/22/22 22:39	1

Client Sample ID: FS26

Lab Sample ID: 890-3487-4
Matrix: Solid
Date Collected: 11/15/22 10:10
Date Received: 11/16/22 09:45
Sample Depth: 1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *- *1	0.00201		mg/Kg		11/22/22 15:31	11/24/22 06:18	1
Toluene	<0.00201	U *- *1	0.00201		mg/Kg		11/22/22 15:31	11/24/22 06:18	1
Ethylbenzene	<0.00201	U *- *1	0.00201		mg/Kg		11/22/22 15:31	11/24/22 06:18	1
m-Xylene & p-Xylene	<0.00402	U *- *1	0.00402		mg/Kg		11/22/22 15:31	11/24/22 06:18	1
o-Xylene	<0.00201	U *- *1	0.00201		mg/Kg		11/22/22 15:31	11/24/22 06:18	1
Xylenes, Total	<0.00402	U *- *1	0.00402		mg/Kg		11/22/22 15:31	11/24/22 06:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*11/22/22 15:31*	*11/24/22 06:18*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*11/22/22 15:31*	*11/24/22 06:18*	*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			11/28/22 14:50	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			11/23/22 11:46	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	<49.8	U	49.8		mg/Kg		11/22/22 09:39	11/22/22 17:37	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/22/22 09:39	11/22/22 17:37	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/22/22 09:39	11/22/22 17:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*11/22/22 09:39*	*11/22/22 17:37*	*1*
o-Terphenyl	*101*		*70 - 130*	*11/22/22 09:39*	*11/22/22 17:37*	*1*

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3487-1
SDG: Lea County NM

Client Sample ID: FS26
Date Collected: 11/15/22 10:10
Date Received: 11/16/22 09:45
Sample Depth: 1

Lab Sample ID: 890-3487-4
Matrix: Solid

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	217		4.96		mg/Kg			11/22/22 22:45	1

Surrogate Summary

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3487-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-21869-A-1-A MS	Matrix Spike	113	111
880-21869-A-1-B MSD	Matrix Spike Duplicate	105	95
890-3487-1	FS23	116	99
890-3487-2	FS24	112	86
890-3487-3	FS25	124	120
890-3487-4	FS26	126	114
LCS 880-40235/1-A	Lab Control Sample	108	78
LCSD 880-40235/2-A	Lab Control Sample Dup	37 S1-	30 S1-
MB 880-40235/5-A	Method Blank	106	95
MB 880-40278/5-A	Method Blank	99	97

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)
880-21689-A-4-C MS	Matrix Spike	104	82
880-21689-A-4-D MSD	Matrix Spike Duplicate	112	86
890-3487-1	FS23	100	96
890-3487-2	FS24	105	96
890-3487-3	FS25	101	96
890-3487-4	FS26	105	101
LCS 880-40184/2-A	Lab Control Sample	117	105
LCSD 880-40184/3-A	Lab Control Sample Dup	98	102
MB 880-40184/1-A	Method Blank	112	107

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3487-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-40235/5-A
Matrix: Solid
Analysis Batch: 40267

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 40235

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/22/22 15:31	11/23/22 23:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/22/22 15:31	11/23/22 23:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/22/22 15:31	11/23/22 23:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/22/22 15:31	11/23/22 23:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/22/22 15:31	11/23/22 23:23	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/22/22 15:31	11/23/22 23:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*11/22/22 15:31*	*11/23/22 23:23*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*11/22/22 15:31*	*11/23/22 23:23*	*1*

Lab Sample ID: LCS 880-40235/1-A
Matrix: Solid
Analysis Batch: 40267

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 40235

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1100		mg/Kg		110	70 - 130		
Toluene			0.100	0.1004		mg/Kg		100	70 - 130		
Ethylbenzene			0.100	0.09891		mg/Kg		99	70 - 130		
m-Xylene & p-Xylene			0.200	0.2004		mg/Kg		100	70 - 130		
o-Xylene			0.100	0.1165		mg/Kg		117	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*

Lab Sample ID: LCSD 880-40235/2-A
Matrix: Solid
Analysis Batch: 40267

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 40235

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.03559	*- *1	mg/Kg		36	70 - 130	102	35
Toluene			0.100	0.03773	*- *1	mg/Kg		38	70 - 130	91	35
Ethylbenzene			0.100	0.03854	*- *1	mg/Kg		39	70 - 130	88	35
m-Xylene & p-Xylene			0.200	0.07074	*- *1	mg/Kg		35	70 - 130	96	35
o-Xylene			0.100	0.03879	*- *1	mg/Kg		39	70 - 130	100	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*37*	*S1-*	*70 - 130*
1,4-Difluorobenzene (Surr)	*30*	*S1-*	*70 - 130*

Lab Sample ID: 880-21869-A-1-A MS
Matrix: Solid
Analysis Batch: 40267

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 40235

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U *- F1 *1	0.101	0.04993	F1	mg/Kg		49	70 - 130		
Toluene	<0.00200	U *- F1 *1	0.101	0.05101	F1	mg/Kg		51	70 - 130		

QC Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3487-1
SDG: Lea County NM

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

Lab Sample ID: 880-21869-A-1-A MS
Matrix: Solid
Analysis Batch: 40267

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 40235

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U F2 *- F1 *1	0.101	0.04296	F1	mg/Kg		43	70 - 130
m-Xylene & p-Xylene	<0.00401	U *- F1 *1	0.202	0.08700	F1	mg/Kg		43	70 - 130
o-Xylene	<0.00200	U *- F1 *1	0.101	0.04980	F1	mg/Kg		49	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*

Lab Sample ID: 880-21869-A-1-B MSD
Matrix: Solid
Analysis Batch: 40267

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 40235

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U *- F1 *1	0.0994	0.04197	F1	mg/Kg		42	70 - 130	17	35
Toluene	<0.00200	U *- F1 *1	0.0994	0.04333	F1	mg/Kg		44	70 - 130	16	35
Ethylbenzene	<0.00200	U F2 *- F1 *1	0.0994	0.03981	F1	mg/Kg		40	70 - 130	8	35
m-Xylene & p-Xylene	<0.00401	U *- F1 *1	0.199	0.07885	F1	mg/Kg		40	70 - 130	10	35
o-Xylene	<0.00200	U *- F1 *1	0.0994	0.04448	F1	mg/Kg		45	70 - 130	11	35

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

Lab Sample ID: MB 880-40278/5-A
Matrix: Solid
Analysis Batch: 40267

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 40278

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/23/22 10:41	11/23/22 12:41	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/23/22 10:41	11/23/22 12:41	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/23/22 10:41	11/23/22 12:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		11/23/22 10:41	11/23/22 12:41	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/23/22 10:41	11/23/22 12:41	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/23/22 10:41	11/23/22 12:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*11/23/22 10:41*	*11/23/22 12:41*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*11/23/22 10:41*	*11/23/22 12:41*	*1*

QC Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3487-1
SDG: Lea County NM

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

Lab Sample ID: MB 880-40184/1-A
Matrix: Solid
Analysis Batch: 40168

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 40184

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		11/22/22 08:19	11/22/22 08:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/22/22 08:19	11/22/22 08:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/22/22 08:19	11/22/22 08:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*11/22/22 08:19*	*11/22/22 08:21*	*1*
o-Terphenyl	*107*		*70 - 130*	*11/22/22 08:19*	*11/22/22 08:21*	*1*

Lab Sample ID: LCS 880-40184/2-A
Matrix: Solid
Analysis Batch: 40168

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 40184

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	863.4		mg/Kg		86	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	979.4		mg/Kg		98	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*117*		*70 - 130*
o-Terphenyl	*105*		*70 - 130*

Lab Sample ID: LCSD 880-40184/3-A
Matrix: Solid
Analysis Batch: 40168

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 40184

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	886.1		mg/Kg		89	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	938.8		mg/Kg		94	70 - 130	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*98*		*70 - 130*
o-Terphenyl	*102*		*70 - 130*

Lab Sample ID: 880-21689-A-4-C MS
Matrix: Solid
Analysis Batch: 40168

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 40184

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	998	751.2		mg/Kg		75	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.8	U	998	888.4		mg/Kg		89	70 - 130		

QC Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3487-1
SDG: Lea County NM

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

Lab Sample ID: 880-21689-A-4-C MS
Matrix: Solid
Analysis Batch: 40168

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 40184

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	104		70 - 130
o-Terphenyl	82		70 - 130

Lab Sample ID: 880-21689-A-4-D MSD
Matrix: Solid
Analysis Batch: 40168

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 40184

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	<49.8	U	996	809.0		mg/Kg		81	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	<49.8	U	996	937.4		mg/Kg		94	70 - 130	5	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	112		70 - 130
o-Terphenyl	86		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-39834/1-A
Matrix: Solid
Analysis Batch: 40157

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			11/22/22 19:55	1

Lab Sample ID: LCS 880-39834/2-A
Matrix: Solid
Analysis Batch: 40157

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	262.5		mg/Kg		105	90 - 110		

Lab Sample ID: LCSD 880-39834/3-A
Matrix: Solid
Analysis Batch: 40157

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	260.8		mg/Kg		104	90 - 110	1	20

Lab Sample ID: 880-21705-A-5-B MS
Matrix: Solid
Analysis Batch: 40157

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	11.5		252	279.4		mg/Kg		107	90 - 110		

QC Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3487-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-21705-A-5-C MSD
Matrix: Solid
Analysis Batch: 40157

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	11.5		252	279.1		mg/Kg		106	90 - 110	0	20

QC Association Summary

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3487-1
SDG: Lea County NM

GC VOA

Prep Batch: 40235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3487-1	FS23	Total/NA	Solid	5035	
890-3487-2	FS24	Total/NA	Solid	5035	
890-3487-3	FS25	Total/NA	Solid	5035	
890-3487-4	FS26	Total/NA	Solid	5035	
MB 880-40235/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-40235/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-40235/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-21869-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-21869-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 40267

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3487-1	FS23	Total/NA	Solid	8021B	40235
890-3487-2	FS24	Total/NA	Solid	8021B	40235
890-3487-3	FS25	Total/NA	Solid	8021B	40235
890-3487-4	FS26	Total/NA	Solid	8021B	40235
MB 880-40235/5-A	Method Blank	Total/NA	Solid	8021B	40235
MB 880-40278/5-A	Method Blank	Total/NA	Solid	8021B	40278
LCS 880-40235/1-A	Lab Control Sample	Total/NA	Solid	8021B	40235
LCSD 880-40235/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	40235
880-21869-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	40235
880-21869-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	40235

Prep Batch: 40278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-40278/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 40475

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3487-1	FS23	Total/NA	Solid	Total BTEX	
890-3487-2	FS24	Total/NA	Solid	Total BTEX	
890-3487-3	FS25	Total/NA	Solid	Total BTEX	
890-3487-4	FS26	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 40168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3487-1	FS23	Total/NA	Solid	8015B NM	40184
890-3487-2	FS24	Total/NA	Solid	8015B NM	40184
890-3487-3	FS25	Total/NA	Solid	8015B NM	40184
890-3487-4	FS26	Total/NA	Solid	8015B NM	40184
MB 880-40184/1-A	Method Blank	Total/NA	Solid	8015B NM	40184
LCS 880-40184/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	40184
LCSD 880-40184/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	40184
880-21689-A-4-C MS	Matrix Spike	Total/NA	Solid	8015B NM	40184
880-21689-A-4-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	40184

Prep Batch: 40184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3487-1	FS23	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3487-1
SDG: Lea County NM

GC Semi VOA (Continued)

Prep Batch: 40184 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3487-2	FS24	Total/NA	Solid	8015NM Prep	
890-3487-3	FS25	Total/NA	Solid	8015NM Prep	
890-3487-4	FS26	Total/NA	Solid	8015NM Prep	
MB 880-40184/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-40184/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-40184/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-21689-A-4-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-21689-A-4-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 40296

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3487-1	FS23	Total/NA	Solid	8015 NM	
890-3487-2	FS24	Total/NA	Solid	8015 NM	
890-3487-3	FS25	Total/NA	Solid	8015 NM	
890-3487-4	FS26	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 39834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3487-1	FS23	Soluble	Solid	DI Leach	
890-3487-2	FS24	Soluble	Solid	DI Leach	
890-3487-3	FS25	Soluble	Solid	DI Leach	
890-3487-4	FS26	Soluble	Solid	DI Leach	
MB 880-39834/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-39834/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-39834/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-21705-A-5-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-21705-A-5-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 40157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3487-1	FS23	Soluble	Solid	300.0	39834
890-3487-2	FS24	Soluble	Solid	300.0	39834
890-3487-3	FS25	Soluble	Solid	300.0	39834
890-3487-4	FS26	Soluble	Solid	300.0	39834
MB 880-39834/1-A	Method Blank	Soluble	Solid	300.0	39834
LCS 880-39834/2-A	Lab Control Sample	Soluble	Solid	300.0	39834
LCSD 880-39834/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	39834
880-21705-A-5-B MS	Matrix Spike	Soluble	Solid	300.0	39834
880-21705-A-5-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	39834

Lab Chronicle

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3487-1
SDG: Lea County NM

Client Sample ID: FS23
Date Collected: 11/15/22 09:55
Date Received: 11/16/22 09:45

Lab Sample ID: 890-3487-1
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			4.96 g	5 mL	40235	11/22/22 15:31	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40267	11/24/22 05:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40475	11/28/22 14:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			40296	11/23/22 11:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	40184	11/22/22 09:39	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40168	11/22/22 16:29	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	39834	11/17/22 14:49	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	40157	11/22/22 22:28	SMC	EET MID

Client Sample ID: FS24
Date Collected: 11/15/22 10:00
Date Received: 11/16/22 09:45

Lab Sample ID: 890-3487-2
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	40235	11/22/22 15:31	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40267	11/24/22 05:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40475	11/28/22 14:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			40296	11/23/22 11:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	40184	11/22/22 09:39	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40168	11/22/22 16:51	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	39834	11/17/22 14:49	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	40157	11/22/22 22:33	SMC	EET MID

Client Sample ID: FS25
Date Collected: 11/15/22 10:05
Date Received: 11/16/22 09:45

Lab Sample ID: 890-3487-3
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	40235	11/22/22 15:31	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40267	11/24/22 05:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40475	11/28/22 14:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			40296	11/23/22 11:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	40184	11/22/22 09:39	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40168	11/22/22 17:14	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	39834	11/17/22 14:49	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	40157	11/22/22 22:39	SMC	EET MID

Client Sample ID: FS26
Date Collected: 11/15/22 10:10
Date Received: 11/16/22 09:45

Lab Sample ID: 890-3487-4
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			4.98 g	5 mL	40235	11/22/22 15:31	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40267	11/24/22 06:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40475	11/28/22 14:50	SM	EET MID

Lab Chronicle

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3487-1
SDG: Lea County NM

Client Sample ID: FS26

Date Collected: 11/15/22 10:10
Date Received: 11/16/22 09:45

Lab Sample ID: 890-3487-4

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			40296	11/23/22 11:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	40184	11/22/22 09:39	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40168	11/22/22 17:37	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	39834	11/17/22 14:49	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	40157	11/22/22 22:45	SMC	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: Leamex 8 Battery

Job ID: 890-3487-1
SDG: Lea County NM

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	T104704400-22-24	06-30-23

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: Leamex 8 Battery

Job ID: 890-3487-1
SDG: Lea County NM

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	MCAWW	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

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3487-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-3487-1	FS23	Solid	11/15/22 09:55	11/16/22 09:45	1
890-3487-2	FS24	Solid	11/15/22 10:00	11/16/22 09:45	1
890-3487-3	FS25	Solid	11/15/22 10:05	11/16/22 09:45	1
890-3487-4	FS26	Solid	11/15/22 10:10	11/16/22 09:45	1

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: _____

www.xenco.com Page 1 of 1

Project Manager:	Kalei Jennings	Bill to: (if different)	Kalei Jennings
Company Name:	Ensolum, LLC	Company Name:	Ensolum, LLC
Address:	601 N Marienfeld St Suite 400	Address:	601 N Marienfeld St Suite 400
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	817.683.2503	Email:	kjennings@ensolum.com

Work Order Comments

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

Project Name:	Leamex 8 Battery	Turn Around	
Project Number:	03D2057018	☑ Routine ☐ Rush	
Project Location:	Lea County, NM	Due Date:	
Sampler's Name:	Conner Shore	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:	TAM-807	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	5.8	
Total Containers:		Corrected Temperature:	5.6	

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	CHLORIDES (EPA: 300.0)	TPH (8015)	BTEX (8021)
FS23	S	11.15.22	955	1'	C	1		X	X	X
FS24	S	11.15.22	1000	1'	C	1		X	X	X
FS25	S	11.15.22	1005	1'	C	1		X	X	X
FS26	S	11.15.22	1010	1'	C	1		X	X	X

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 Comments

Incident Number

NAPP2200641724

11.15.22

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	Amanda Stuff	11/16/22 0945			
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-3487-1
SDG Number: Lea County NM

Login Number: 3487
List Number: 1
Creator: Clifton, Cloe

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: 890-3487-1
SDG Number: Lea County NM

Login Number: 3487
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 11/17/22 02:07 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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Kalei Jennings
Ensolum
705 W. Wadley
Suite 210
Midland Texas 79701

Generated 11/22/2022 3:18:26 PM

JOB DESCRIPTION

Leamex 8 Battery
SDG NUMBER 03D2057018

JOB NUMBER

890-3534-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

Client: Ensolum
Project/Site: Leamex 8 Battery

Laboratory Job ID: 890-3534-1
SDG: 03D2057018

Table of Contents

Definitions/Glossary

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3534-1
SDG: 03D2057018

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
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
Project/Site: Leamex 8 Battery

Job ID: 890-3534-1
SDG: 03D2057018

Job ID: 890-3534-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-3534-1

Receipt
The sample was received on 11/18/2022 1:50 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.0°C

Receipt Exceptions
The following sample was received and analyzed from an unpreserved bulk soil jar: SW04 (890-3534-1).

GC VOA
Method 8021B: The following sample was taken off of hold for analysis outside of holding time: (880-21170-A-1-D).

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

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

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-40065 and analytical batch 880-40111 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3534-1
SDG: 03D2057018

Client Sample ID: SW04

Date Collected: 11/18/22 11:00
Date Received: 11/18/22 13:50
Sample Depth: 0-4'

Lab Sample ID: 890-3534-1

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		11/21/22 09:48	11/21/22 13:45	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/21/22 09:48	11/21/22 13:45	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/21/22 09:48	11/21/22 13:45	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		11/21/22 09:48	11/21/22 13:45	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/21/22 09:48	11/21/22 13:45	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		11/21/22 09:48	11/21/22 13:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*11/21/22 09:48*	*11/21/22 13:45*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*11/21/22 09:48*	*11/21/22 13:45*	*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			11/22/22 15:30	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			11/22/22 10:43	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/21/22 07:32	11/21/22 13:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/21/22 07:32	11/21/22 13:21	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/21/22 07:32	11/21/22 13:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*11/21/22 07:32*	*11/21/22 13:21*	*1*
o-Terphenyl	*88*		*70 - 130*	*11/21/22 07:32*	*11/21/22 13:21*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**937**		4.96		mg/Kg			11/21/22 13:54	1

Surrogate Summary

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3534-1
SDG: 03D2057018

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-21170-A-1-B MS	Matrix Spike	94	97
880-21170-A-1-C MSD	Matrix Spike Duplicate	100	92
890-3534-1	SW04	121	104
LCS 880-40068/1-A	Lab Control Sample	86	98
LCSD 880-40068/2-A	Lab Control Sample Dup	88	97
MB 880-40068/5-A	Method Blank	101	92

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)
890-3479-A-1-E MS	Matrix Spike	91	71
890-3479-A-1-F MSD	Matrix Spike Duplicate	91	71
890-3534-1	SW04	88	88
LCS 880-39883/2-A	Lab Control Sample	108	107
LCSD 880-39883/3-A	Lab Control Sample Dup	120	116
MB 880-39883/1-A	Method Blank	130	126

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3534-1
SDG: 03D2057018

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-40068/5-A
Matrix: Solid
Analysis Batch: 40037

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 40068

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/21/22 09:48	11/21/22 11:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/21/22 09:48	11/21/22 11:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/21/22 09:48	11/21/22 11:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/21/22 09:48	11/21/22 11:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/21/22 09:48	11/21/22 11:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/21/22 09:48	11/21/22 11:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*11/21/22 09:48*	*11/21/22 11:40*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*11/21/22 09:48*	*11/21/22 11:40*	*1*

Lab Sample ID: LCS 880-40068/1-A
Matrix: Solid
Analysis Batch: 40037

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 40068

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08868		mg/Kg		89	70 - 130		
Toluene			0.100	0.09712		mg/Kg		97	70 - 130		
Ethylbenzene			0.100	0.09550		mg/Kg		96	70 - 130		
m-Xylene & p-Xylene			0.200	0.1825		mg/Kg		91	70 - 130		
o-Xylene			0.100	0.1022		mg/Kg		102	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: LCSD 880-40068/2-A
Matrix: Solid
Analysis Batch: 40037

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 40068

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08887		mg/Kg		89	70 - 130	0	35
Toluene			0.100	0.09792		mg/Kg		98	70 - 130	1	35
Ethylbenzene			0.100	0.09610		mg/Kg		96	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.1859		mg/Kg		93	70 - 130	2	35
o-Xylene			0.100	0.1067		mg/Kg		107	70 - 130	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: 880-21170-A-1-B MS
Matrix: Solid
Analysis Batch: 40037

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 40068

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00202	U	0.101	0.07441		mg/Kg		74	70 - 130		
Toluene	<0.00202	U	0.101	0.08387		mg/Kg		83	70 - 130		

QC Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3534-1
SDG: 03D2057018

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

Lab Sample ID: 880-21170-A-1-B MS
Matrix: Solid
Analysis Batch: 40037

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 40068

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00202	U	0.101	0.08712		mg/Kg		86	70 - 130
m-Xylene & p-Xylene	<0.00403	U	0.202	0.1713		mg/Kg		85	70 - 130
o-Xylene	<0.00202	U	0.101	0.09600		mg/Kg		95	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: 880-21170-A-1-C MSD
Matrix: Solid
Analysis Batch: 40037

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 40068

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.0996	0.08282		mg/Kg		83	70 - 130	11	35
Toluene	<0.00202	U	0.0996	0.09470		mg/Kg		95	70 - 130	12	35
Ethylbenzene	<0.00202	U	0.0996	0.09852		mg/Kg		99	70 - 130	12	35
m-Xylene & p-Xylene	<0.00403	U	0.199	0.1969		mg/Kg		99	70 - 130	14	35
o-Xylene	<0.00202	U	0.0996	0.1108		mg/Kg		111	70 - 130	14	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

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

Lab Sample ID: MB 880-39883/1-A
Matrix: Solid
Analysis Batch: 40028

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39883

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		11/18/22 07:32	11/21/22 08:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/18/22 07:32	11/21/22 08:58	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/18/22 07:32	11/21/22 08:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*130*		*70 - 130*	*11/18/22 07:32*	*11/21/22 08:58*	*1*
o-Terphenyl	*126*		*70 - 130*	*11/18/22 07:32*	*11/21/22 08:58*	*1*

Lab Sample ID: LCS 880-39883/2-A
Matrix: Solid
Analysis Batch: 40028

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39883

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10			1000	967.3		mg/Kg		97	70 - 130
Diesel Range Organics (Over C10-C28)			1000	981.4		mg/Kg		98	70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3534-1
SDG: 03D2057018

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

Lab Sample ID: LCS 880-39883/2-A
Matrix: Solid
Analysis Batch: 40028

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39883

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

Lab Sample ID: LCSD 880-39883/3-A
Matrix: Solid
Analysis Batch: 40028

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 39883

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	842.8		mg/Kg		84	70 - 130	14	20
Diesel Range Organics (Over C10-C28)			1000	1056		mg/Kg		106	70 - 130	7	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	120		70 - 130
o-Terphenyl	116		70 - 130

Lab Sample ID: 890-3479-A-1-E MS
Matrix: Solid
Analysis Batch: 40028

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 39883

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	746.7		mg/Kg		75	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	999	861.4		mg/Kg		86	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	91		70 - 130
o-Terphenyl	71		70 - 130

Lab Sample ID: 890-3479-A-1-F MSD
Matrix: Solid
Analysis Batch: 40028

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 39883

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	<50.0	U	997	772.6		mg/Kg		77	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	862.1		mg/Kg		86	70 - 130	0	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	91		70 - 130
o-Terphenyl	71		70 - 130

QC Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3534-1
SDG: 03D2057018

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-40065/1-A
Matrix: Solid
Analysis Batch: 40111

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			11/21/22 13:20	1

Lab Sample ID: LCS 880-40065/2-A
Matrix: Solid
Analysis Batch: 40111

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	258.0		mg/Kg		103	90 - 110		

Lab Sample ID: LCSD 880-40065/3-A
Matrix: Solid
Analysis Batch: 40111

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	256.6		mg/Kg		103	90 - 110	1	20

Lab Sample ID: 880-21816-A-3-B MS
Matrix: Solid
Analysis Batch: 40111

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	1170		250	1392	4	mg/Kg		88	90 - 110		

Lab Sample ID: 880-21816-A-3-C MSD
Matrix: Solid
Analysis Batch: 40111

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	1170		250	1394	4	mg/Kg		88	90 - 110	0	20

QC Association Summary

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3534-1
SDG: 03D2057018

GC VOA

Analysis Batch: 40037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3534-1	SW04	Total/NA	Solid	8021B	40068
MB 880-40068/5-A	Method Blank	Total/NA	Solid	8021B	40068
LCS 880-40068/1-A	Lab Control Sample	Total/NA	Solid	8021B	40068
LCSD 880-40068/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	40068
880-21170-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	40068
880-21170-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	40068

Prep Batch: 40068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3534-1	SW04	Total/NA	Solid	5035	
MB 880-40068/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-40068/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-40068/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-21170-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-21170-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 40229

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3534-1	SW04	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 39883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3534-1	SW04	Total/NA	Solid	8015NM Prep	
MB 880-39883/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-39883/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-39883/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3479-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-3479-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 40028

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3534-1	SW04	Total/NA	Solid	8015B NM	39883
MB 880-39883/1-A	Method Blank	Total/NA	Solid	8015B NM	39883
LCS 880-39883/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	39883
LCSD 880-39883/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	39883
890-3479-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	39883
890-3479-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	39883

Analysis Batch: 40200

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3534-1	SW04	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 40065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3534-1	SW04	Soluble	Solid	DI Leach	
MB 880-40065/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-40065/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-40065/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

QC Association Summary

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3534-1
SDG: 03D2057018

HPLC/IC (Continued)

Leach Batch: 40065 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21816-A-3-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-21816-A-3-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 40111

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3534-1	SW04	Soluble	Solid	300.0	40065
MB 880-40065/1-A	Method Blank	Soluble	Solid	300.0	40065
LCS 880-40065/2-A	Lab Control Sample	Soluble	Solid	300.0	40065
LCSD 880-40065/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	40065
880-21816-A-3-B MS	Matrix Spike	Soluble	Solid	300.0	40065
880-21816-A-3-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	40065

Lab Chronicle

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3534-1
SDG: 03D2057018

Client Sample ID: SW04

Date Collected: 11/18/22 11:00
Date Received: 11/18/22 13:50

Lab Sample ID: 890-3534-1

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			5.04 g	5 mL	40068	11/21/22 09:48	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40037	11/21/22 13:45	SM	EET MID
Total/NA	Analysis	Total BTEX		1			40229	11/22/22 15:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			40200	11/22/22 10:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39883	11/21/22 07:32	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40028	11/21/22 13:21	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	40065	11/21/22 09:36	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	40111	11/21/22 13:54	SMC	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: Leamex 8 Battery

Job ID: 890-3534-1
SDG: 03D2057018

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	T104704400-22-24	06-30-23

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: Leamex 8 Battery

Job ID: 890-3534-1
SDG: 03D2057018

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	MCAWW	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

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3534-1
SDG: 03D2057018

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-3534-1	SW04	Solid	11/18/22 11:00	11/18/22 13:50	0-4'

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: _____

www.xenco.com Page _____ of _____

Project Manager:	Kalei Jennings	Bill to: (if different)	Kalei Jennings
Company Name:	Ensolum, LLC	Company Name:	Ensolum, LLC
Address:	601 N Marienfeld St Suite 400	Address:	601 N Marienfeld St Suite 400
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	817.683.2503	Email:	kjennings@ensolum.com, hgreen@ensolum.com

Work Order Comments

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

Project Name:	Leamex 8 Battery	Turn Around	
Project Number:	03D2057018	☑ Routine ☒ Rush	
Project Location:	Lea County, NM	Due Date:	24 Hr
Sampler's Name:	Conner Shore	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:	IR-007	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	1.8	
Total Containers:		Corrected Temperature:	1.6	

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	Parameters: CHLORIDES (EPA: 300.0)	Parameters: TPH (8015)	Parameters: BTEX (8021)	Sample Comments
SW04	S	11.18.22	1100	0-4'	Comp	1		X	X	X	

DIV 11.18.22

890-3534 Chain of Custody

Incident number
NAPP2200641724

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	DIV	Amanda Stuff	11/18/22 1350			
3				4		
5				6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-3534-1
SDG Number: 03D2057018

Login Number: 3534
List Number: 1
Creator: Stutzman, Amanda

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: 890-3534-1
SDG Number: 03D2057018

Login Number: 3534
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 11/21/22 08:46 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	

Eurofins Carlsbad

Job Notes

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
11/22/2022 3:18:26 PM

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Kalei Jennings
Ensolum
705 W. Wadley
Suite 210
Midland, Texas 79701

Generated 11/29/2022 9:00:39 AM

JOB DESCRIPTION

Leamex 8 Battery
SDG NUMBER 03D2057018

JOB NUMBER

890-3535-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

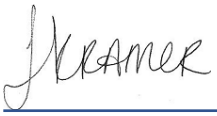
my EOL

Eurofins Carlsbad

Job Notes

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
11/29/2022 9:00:39 AM

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

Client: Ensolum
Project/Site: Leamex 8 Battery

Laboratory Job ID: 890-3535-1
SDG: 03D2057018

Table of Contents

Definitions/Glossary

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3535-1
SDG: 03D2057018

Qualifiers

GC VOA

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

GC Semi VOA

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

Glossary

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

Case Narrative

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3535-1
SDG: 03D2057018

Job ID: 890-3535-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-3535-1

Receipt
The sample was received on 11/18/2022 1:50 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.0°C

Receipt Exceptions
The following sample was received and analyzed from an unpreserved bulk soil jar: SW01 (890-3535-1).

GC VOA
Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-40466 and analytical batch 880-40361 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: (880-21941-A-1-E 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: (880-21941-A-1-F). 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: SW01 (890-3535-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-40341 and analytical batch 880-40260 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-40341/2-A) and (LCSD 880-40341/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (890-3498-A-1-B) and (890-3498-A-1-C MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The method blank for preparation batch 880-40341 and analytical batch 880-40260 contained Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 880-40341 and analytical batch 880-40260 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

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

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-40010 and analytical batch 880-40325 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Case Narrative

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3535-1
SDG: 03D2057018

Job ID: 890-3535-1 (Continued)

Laboratory: Eurofins Carlsbad (Continued)

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: Leamex 8 Battery

Job ID: 890-3535-1
SDG: 03D2057018

Client Sample ID: SW01

Date Collected: 11/18/22 10:45
Date Received: 11/18/22 13:50
Sample Depth: 0-4'

Lab Sample ID: 890-3535-1

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		11/28/22 12:53	11/29/22 03:37	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/28/22 12:53	11/29/22 03:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/28/22 12:53	11/29/22 03:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/28/22 12:53	11/29/22 03:37	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/28/22 12:53	11/29/22 03:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/28/22 12:53	11/29/22 03:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*65*	*S1-*	*70 - 130*	*11/28/22 12:53*	*11/29/22 03:37*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*11/28/22 12:53*	*11/29/22 03:37*	*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			11/29/22 09:34	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			11/28/22 12:39	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		11/23/22 14:58	11/24/22 04:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/23/22 14:58	11/24/22 04:18	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/23/22 14:58	11/24/22 04:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*11/23/22 14:58*	*11/24/22 04:18*	*1*
o-Terphenyl	*117*		*70 - 130*	*11/23/22 14:58*	*11/24/22 04:18*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**184**		4.95		mg/Kg			11/23/22 22:59	1

Surrogate Summary

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3535-1
SDG: 03D2057018

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)											
		BFB1	DFBZ1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
880-21941-A-1-D MS	Matrix Spike	76	105										
880-21941-A-1-E MSD	Matrix Spike Duplicate	69 S1-	102										
890-3535-1	SW01	65 S1-	102										
LCS 880-40466/1-A	Lab Control Sample	84	111										
LCSD 880-40466/2-A	Lab Control Sample Dup	82	94										
MB 880-40412/5-A	Method Blank	74	110										
MB 880-40466/5-A	Method Blank	73	97										

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)										
890-3498-A-1-C MS	Matrix Spike	131 S1+	128										
890-3498-A-1-D MSD	Matrix Spike Duplicate	118	118										
890-3535-1	SW01	113	117										
LCS 880-40341/2-A	Lab Control Sample	126	141 S1+										
LCSD 880-40341/3-A	Lab Control Sample Dup	122	136 S1+										
MB 880-40341/1-A	Method Blank	140 S1+	149 S1+										

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3535-1
SDG: 03D2057018

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-40412/5-A
Matrix: Solid
Analysis Batch: 40361

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 40412

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/28/22 10:23	11/28/22 12:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/28/22 10:23	11/28/22 12:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/28/22 10:23	11/28/22 12:29	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/28/22 10:23	11/28/22 12:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/28/22 10:23	11/28/22 12:29	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/28/22 10:23	11/28/22 12:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*74*		*70 - 130*	*11/28/22 10:23*	*11/28/22 12:29*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*11/28/22 10:23*	*11/28/22 12:29*	*1*

Lab Sample ID: MB 880-40466/5-A
Matrix: Solid
Analysis Batch: 40361

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 40466

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/28/22 12:53	11/29/22 00:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/28/22 12:53	11/29/22 00:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/28/22 12:53	11/29/22 00:05	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/28/22 12:53	11/29/22 00:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/28/22 12:53	11/29/22 00:05	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/28/22 12:53	11/29/22 00:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*73*		*70 - 130*	*11/28/22 12:53*	*11/29/22 00:05*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*11/28/22 12:53*	*11/29/22 00:05*	*1*

Lab Sample ID: LCS 880-40466/1-A
Matrix: Solid
Analysis Batch: 40361

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 40466

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1040		mg/Kg		104	70 - 130		
Toluene			0.100	0.1006		mg/Kg		101	70 - 130		
Ethylbenzene			0.100	0.09217		mg/Kg		92	70 - 130		
m-Xylene & p-Xylene			0.200	0.1598		mg/Kg		80	70 - 130		
o-Xylene			0.100	0.07997		mg/Kg		80	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*

Lab Sample ID: LCSD 880-40466/2-A
Matrix: Solid
Analysis Batch: 40361

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 40466

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08207		mg/Kg		82	70 - 130	24	35

QC Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3535-1
SDG: 03D2057018

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

Lab Sample ID: LCSD 880-40466/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 40361 — **Prep Batch: 40466**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.1103		mg/Kg		110	70 - 130	9	35
Ethylbenzene			0.100	0.1123		mg/Kg		112	70 - 130	20	35
m-Xylene & p-Xylene			0.200	0.2024		mg/Kg		101	70 - 130	24	35
o-Xylene			0.100	0.09966		mg/Kg		100	70 - 130	22	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: 880-21941-A-1-D MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 40361 — **Prep Batch: 40466**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F1	0.0996	0.03139	F1	mg/Kg		32	70 - 130
Toluene	<0.00200	U F1	0.0996	0.02826	F1	mg/Kg		28	70 - 130
Ethylbenzene	<0.00200	U F1	0.0996	0.02733	F1	mg/Kg		27	70 - 130
m-Xylene & p-Xylene	<0.00401	U F1	0.199	0.04741	F1	mg/Kg		24	70 - 130
o-Xylene	<0.00200	U F1	0.0996	0.02598	F1	mg/Kg		26	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*76*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: 880-21941-A-1-E MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 40361 — **Prep Batch: 40466**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.0996	0.03831	F1	mg/Kg		38	70 - 130	20	35
Toluene	<0.00200	U F1	0.0996	0.02919	F1	mg/Kg		29	70 - 130	3	35
Ethylbenzene	<0.00200	U F1	0.0996	0.02670	F1	mg/Kg		27	70 - 130	2	35
m-Xylene & p-Xylene	<0.00401	U F1	0.199	0.04101	F1	mg/Kg		21	70 - 130	14	35
o-Xylene	<0.00200	U F1	0.0996	0.02211	F1	mg/Kg		22	70 - 130	16	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*69*	*S1-*	*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

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

Lab Sample ID: MB 880-40341/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 40260 — **Prep Batch: 40341**

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		11/23/22 14:58	11/23/22 20:46	1

QC Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3535-1
SDG: 03D2057018

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

Lab Sample ID: MB 880-40341/1-A
Matrix: Solid
Analysis Batch: 40260

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 40341

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		11/23/22 14:58	11/23/22 20:46	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/23/22 14:58	11/23/22 20:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*140*	*S1+*	*70 - 130*	*11/23/22 14:58*	*11/23/22 20:46*	*1*
o-Terphenyl	*149*	*S1+*	*70 - 130*	*11/23/22 14:58*	*11/23/22 20:46*	*1*

Lab Sample ID: LCS 880-40341/2-A
Matrix: Solid
Analysis Batch: 40260

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 40341

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	981.4		mg/Kg		98	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1013		mg/Kg		101	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*126*		*70 - 130*
o-Terphenyl	*141*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-40341/3-A
Matrix: Solid
Analysis Batch: 40260

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 40341

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1015		mg/Kg		101	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	978.2		mg/Kg		98	70 - 130	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*122*		*70 - 130*
o-Terphenyl	*136*	*S1+*	*70 - 130*

Lab Sample ID: 890-3498-A-1-C MS
Matrix: Solid
Analysis Batch: 40260

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 40341

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.8	U F2	997	1247		mg/Kg		121	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.8	U	997	1161		mg/Kg		116	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*131*	*S1+*	*70 - 130*
o-Terphenyl	*128*		*70 - 130*

QC Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3535-1
SDG: 03D2057018

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

Lab Sample ID: 890-3498-A-1-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 40260 — **Prep Batch: 40341**

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	<49.8	U F2	996	924.4	F2	mg/Kg		89	70 - 130	30	20
Diesel Range Organics (Over C10-C28)	<49.8	U	996	1069		mg/Kg		107	70 - 130	8	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*118*		*70 - 130*
o-Terphenyl	*118*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-40010/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 40325

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			11/23/22 19:11	1

Lab Sample ID: LCS 880-40010/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 40325

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	243.9		mg/Kg		98	90 - 110		

Lab Sample ID: LCSD 880-40010/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 40325

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	246.3		mg/Kg		99	90 - 110	1	20

Lab Sample ID: 890-3526-A-1-B MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 40325

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	458	F1	250	669.7	F1	mg/Kg		85	90 - 110		

Lab Sample ID: 890-3526-A-1-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 40325

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	458	F1	250	670.8	F1	mg/Kg		85	90 - 110	0	20

QC Association Summary

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3535-1
SDG: 03D2057018

GC VOA

Analysis Batch: 40361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3535-1	SW01	Total/NA	Solid	8021B	40466
MB 880-40412/5-A	Method Blank	Total/NA	Solid	8021B	40412
MB 880-40466/5-A	Method Blank	Total/NA	Solid	8021B	40466
LCS 880-40466/1-A	Lab Control Sample	Total/NA	Solid	8021B	40466
LCSD 880-40466/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	40466
880-21941-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	40466
880-21941-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	40466

Prep Batch: 40412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-40412/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 40466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3535-1	SW01	Total/NA	Solid	5035	
MB 880-40466/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-40466/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-40466/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-21941-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
880-21941-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 40571

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3535-1	SW01	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 40260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3535-1	SW01	Total/NA	Solid	8015B NM	40341
MB 880-40341/1-A	Method Blank	Total/NA	Solid	8015B NM	40341
LCS 880-40341/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	40341
LCSD 880-40341/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	40341
890-3498-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	40341
890-3498-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	40341

Prep Batch: 40341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3535-1	SW01	Total/NA	Solid	8015NM Prep	
MB 880-40341/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-40341/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-40341/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3498-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-3498-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 40463

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3535-1	SW01	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3535-1
SDG: 03D2057018

HPLC/IC

Leach Batch: 40010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3535-1	SW01	Soluble	Solid	DI Leach	
MB 880-40010/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-40010/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-40010/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3526-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
890-3526-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 40325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3535-1	SW01	Soluble	Solid	300.0	40010
MB 880-40010/1-A	Method Blank	Soluble	Solid	300.0	40010
LCS 880-40010/2-A	Lab Control Sample	Soluble	Solid	300.0	40010
LCSD 880-40010/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	40010
890-3526-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	40010
890-3526-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	40010

Lab Chronicle

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3535-1
SDG: 03D2057018

Client Sample ID: SW01

Date Collected: 11/18/22 10:45
Date Received: 11/18/22 13:50

Lab Sample ID: 890-3535-1

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	40466	11/28/22 12:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40361	11/29/22 03:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40571	11/29/22 09:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			40463	11/28/22 12:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	40341	11/23/22 14:58	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40260	11/24/22 04:18	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	40010	11/20/22 12:21	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	40325	11/23/22 22:59	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: Leamex 8 Battery

Job ID: 890-3535-1
SDG: 03D2057018

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	T104704400-22-24	06-30-23

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: Leamex 8 Battery

Job ID: 890-3535-1
SDG: 03D2057018

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	MCAWW	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

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 890-3535-1
SDG: 03D2057018

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-3535-1	SW01	Solid	11/18/22 10:45	11/18/22 13:50	0-4'

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: _____

www.xenco.com Page ____ of ____

Project Manager:	Kalei Jennings	Bill to: (if different)	Kalei Jennings
Company Name:	Ensolum, LLC	Company Name:	Ensolum, LLC
Address:	601 N Marienfeld St Suite 400	Address:	601 N Marienfeld St Suite 400
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	817.683.2503	Email:	kjennings@ensolum.com, hgreen@ensolum.com

Work Order Comments

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

Project Name:	Leamex 8 Battery	Turn Around	
Project Number:	03D2057018	☑ Routine ☐ Rush	Pres. Code
Project Location:	Lea County, NM	Due Date:	
Sampler's Name:	Conner Shore	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:	TAM-007
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	1.2
Total Containers:		Corrected Temperature:	1.0

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	CHLORIDES (EPA: 300.0)	TPH (8015)	BTEX (8021
SW01	S	11.18.22	1045	0-4'	Comp	1	X	X	X

890-3535 Chain of Custody

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 Comments

Incident number
NAPP2200641724

DW 11.18.22

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 DMiKens	Amanda Bustos	11/18/22 1350			
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-3535-1
SDG Number: 03D2057018

Login Number: 3535
List Number: 1
Creator: Stutzman, Amanda

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: 890-3535-1
SDG Number: 03D2057018

Login Number: 3535
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 11/21/22 08:46 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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Kalei Jennings
Ensolum
601 N. Marienfeld St.
Suite 400
Midland, Texas 79701

Generated 12/6/2022 10:08:20 AM

JOB DESCRIPTION

Leamex 8 Battery
SDG NUMBER Lea County NM

JOB NUMBER

880-22168-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

my EOL

Eurofins Midland

Job Notes

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
12/6/2022 10:08:20 AM

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

Client: Ensolum
Project/Site: Leamex 8 Battery

Laboratory Job ID: 880-22168-1
SDG: Lea County NM

Table of Contents

Eurofins Midland
12/6/2022

Definitions/Glossary

Client: Ensolum Job ID: 880-22168-1
Project/Site: Leamex 8 Battery SDG: Lea County NM

Qualifiers

GC VOA

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

GC Semi VOA

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

Glossary

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

Case Narrative

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22168-1
SDG: Lea County NM

Job ID: 880-22168-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-22168-1

Receipt
The samples were received on 12/1/2022 11:17 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

GC VOA
Method 8021B: Surrogate recovery for the following sample was outside control limits: (880-22160-A-1-B MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-40872 and analytical batch 880-40844 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 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-40872 and analytical batch 880-40844 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-40859/2-A) and (LCSD 880-40859/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-40859 and analytical batch 880-40861 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: SW02 (880-22168-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SW03 (880-22168-2), SW05 (880-22168-3), SW06 (880-22168-4), SW07 (880-22168-5), SW08 (880-22168-6), SW09 (880-22168-7), SW10 (880-22168-8), SW11 (880-22168-9) and SW12 (880-22168-10). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SW13 (880-22168-11), SW14 (880-22168-12), SW15 (880-22168-13), SW16 (880-22168-14), SW17 (880-22168-15), SW18 (880-22168-16), SW19 (880-22168-17), SW20 (880-22168-18), SW21 (880-22168-19) and SW22 (880-22168-20). 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) precision for preparation batch 880-40859 and analytical batch 880-40861 was outside control limits. Sample non-homogeneity is suspected.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-40946 and analytical batch 880-40965 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-40946/2-A) and (LCSD 880-40946/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (880-22209-A-6-C) and (880-22209-A-6-D MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Case Narrative

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22168-1
SDG: Lea County NM

Job ID: 880-22168-1 (Continued)

Laboratory: Eurofins Midland (Continued)

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: SW04 (880-22168-21). 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

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-40939 and analytical batch 880-40963 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-40944 and analytical batch 880-40964 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22168-1
SDG: Lea County NM

Client Sample ID: SW02

Lab Sample ID: 880-22168-1
Matrix: Solid
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17
Sample Depth: 0 - 4'

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		12/02/22 10:18	12/05/22 15:47	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/02/22 10:18	12/05/22 15:47	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/02/22 10:18	12/05/22 15:47	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/02/22 10:18	12/05/22 15:47	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/02/22 10:18	12/05/22 15:47	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/02/22 10:18	12/05/22 15:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*12/02/22 10:18*	*12/05/22 15:47*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*12/02/22 10:18*	*12/05/22 15:47*	*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			12/06/22 10:52	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			12/05/22 12:38	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 F2	50.0		mg/Kg		12/02/22 09:04	12/02/22 15:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/02/22 09:04	12/02/22 15:44	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/22 09:04	12/02/22 15:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*135*	*S1+*	*70 - 130*	*12/02/22 09:04*	*12/02/22 15:44*	*1*
o-Terphenyl	*151*	*S1+*	*70 - 130*	*12/02/22 09:04*	*12/02/22 15:44*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**114**		5.00		mg/Kg			12/05/22 17:23	1

Client Sample ID: SW03

Lab Sample ID: 880-22168-2
Matrix: Solid
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17
Sample Depth: 0 - 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		12/02/22 10:18	12/05/22 16:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/22 10:18	12/05/22 16:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/02/22 10:18	12/05/22 16:08	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/02/22 10:18	12/05/22 16:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/22 10:18	12/05/22 16:08	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/02/22 10:18	12/05/22 16:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*12/02/22 10:18*	*12/05/22 16:08*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22168-1
SDG: Lea County NM

Client Sample ID: SW03

Lab Sample ID: 880-22168-2
Matrix: Solid
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17
Sample Depth: 0 - 4'

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*12/02/22 10:18*	*12/05/22 16:08*	*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			12/06/22 10:52	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			12/05/22 12:38	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	<49.9	U	49.9	mg/Kg		12/02/22 09:04	12/02/22 17:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/02/22 09:04	12/02/22 17:50	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/02/22 09:04	12/02/22 17:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*142*	*S1+*	*70 - 130*	*12/02/22 09:04*	*12/02/22 17:50*	*1*
o-Terphenyl	*151*	*S1+*	*70 - 130*	*12/02/22 09:04*	*12/02/22 17:50*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**319**		4.99	mg/Kg			12/05/22 17:48	1

Client Sample ID: SW05

Lab Sample ID: 880-22168-3
Matrix: Solid
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17
Sample Depth: 0 - 4'

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		12/02/22 10:18	12/05/22 16:28	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/02/22 10:18	12/05/22 16:28	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/02/22 10:18	12/05/22 16:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		12/02/22 10:18	12/05/22 16:28	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/02/22 10:18	12/05/22 16:28	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/02/22 10:18	12/05/22 16:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*12/02/22 10:18*	*12/05/22 16:28*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*12/02/22 10:18*	*12/05/22 16:28*	*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			12/06/22 10:52	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			12/05/22 12:38	1

Eurofins Midland

Client Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22168-1
SDG: Lea County NM

Client Sample ID: SW05

Lab Sample ID: 880-22168-3
Matrix: Solid
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17
Sample Depth: 0 - 4'

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		12/02/22 09:04	12/02/22 18:13	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/02/22 09:04	12/02/22 18:13	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/02/22 09:04	12/02/22 18:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*125*		*70 - 130*	*12/02/22 09:04*	*12/02/22 18:13*	*1*
o-Terphenyl	*139*	*S1+*	*70 - 130*	*12/02/22 09:04*	*12/02/22 18:13*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**355**		4.98		mg/Kg			12/05/22 17:56	1

Client Sample ID: SW06

Lab Sample ID: 880-22168-4
Matrix: Solid
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17
Sample Depth: 0 - 4'

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		12/05/22 13:13	12/06/22 02:41	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/05/22 13:13	12/06/22 02:41	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/05/22 13:13	12/06/22 02:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/05/22 13:13	12/06/22 02:41	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/05/22 13:13	12/06/22 02:41	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/05/22 13:13	12/06/22 02:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*12/05/22 13:13*	*12/06/22 02:41*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*12/05/22 13:13*	*12/06/22 02:41*	*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			12/06/22 10:52	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			12/05/22 12:38	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		12/02/22 09:04	12/02/22 18:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/02/22 09:04	12/02/22 18:36	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/22 09:04	12/02/22 18:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*123*		*70 - 130*	*12/02/22 09:04*	*12/02/22 18:36*	*1*
o-Terphenyl	*135*	*S1+*	*70 - 130*	*12/02/22 09:04*	*12/02/22 18:36*	*1*

Eurofins Midland

Client Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22168-1
SDG: Lea County NM

Client Sample ID: SW06

Lab Sample ID: 880-22168-4
Matrix: Solid
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17
Sample Depth: 0 - 4'

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	364		5.02		mg/Kg			12/05/22 18:04	1

Client Sample ID: SW07

Lab Sample ID: 880-22168-5
Matrix: Solid
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17
Sample Depth: 0 - 4'

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		12/05/22 13:13	12/06/22 03:02	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/05/22 13:13	12/06/22 03:02	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/05/22 13:13	12/06/22 03:02	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/05/22 13:13	12/06/22 03:02	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/05/22 13:13	12/06/22 03:02	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/05/22 13:13	12/06/22 03:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*12/05/22 13:13*	*12/06/22 03:02*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*12/05/22 13:13*	*12/06/22 03:02*	*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			12/06/22 10:52	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			12/05/22 12:38	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		12/02/22 09:04	12/02/22 18:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/02/22 09:04	12/02/22 18:58	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/22 09:04	12/02/22 18:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*148*	*S1+*	*70 - 130*	*12/02/22 09:04*	*12/02/22 18:58*	*1*
o-Terphenyl	*157*	*S1+*	*70 - 130*	*12/02/22 09:04*	*12/02/22 18:58*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	432		5.00		mg/Kg			12/05/22 18:12	1

Client Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22168-1
SDG: Lea County NM

Client Sample ID: SW08

Lab Sample ID: 880-22168-6
Matrix: Solid
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17
Sample Depth: 0 - 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		12/05/22 13:13	12/06/22 03:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/05/22 13:13	12/06/22 03:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/05/22 13:13	12/06/22 03:22	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/05/22 13:13	12/06/22 03:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/05/22 13:13	12/06/22 03:22	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/05/22 13:13	12/06/22 03:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*12/05/22 13:13*	*12/06/22 03:22*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*12/05/22 13:13*	*12/06/22 03:22*	*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			12/06/22 10:52	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			12/05/22 12:38	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		12/02/22 09:04	12/02/22 19:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/02/22 09:04	12/02/22 19:21	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/22 09:04	12/02/22 19:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*123*		*70 - 130*	*12/02/22 09:04*	*12/02/22 19:21*	*1*
o-Terphenyl	*132*	*S1+*	*70 - 130*	*12/02/22 09:04*	*12/02/22 19:21*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**20.5**		4.96		mg/Kg			12/05/22 18:20	1

Client Sample ID: SW09

Lab Sample ID: 880-22168-7
Matrix: Solid
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17
Sample Depth: 0 - 4'

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		12/05/22 13:13	12/06/22 03:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/05/22 13:13	12/06/22 03:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/05/22 13:13	12/06/22 03:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/05/22 13:13	12/06/22 03:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/05/22 13:13	12/06/22 03:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/05/22 13:13	12/06/22 03:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*12/05/22 13:13*	*12/06/22 03:43*	*1*

Eurofins Midland

Client Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22168-1
SDG: Lea County NM

Client Sample ID: SW09

Lab Sample ID: 880-22168-7
Matrix: Solid
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17
Sample Depth: 0 - 4'

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*12/05/22 13:13*	*12/06/22 03:43*	*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			12/06/22 10:52	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			12/05/22 12:38	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	<49.9	U	49.9	mg/Kg		12/02/22 09:04	12/02/22 19:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/02/22 09:04	12/02/22 19:44	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/02/22 09:04	12/02/22 19:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*131*	*S1+*	*70 - 130*	*12/02/22 09:04*	*12/02/22 19:44*	*1*
o-Terphenyl	*137*	*S1+*	*70 - 130*	*12/02/22 09:04*	*12/02/22 19:44*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14.1**	**F1**	4.98	mg/Kg			12/05/22 18:28	1

Client Sample ID: SW10

Lab Sample ID: 880-22168-8
Matrix: Solid
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17
Sample Depth: 0 - 4'

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		12/03/22 13:13	12/06/22 05:04	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/03/22 13:13	12/06/22 05:04	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/03/22 13:13	12/06/22 05:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		12/03/22 13:13	12/06/22 05:04	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/03/22 13:13	12/06/22 05:04	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/03/22 13:13	12/06/22 05:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*12/03/22 13:13*	*12/06/22 05:04*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*12/03/22 13:13*	*12/06/22 05:04*	*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			12/06/22 10:52	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			12/05/22 12:38	1

Eurofins Midland

Client Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22168-1
SDG: Lea County NM

Client Sample ID: SW10

Lab Sample ID: 880-22168-8
Matrix: Solid
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17
Sample Depth: 0 - 4'

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		12/02/22 09:04	12/02/22 20:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/02/22 09:04	12/02/22 20:08	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/22 09:04	12/02/22 20:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*131*	*S1+*	*70 - 130*	*12/02/22 09:04*	*12/02/22 20:08*	*1*
o-Terphenyl	*137*	*S1+*	*70 - 130*	*12/02/22 09:04*	*12/02/22 20:08*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16.0**		5.01		mg/Kg			12/05/22 18:53	1

Client Sample ID: SW11

Lab Sample ID: 880-22168-9
Matrix: Solid
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17
Sample Depth: 0 - 4'

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/05/22 13:13	12/06/22 05:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/05/22 13:13	12/06/22 05:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/05/22 13:13	12/06/22 05:25	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/05/22 13:13	12/06/22 05:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/05/22 13:13	12/06/22 05:25	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/05/22 13:13	12/06/22 05:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*12/05/22 13:13*	*12/06/22 05:25*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*12/05/22 13:13*	*12/06/22 05:25*	*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			12/06/22 10:52	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			12/05/22 12:38	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		12/02/22 09:04	12/02/22 20:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/02/22 09:04	12/02/22 20:31	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/22 09:04	12/02/22 20:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*134*	*S1+*	*70 - 130*	*12/02/22 09:04*	*12/02/22 20:31*	*1*
o-Terphenyl	*141*	*S1+*	*70 - 130*	*12/02/22 09:04*	*12/02/22 20:31*	*1*

Eurofins Midland

Client Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22168-1
SDG: Lea County NM

Client Sample ID: SW11

Lab Sample ID: 880-22168-9
Matrix: Solid
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17
Sample Depth: 0 - 4'

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.1		5.00		mg/Kg			12/05/22 19:01	1

Client Sample ID: SW12

Lab Sample ID: 880-22168-10
Matrix: Solid
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17
Sample Depth: 0 - 4'

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		12/02/22 10:18	12/05/22 18:52	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/02/22 10:18	12/05/22 18:52	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/02/22 10:18	12/05/22 18:52	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/02/22 10:18	12/05/22 18:52	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/02/22 10:18	12/05/22 18:52	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/02/22 10:18	12/05/22 18:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*12/02/22 10:18*	*12/05/22 18:52*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*12/02/22 10:18*	*12/05/22 18:52*	*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			12/06/22 10:52	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			12/05/22 12:38	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	<49.9	U	49.9		mg/Kg		12/02/22 09:04	12/02/22 20:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/02/22 09:04	12/02/22 20:54	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/02/22 09:04	12/02/22 20:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*123*		*70 - 130*	*12/02/22 09:04*	*12/02/22 20:54*	*1*
o-Terphenyl	*137*	*S1+*	*70 - 130*	*12/02/22 09:04*	*12/02/22 20:54*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	75.1		5.02		mg/Kg			12/05/22 19:25	1

Client Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22168-1
SDG: Lea County NM

Client Sample ID: SW13

Lab Sample ID: 880-22168-11
Matrix: Solid
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17
Sample Depth: 0 - 4'

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		12/02/22 10:18	12/05/22 20:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/02/22 10:18	12/05/22 20:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/02/22 10:18	12/05/22 20:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/02/22 10:18	12/05/22 20:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/02/22 10:18	12/05/22 20:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/02/22 10:18	12/05/22 20:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*12/02/22 10:18*	*12/05/22 20:14*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*12/02/22 10:18*	*12/05/22 20:14*	*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			12/06/22 10:52	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			12/05/22 12:38	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	<49.9	U	49.9		mg/Kg		12/02/22 09:04	12/02/22 21:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/02/22 09:04	12/02/22 21:41	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/02/22 09:04	12/02/22 21:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*138*	*S1+*	*70 - 130*	*12/02/22 09:04*	*12/02/22 21:41*	*1*
o-Terphenyl	*144*	*S1+*	*70 - 130*	*12/02/22 09:04*	*12/02/22 21:41*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.8**		4.99		mg/Kg			12/05/22 19:33	1

Client Sample ID: SW14

Lab Sample ID: 880-22168-12
Matrix: Solid
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17
Sample Depth: 0 - 4'

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		12/02/22 10:18	12/05/22 20:34	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/02/22 10:18	12/05/22 20:34	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/02/22 10:18	12/05/22 20:34	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/02/22 10:18	12/05/22 20:34	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/02/22 10:18	12/05/22 20:34	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/02/22 10:18	12/05/22 20:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*12/02/22 10:18*	*12/05/22 20:34*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22168-1
SDG: Lea County NM

Client Sample ID: SW14

Lab Sample ID: 880-22168-12
Matrix: Solid
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17
Sample Depth: 0 - 4'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*12/02/22 10:18*	*12/05/22 20:34*	*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			12/06/22 10:52	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			12/05/22 12:38	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		12/02/22 09:04	12/02/22 22:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/02/22 09:04	12/02/22 22:03	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/02/22 09:04	12/02/22 22:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*149*	*S1+*	*70 - 130*	*12/02/22 09:04*	*12/02/22 22:03*	*1*
o-Terphenyl	*158*	*S1+*	*70 - 130*	*12/02/22 09:04*	*12/02/22 22:03*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**44.9**		5.00	mg/Kg			12/05/22 19:42	1

Client Sample ID: SW15

Lab Sample ID: 880-22168-13
Matrix: Solid
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17
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		12/02/22 10:18	12/05/22 20:55	1
Toluene	<0.00202	U	0.00202	mg/Kg		12/02/22 10:18	12/05/22 20:55	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		12/02/22 10:18	12/05/22 20:55	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		12/02/22 10:18	12/05/22 20:55	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		12/02/22 10:18	12/05/22 20:55	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		12/02/22 10:18	12/05/22 20:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*12/02/22 10:18*	*12/05/22 20:55*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*12/02/22 10:18*	*12/05/22 20:55*	*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			12/06/22 10:52	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			12/05/22 12:38	1

Eurofins Midland

Client Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22168-1
SDG: Lea County NM

Client Sample ID: SW15

Lab Sample ID: 880-22168-13
Matrix: Solid
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17
Sample Depth: 0 - 4'

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		12/02/22 09:04	12/02/22 22:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/02/22 09:04	12/02/22 22:25	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/02/22 09:04	12/02/22 22:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*138*	*S1+*	*70 - 130*	*12/02/22 09:04*	*12/02/22 22:25*	*1*
o-Terphenyl	*148*	*S1+*	*70 - 130*	*12/02/22 09:04*	*12/02/22 22:25*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**52.1**		4.97		mg/Kg			12/05/22 19:50	1

Client Sample ID: SW16

Lab Sample ID: 880-22168-14
Matrix: Solid
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17
Sample Depth: 0 - 4'

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		12/02/22 10:18	12/05/22 21:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/02/22 10:18	12/05/22 21:15	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/02/22 10:18	12/05/22 21:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/02/22 10:18	12/05/22 21:15	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/02/22 10:18	12/05/22 21:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/02/22 10:18	12/05/22 21:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*12/02/22 10:18*	*12/05/22 21:15*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*12/02/22 10:18*	*12/05/22 21:15*	*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			12/06/22 10:52	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			12/05/22 12:38	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		12/02/22 09:04	12/02/22 22:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/02/22 09:04	12/02/22 22:48	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/22 09:04	12/02/22 22:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*142*	*S1+*	*70 - 130*	*12/02/22 09:04*	*12/02/22 22:48*	*1*
o-Terphenyl	*153*	*S1+*	*70 - 130*	*12/02/22 09:04*	*12/02/22 22:48*	*1*

Eurofins Midland

Client Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22168-1
SDG: Lea County NM

Client Sample ID: SW16

Lab Sample ID: 880-22168-14
Matrix: Solid
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17
Sample Depth: 0 - 4'

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.1		4.95		mg/Kg			12/05/22 19:58	1

Client Sample ID: SW17

Lab Sample ID: 880-22168-15
Matrix: Solid
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17
Sample Depth: 0 - 4'

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		12/02/22 10:18	12/05/22 21:36	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/02/22 10:18	12/05/22 21:36	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/02/22 10:18	12/05/22 21:36	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/02/22 10:18	12/05/22 21:36	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/02/22 10:18	12/05/22 21:36	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/02/22 10:18	12/05/22 21:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*12/02/22 10:18*	*12/05/22 21:36*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*12/02/22 10:18*	*12/05/22 21:36*	*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			12/06/22 10:52	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			12/05/22 12:38	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		12/02/22 09:04	12/02/22 23:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/02/22 09:04	12/02/22 23:10	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/22 09:04	12/02/22 23:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*12/02/22 09:04*	*12/02/22 23:10*	*1*
o-Terphenyl	*141*	*S1+*	*70 - 130*	*12/02/22 09:04*	*12/02/22 23:10*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	32.7		4.99		mg/Kg			12/05/22 20:06	1

Client Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22168-1
SDG: Lea County NM

Client Sample ID: SW18

Lab Sample ID: 880-22168-16
Matrix: Solid
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17
Sample Depth: 0 - 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		12/02/22 10:18	12/05/22 21:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/22 10:18	12/05/22 21:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/02/22 10:18	12/05/22 21:56	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/02/22 10:18	12/05/22 21:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/22 10:18	12/05/22 21:56	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/02/22 10:18	12/05/22 21:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*12/02/22 10:18*	*12/05/22 21:56*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*12/02/22 10:18*	*12/05/22 21:56*	*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			12/06/22 10:52	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			12/05/22 12:38	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	<49.9	U	49.9		mg/Kg		12/02/22 09:04	12/02/22 23:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/02/22 09:04	12/02/22 23:33	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/02/22 09:04	12/02/22 23:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*151*	*S1+*	*70 - 130*	*12/02/22 09:04*	*12/02/22 23:33*	*1*
o-Terphenyl	*163*	*S1+*	*70 - 130*	*12/02/22 09:04*	*12/02/22 23:33*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**64.8**	**F1**	5.05		mg/Kg			12/05/22 21:11	1

Client Sample ID: SW19

Lab Sample ID: 880-22168-17
Matrix: Solid
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17
Sample Depth: 0 - 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		12/02/22 10:18	12/05/22 22:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/22 10:18	12/05/22 22:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/02/22 10:18	12/05/22 22:17	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/02/22 10:18	12/05/22 22:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/22 10:18	12/05/22 22:17	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/02/22 10:18	12/05/22 22:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*12/02/22 10:18*	*12/05/22 22:17*	*1*

Eurofins Midland

Client Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22168-1
SDG: Lea County NM

Client Sample ID: SW19

Lab Sample ID: 880-22168-17
Matrix: Solid
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17
Sample Depth: 0 - 4'

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*12/02/22 10:18*	*12/05/22 22:17*	*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			12/06/22 10:52	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			12/05/22 12:38	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		12/02/22 09:04	12/02/22 23:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/02/22 09:04	12/02/22 23:55	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/02/22 09:04	12/02/22 23:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*140*	*S1+*	*70 - 130*	*12/02/22 09:04*	*12/02/22 23:55*	*1*
o-Terphenyl	*152*	*S1+*	*70 - 130*	*12/02/22 09:04*	*12/02/22 23:55*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**279**		4.96	mg/Kg			12/05/22 21:35	1

Client Sample ID: SW20

Lab Sample ID: 880-22168-18
Matrix: Solid
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17
Sample Depth: 0 - 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		12/02/22 10:18	12/05/22 22:37	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/02/22 10:18	12/05/22 22:37	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/02/22 10:18	12/05/22 22:37	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		12/02/22 10:18	12/05/22 22:37	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/02/22 10:18	12/05/22 22:37	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		12/02/22 10:18	12/05/22 22:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*12/02/22 10:18*	*12/05/22 22:37*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*12/02/22 10:18*	*12/05/22 22:37*	*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			12/06/22 10:52	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			12/05/22 12:38	1

Eurofins Midland

Client Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22168-1
SDG: Lea County NM

Client Sample ID: SW20

Lab Sample ID: 880-22168-18
Matrix: Solid
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17
Sample Depth: 0 - 4'

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		12/02/22 09:04	12/03/22 00:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/02/22 09:04	12/03/22 00:18	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/22 09:04	12/03/22 00:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*131*	*S1+*	*70 - 130*	*12/02/22 09:04*	*12/03/22 00:18*	*1*
o-Terphenyl	*143*	*S1+*	*70 - 130*	*12/02/22 09:04*	*12/03/22 00:18*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2090**		25.0		mg/Kg			12/05/22 21:43	5

Client Sample ID: SW21

Lab Sample ID: 880-22168-19
Matrix: Solid
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17
Sample Depth: 0 - 4'

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		12/02/22 10:18	12/05/22 22:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/02/22 10:18	12/05/22 22:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/02/22 10:18	12/05/22 22:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/02/22 10:18	12/05/22 22:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/02/22 10:18	12/05/22 22:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/02/22 10:18	12/05/22 22:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*12/02/22 10:18*	*12/05/22 22:58*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*12/02/22 10:18*	*12/05/22 22:58*	*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			12/06/22 10:52	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			12/05/22 12:38	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		12/02/22 09:04	12/03/22 00:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/02/22 09:04	12/03/22 00:41	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/22 09:04	12/03/22 00:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*129*		*70 - 130*	*12/02/22 09:04*	*12/03/22 00:41*	*1*
o-Terphenyl	*139*	*S1+*	*70 - 130*	*12/02/22 09:04*	*12/03/22 00:41*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22168-1
SDG: Lea County NM

Client Sample ID: SW21

Lab Sample ID: 880-22168-19
Matrix: Solid
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17
Sample Depth: 0 - 4'

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	155		5.03		mg/Kg			12/05/22 21:51	1

Client Sample ID: SW22

Lab Sample ID: 880-22168-20
Matrix: Solid
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17
Sample Depth: 0 - 4'

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		12/02/22 10:18	12/05/22 23:18	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/02/22 10:18	12/05/22 23:18	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/02/22 10:18	12/05/22 23:18	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/02/22 10:18	12/05/22 23:18	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/02/22 10:18	12/05/22 23:18	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/02/22 10:18	12/05/22 23:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*12/02/22 10:18*	*12/05/22 23:18*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*12/02/22 10:18*	*12/05/22 23:18*	*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			12/06/22 10:52	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			12/05/22 12:38	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	<49.9	U	49.9		mg/Kg		12/02/22 09:04	12/03/22 01:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/02/22 09:04	12/03/22 01:05	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/02/22 09:04	12/03/22 01:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*12/02/22 09:04*	*12/03/22 01:05*	*1*
o-Terphenyl	*115*		*70 - 130*	*12/02/22 09:04*	*12/03/22 01:05*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	128		4.97		mg/Kg			12/05/22 22:00	1

Client Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22168-1
SDG: Lea County NM

Client Sample ID: SW04

Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17
Sample Depth: 0 - 4'

Lab Sample ID: 880-22168-21

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		12/02/22 10:13	12/03/22 05:41	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/02/22 10:13	12/03/22 05:41	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/02/22 10:13	12/03/22 05:41	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/02/22 10:13	12/03/22 05:41	1
o-Xylene	<0.00202	U *-	0.00202		mg/Kg		12/02/22 10:13	12/03/22 05:41	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/02/22 10:13	12/03/22 05:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*12/02/22 10:13*	*12/03/22 05:41*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*12/02/22 10:13*	*12/03/22 05:41*	*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			12/05/22 14:19	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			12/05/22 12:48	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/03/22 11:09	12/03/22 20:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/03/22 11:09	12/03/22 20:36	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/03/22 11:09	12/03/22 20:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*131*	*S1+*	*70 - 130*	*12/03/22 11:09*	*12/03/22 20:36*	*1*
o-Terphenyl	*146*	*S1+*	*70 - 130*	*12/03/22 11:09*	*12/03/22 20:36*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**102**		4.96		mg/Kg			12/05/22 22:24	1

Surrogate Summary

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22168-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-22160-A-1-A MS	Matrix Spike	95	111
880-22160-A-1-B MSD	Matrix Spike Duplicate	55 S1-	103
880-22168-1	SW02	105	82
880-22168-1 MS	SW02	98	113
880-22168-1 MSD	SW02	104	109
880-22168-2	SW03	108	103
880-22168-3	SW05	120	97
880-22168-4	SW06	105	91
880-22168-5	SW07	102	85
880-22168-6	SW08	103	96
880-22168-7	SW09	102	94
880-22168-8	SW10	103	91
880-22168-9 - DL	SW11	92	86
880-22168-10	SW12	98	101
880-22168-11	SW13	100	102
880-22168-12	SW14	125	93
880-22168-13	SW15	117	93
880-22168-14	SW16	99	88
880-22168-15	SW17	102	94
880-22168-16	SW18	113	85
880-22168-17	SW19	111	94
880-22168-18	SW20	106	104
880-22168-19	SW21	105	102
880-22168-20	SW22	103	102
880-22168-21	SW04	98	107
LCS 880-40872/1-A	Lab Control Sample	77	104
LCS 880-40873/1-A	Lab Control Sample	106	94
LCS 880-40902/1-A	Lab Control Sample	114	93
LCSD 880-40872/2-A	Lab Control Sample Dup	87	107
LCSD 880-40873/2-A	Lab Control Sample Dup	109	109
LCSD 880-40902/2-A	Lab Control Sample Dup	130	93
MB 880-40770/5-A	Method Blank	69 S1-	106
MB 880-40872/5-A	Method Blank	69 S1-	106
MB 880-40873/5-A	Method Blank	90	99
MB 880-40902/5-A	Method Blank	93	96

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)
880-22168-1	SW02	135 S1+	151 S1+
880-22168-1 MS	SW02	116	115
880-22168-1 MSD	SW02	106	100
880-22168-2	SW03	142 S1+	151 S1+

Surrogate Summary

Client: Ensolum Job ID: 880-22168-1
Project/Site: Leamex 8 Battery SDG: Lea County NM

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)								
880-22168-3	SW05	125	139 S1+								
880-22168-4	SW06	123	135 S1+								
880-22168-5	SW07	148 S1+	157 S1+								
880-22168-6	SW08	123	132 S1+								
880-22168-7	SW09	131 S1+	137 S1+								
880-22168-8	SW10	131 S1+	137 S1+								
880-22168-9	SW11	134 S1+	141 S1+								
880-22168-10	SW12	123	137 S1+								
880-22168-11	SW13	138 S1+	144 S1+								
880-22168-12	SW14	149 S1+	158 S1+								
880-22168-13	SW15	138 S1+	148 S1+								
880-22168-14	SW16	142 S1+	153 S1+								
880-22168-15	SW17	120	141 S1+								
880-22168-16	SW18	151 S1+	163 S1+								
880-22168-17	SW19	140 S1+	152 S1+								
880-22168-18	SW20	131 S1+	143 S1+								
880-22168-19	SW21	129	139 S1+								
880-22168-20	SW22	103	115								
880-22168-21	SW04	131 S1+	146 S1+								
880-22209-A-6-D MS	Matrix Spike	134 S1+	118								
880-22209-A-6-E MSD	Matrix Spike Duplicate	120	121								
LCS 880-40859/2-A	Lab Control Sample	145 S1+	172 S1+								
LCS 880-40946/2-A	Lab Control Sample	158 S1+	178 S1+								
LCSD 880-40859/3-A	Lab Control Sample Dup	145 S1+	155 S1+								
LCSD 880-40946/3-A	Lab Control Sample Dup	146 S1+	153 S1+								
MB 880-40859/1-A	Method Blank	162 S1+	199 S1+								
MB 880-40946/1-A	Method Blank	193 S1+	218 S1+								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22168-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-40770/5-A
Matrix: Solid
Analysis Batch: 40844

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 40770

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/01/22 11:01	12/02/22 12:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/01/22 11:01	12/02/22 12:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/01/22 11:01	12/02/22 12:05	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/01/22 11:01	12/02/22 12:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/01/22 11:01	12/02/22 12:05	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/01/22 11:01	12/02/22 12:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*69*	*S1-*	*70 - 130*	*12/01/22 11:01*	*12/02/22 12:05*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*12/01/22 11:01*	*12/02/22 12:05*	*1*

Lab Sample ID: MB 880-40872/5-A
Matrix: Solid
Analysis Batch: 40844

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 40872

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/02/22 10:13	12/02/22 23:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/22 10:13	12/02/22 23:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/02/22 10:13	12/02/22 23:56	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/02/22 10:13	12/02/22 23:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/22 10:13	12/02/22 23:56	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/02/22 10:13	12/02/22 23:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*69*	*S1-*	*70 - 130*	*12/02/22 10:13*	*12/02/22 23:56*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*12/02/22 10:13*	*12/02/22 23:56*	*1*

Lab Sample ID: LCS 880-40872/1-A
Matrix: Solid
Analysis Batch: 40844

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 40872

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08370		mg/Kg		84	70 - 130		
Toluene			0.100	0.08453		mg/Kg		85	70 - 130		
Ethylbenzene			0.100	0.07825		mg/Kg		78	70 - 130		
m-Xylene & p-Xylene			0.200	0.1395		mg/Kg		70	70 - 130		
o-Xylene			0.100	0.06927	*-	mg/Kg		69	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*77*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: LCSD 880-40872/2-A
Matrix: Solid
Analysis Batch: 40844

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 40872

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08192		mg/Kg		82	70 - 130	2	35

QC Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22168-1
SDG: Lea County NM

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

Lab Sample ID: LCSD 880-40872/2-A
Matrix: Solid
Analysis Batch: 40844

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 40872

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.09613		mg/Kg		96	70 - 130	13	35
Ethylbenzene			0.100	0.09010		mg/Kg		90	70 - 130	14	35
m-Xylene & p-Xylene			0.200	0.1608		mg/Kg		80	70 - 130	14	35
o-Xylene			0.100	0.07918		mg/Kg		79	70 - 130	13	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: MB 880-40873/5-A
Matrix: Solid
Analysis Batch: 41033

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 40873

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/02/22 10:18	12/05/22 15:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/22 10:18	12/05/22 15:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/02/22 10:18	12/05/22 15:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/02/22 10:18	12/05/22 15:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/22 10:18	12/05/22 15:26	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/02/22 10:18	12/05/22 15:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*12/02/22 10:18*	*12/05/22 15:26*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*12/02/22 10:18*	*12/05/22 15:26*	*1*

Lab Sample ID: LCS 880-40873/1-A
Matrix: Solid
Analysis Batch: 41033

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 40873

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene			0.100	0.1013		mg/Kg		101	70 - 130
Toluene			0.100	0.1000		mg/Kg		100	70 - 130
Ethylbenzene			0.100	0.1008		mg/Kg		101	70 - 130
m-Xylene & p-Xylene			0.200	0.2103		mg/Kg		105	70 - 130
o-Xylene			0.100	0.1033		mg/Kg		103	70 - 130

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

Lab Sample ID: LCSD 880-40873/2-A
Matrix: Solid
Analysis Batch: 41033

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 40873

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1096		mg/Kg		110	70 - 130	8	35
Toluene			0.100	0.1016		mg/Kg		102	70 - 130	2	35
Ethylbenzene			0.100	0.1026		mg/Kg		103	70 - 130	2	35

QC Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22168-1
SDG: Lea County NM

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

Lab Sample ID: LCSD 880-40873/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 41033 — **Prep Batch: 40873**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene			0.200	0.2192		mg/Kg		110	70 - 130	4	35
o-Xylene			0.100	0.1079		mg/Kg		108	70 - 130	4	35

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

Lab Sample ID: 880-22168-1 MS — **Client Sample ID: SW02**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 41033 — **Prep Batch: 40873**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.0996	0.1004		mg/Kg		101	70 - 130
Toluene	<0.00201	U	0.0996	0.08773		mg/Kg		88	70 - 130
Ethylbenzene	<0.00201	U	0.0996	0.08389		mg/Kg		84	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.199	0.1727		mg/Kg		87	70 - 130
o-Xylene	<0.00201	U	0.0996	0.08594		mg/Kg		86	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*

Lab Sample ID: 880-22168-1 MSD — **Client Sample ID: SW02**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 41033 — **Prep Batch: 40873**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.08326		mg/Kg		83	70 - 130	19	35
Toluene	<0.00201	U	0.100	0.07573		mg/Kg		76	70 - 130	15	35
Ethylbenzene	<0.00201	U	0.100	0.07395		mg/Kg		74	70 - 130	13	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1542		mg/Kg		77	70 - 130	11	35
o-Xylene	<0.00201	U	0.100	0.07739		mg/Kg		77	70 - 130	10	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*

Lab Sample ID: MB 880-40902/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 41033 — **Prep Batch: 40902**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/02/22 13:13	12/06/22 02:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/22 13:13	12/06/22 02:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/02/22 13:13	12/06/22 02:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/02/22 13:13	12/06/22 02:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/22 13:13	12/06/22 02:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/02/22 13:13	12/06/22 02:00	1

QC Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22168-1
SDG: Lea County NM

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*12/02/22 13:13*	*12/06/22 02:00*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*12/02/22 13:13*	*12/06/22 02:00*	*1*

Lab Sample ID: LCS 880-40902/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 41033 — **Prep Batch: 40902**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09743		mg/Kg		97	70 - 130
Toluene	0.100	0.09740		mg/Kg		97	70 - 130
Ethylbenzene	0.100	0.1016		mg/Kg		102	70 - 130
m-Xylene & p-Xylene	0.200	0.2132		mg/Kg		107	70 - 130
o-Xylene	0.100	0.1065		mg/Kg		107	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: LCSD 880-40902/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 41033 — **Prep Batch: 40902**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1011		mg/Kg		101	70 - 130	4	35
Toluene	0.100	0.1041		mg/Kg		104	70 - 130	7	35
Ethylbenzene	0.100	0.1146		mg/Kg		115	70 - 130	12	35
m-Xylene & p-Xylene	0.200	0.2468		mg/Kg		123	70 - 130	15	35
o-Xylene	0.100	0.1236		mg/Kg		124	70 - 130	15	35

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

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

Lab Sample ID: MB 880-40859/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 40861 — **Prep Batch: 40859**

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		12/02/22 09:04	12/02/22 13:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/02/22 09:04	12/02/22 13:02	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/02/22 09:04	12/02/22 13:02	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*162*	*S1+*	*70 - 130*	*12/02/22 09:04*	*12/02/22 13:02*	*1*
o-Terphenyl	*199*	*S1+*	*70 - 130*	*12/02/22 09:04*	*12/02/22 13:02*	*1*

QC Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22168-1
SDG: Lea County NM

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

Lab Sample ID: LCS 880-40859/2-A
Matrix: Solid
Analysis Batch: 40861

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 40859

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	872.9		mg/Kg		87	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1226		mg/Kg		123	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*145*	*S1+*	*70 - 130*
o-Terphenyl	*172*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-40859/3-A
Matrix: Solid
Analysis Batch: 40861

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 40859

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	859.1		mg/Kg		86	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	1092		mg/Kg		109	70 - 130	12	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*145*	*S1+*	*70 - 130*
o-Terphenyl	*155*	*S1+*	*70 - 130*

Lab Sample ID: 880-22168-1 MS
Matrix: Solid
Analysis Batch: 40861

Client Sample ID: SW02
Prep Type: Total/NA
Prep Batch: 40859

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2	999	1186		mg/Kg		115	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	999	1085		mg/Kg		109	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*116*		*70 - 130*
o-Terphenyl	*115*		*70 - 130*

Lab Sample ID: 880-22168-1 MSD
Matrix: Solid
Analysis Batch: 40861

Client Sample ID: SW02
Prep Type: Total/NA
Prep Batch: 40859

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	<50.0	U F2	997	920.1	F2	mg/Kg		89	70 - 130	25	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	930.2		mg/Kg		93	70 - 130	15	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*106*		*70 - 130*

QC Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22168-1
SDG: Lea County NM

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

Lab Sample ID: 880-22168-1 MSD
Matrix: Solid
Analysis Batch: 40861

Client Sample ID: SW02
Prep Type: Total/NA
Prep Batch: 40859

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

Lab Sample ID: MB 880-40946/1-A
Matrix: Solid
Analysis Batch: 40965

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 40946

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		12/03/22 11:09	12/03/22 16:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/03/22 11:09	12/03/22 16:48	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/03/22 11:09	12/03/22 16:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	193	S1+	70 - 130	12/03/22 11:09	12/03/22 16:48	1
o-Terphenyl	218	S1+	70 - 130	12/03/22 11:09	12/03/22 16:48	1

Lab Sample ID: LCS 880-40946/2-A
Matrix: Solid
Analysis Batch: 40965

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 40946

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	787.5		mg/Kg		79	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1294		mg/Kg		129	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	158	S1+	70 - 130
o-Terphenyl	178	S1+	70 - 130

Lab Sample ID: LCSD 880-40946/3-A
Matrix: Solid
Analysis Batch: 40965

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 40946

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	765.1		mg/Kg		77	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	1101		mg/Kg		110	70 - 130	16	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	146	S1+	70 - 130
o-Terphenyl	153	S1+	70 - 130

QC Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22168-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-40939/1-A
Matrix: Solid
Analysis Batch: 40963

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			12/05/22 12:11	1

Lab Sample ID: LCS 880-40939/2-A
Matrix: Solid
Analysis Batch: 40963

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	260.1		mg/Kg		104	90 - 110		

Lab Sample ID: LCSD 880-40939/3-A
Matrix: Solid
Analysis Batch: 40963

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	258.3		mg/Kg		103	90 - 110	1	20

Lab Sample ID: 880-22168-7 MS
Matrix: Solid
Analysis Batch: 40963

Client Sample ID: SW09
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	14.1	F1	249	287.3		mg/Kg		110	90 - 110		

Lab Sample ID: 880-22168-7 MSD
Matrix: Solid
Analysis Batch: 40963

Client Sample ID: SW09
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	14.1	F1	249	292.2	F1	mg/Kg		112	90 - 110	2	20

Lab Sample ID: MB 880-40944/1-A
Matrix: Solid
Analysis Batch: 40964

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			12/05/22 20:47	1

Lab Sample ID: LCS 880-40944/2-A
Matrix: Solid
Analysis Batch: 40964

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	245.2		mg/Kg		98	90 - 110		

Lab Sample ID: LCSD 880-40944/3-A
Matrix: Solid
Analysis Batch: 40964

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	248.6		mg/Kg		99	90 - 110	1	20

QC Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22168-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-22168-16 MS
Matrix: Solid
Analysis Batch: 40964

Client Sample ID: SW18
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	64.8	F1	253	353.3	F1	mg/Kg		114	90 - 110		

Lab Sample ID: 880-22168-16 MSD
Matrix: Solid
Analysis Batch: 40964

Client Sample ID: SW18
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	64.8	F1	253	353.9	F1	mg/Kg		114	90 - 110	0	20

QC Association Summary

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22168-1
SDG: Lea County NM

GC VOA

Prep Batch: 40770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-40770/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 40844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22168-21	SW04	Total/NA	Solid	8021B	40872
MB 880-40770/5-A	Method Blank	Total/NA	Solid	8021B	40770
MB 880-40872/5-A	Method Blank	Total/NA	Solid	8021B	40872
LCS 880-40872/1-A	Lab Control Sample	Total/NA	Solid	8021B	40872
LCSD 880-40872/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	40872

Prep Batch: 40872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22168-21	SW04	Total/NA	Solid	5035	
MB 880-40872/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-40872/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-40872/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 40873

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22168-1	SW02	Total/NA	Solid	5035	
880-22168-2	SW03	Total/NA	Solid	5035	
880-22168-3	SW05	Total/NA	Solid	5035	
880-22168-10	SW12	Total/NA	Solid	5035	
880-22168-11	SW13	Total/NA	Solid	5035	
880-22168-12	SW14	Total/NA	Solid	5035	
880-22168-13	SW15	Total/NA	Solid	5035	
880-22168-14	SW16	Total/NA	Solid	5035	
880-22168-15	SW17	Total/NA	Solid	5035	
880-22168-16	SW18	Total/NA	Solid	5035	
880-22168-17	SW19	Total/NA	Solid	5035	
880-22168-18	SW20	Total/NA	Solid	5035	
880-22168-19	SW21	Total/NA	Solid	5035	
880-22168-20	SW22	Total/NA	Solid	5035	
MB 880-40873/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-40873/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-40873/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-22168-1 MS	SW02	Total/NA	Solid	5035	
880-22168-1 MSD	SW02	Total/NA	Solid	5035	

Prep Batch: 40902

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22168-4	SW06	Total/NA	Solid	5035	
880-22168-5	SW07	Total/NA	Solid	5035	
880-22168-6	SW08	Total/NA	Solid	5035	
880-22168-7	SW09	Total/NA	Solid	5035	
880-22168-8	SW10	Total/NA	Solid	5035	
880-22168-9 - DL	SW11	Total/NA	Solid	5035	
MB 880-40902/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-40902/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-40902/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

QC Association Summary

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22168-1
SDG: Lea County NM

GC VOA

Analysis Batch: 41033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22168-1	SW02	Total/NA	Solid	8021B	40873
880-22168-2	SW03	Total/NA	Solid	8021B	40873
880-22168-3	SW05	Total/NA	Solid	8021B	40873
880-22168-4	SW06	Total/NA	Solid	8021B	40902
880-22168-5	SW07	Total/NA	Solid	8021B	40902
880-22168-6	SW08	Total/NA	Solid	8021B	40902
880-22168-7	SW09	Total/NA	Solid	8021B	40902
880-22168-8	SW10	Total/NA	Solid	8021B	40902
880-22168-9 - DL	SW11	Total/NA	Solid	8021B	40902
880-22168-10	SW12	Total/NA	Solid	8021B	40873
880-22168-11	SW13	Total/NA	Solid	8021B	40873
880-22168-12	SW14	Total/NA	Solid	8021B	40873
880-22168-13	SW15	Total/NA	Solid	8021B	40873
880-22168-14	SW16	Total/NA	Solid	8021B	40873
880-22168-15	SW17	Total/NA	Solid	8021B	40873
880-22168-16	SW18	Total/NA	Solid	8021B	40873
880-22168-17	SW19	Total/NA	Solid	8021B	40873
880-22168-18	SW20	Total/NA	Solid	8021B	40873
880-22168-19	SW21	Total/NA	Solid	8021B	40873
880-22168-20	SW22	Total/NA	Solid	8021B	40873
MB 880-40873/5-A	Method Blank	Total/NA	Solid	8021B	40873
MB 880-40902/5-A	Method Blank	Total/NA	Solid	8021B	40902
LCS 880-40873/1-A	Lab Control Sample	Total/NA	Solid	8021B	40873
LCS 880-40902/1-A	Lab Control Sample	Total/NA	Solid	8021B	40902
LCSD 880-40873/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	40873
LCSD 880-40902/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	40902
880-22168-1 MS	SW02	Total/NA	Solid	8021B	40873
880-22168-1 MSD	SW02	Total/NA	Solid	8021B	40873

Analysis Batch: 41065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22168-1	SW02	Total/NA	Solid	Total BTEX	
880-22168-2	SW03	Total/NA	Solid	Total BTEX	
880-22168-3	SW05	Total/NA	Solid	Total BTEX	
880-22168-4	SW06	Total/NA	Solid	Total BTEX	
880-22168-5	SW07	Total/NA	Solid	Total BTEX	
880-22168-6	SW08	Total/NA	Solid	Total BTEX	
880-22168-7	SW09	Total/NA	Solid	Total BTEX	
880-22168-8	SW10	Total/NA	Solid	Total BTEX	
880-22168-9	SW11	Total/NA	Solid	Total BTEX	
880-22168-10	SW12	Total/NA	Solid	Total BTEX	
880-22168-11	SW13	Total/NA	Solid	Total BTEX	
880-22168-12	SW14	Total/NA	Solid	Total BTEX	
880-22168-13	SW15	Total/NA	Solid	Total BTEX	
880-22168-14	SW16	Total/NA	Solid	Total BTEX	
880-22168-15	SW17	Total/NA	Solid	Total BTEX	
880-22168-16	SW18	Total/NA	Solid	Total BTEX	
880-22168-17	SW19	Total/NA	Solid	Total BTEX	
880-22168-18	SW20	Total/NA	Solid	Total BTEX	
880-22168-19	SW21	Total/NA	Solid	Total BTEX	
880-22168-20	SW22	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22168-1
SDG: Lea County NM

GC VOA (Continued)

Analysis Batch: 41065 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22168-21	SW04	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 40859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22168-1	SW02	Total/NA	Solid	8015NM Prep	
880-22168-2	SW03	Total/NA	Solid	8015NM Prep	
880-22168-3	SW05	Total/NA	Solid	8015NM Prep	
880-22168-4	SW06	Total/NA	Solid	8015NM Prep	
880-22168-5	SW07	Total/NA	Solid	8015NM Prep	
880-22168-6	SW08	Total/NA	Solid	8015NM Prep	
880-22168-7	SW09	Total/NA	Solid	8015NM Prep	
880-22168-8	SW10	Total/NA	Solid	8015NM Prep	
880-22168-9	SW11	Total/NA	Solid	8015NM Prep	
880-22168-10	SW12	Total/NA	Solid	8015NM Prep	
880-22168-11	SW13	Total/NA	Solid	8015NM Prep	
880-22168-12	SW14	Total/NA	Solid	8015NM Prep	
880-22168-13	SW15	Total/NA	Solid	8015NM Prep	
880-22168-14	SW16	Total/NA	Solid	8015NM Prep	
880-22168-15	SW17	Total/NA	Solid	8015NM Prep	
880-22168-16	SW18	Total/NA	Solid	8015NM Prep	
880-22168-17	SW19	Total/NA	Solid	8015NM Prep	
880-22168-18	SW20	Total/NA	Solid	8015NM Prep	
880-22168-19	SW21	Total/NA	Solid	8015NM Prep	
880-22168-20	SW22	Total/NA	Solid	8015NM Prep	
MB 880-40859/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-40859/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-40859/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-22168-1 MS	SW02	Total/NA	Solid	8015NM Prep	
880-22168-1 MSD	SW02	Total/NA	Solid	8015NM Prep	

Analysis Batch: 40861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22168-1	SW02	Total/NA	Solid	8015B NM	40859
880-22168-2	SW03	Total/NA	Solid	8015B NM	40859
880-22168-3	SW05	Total/NA	Solid	8015B NM	40859
880-22168-4	SW06	Total/NA	Solid	8015B NM	40859
880-22168-5	SW07	Total/NA	Solid	8015B NM	40859
880-22168-6	SW08	Total/NA	Solid	8015B NM	40859
880-22168-7	SW09	Total/NA	Solid	8015B NM	40859
880-22168-8	SW10	Total/NA	Solid	8015B NM	40859
880-22168-9	SW11	Total/NA	Solid	8015B NM	40859
880-22168-10	SW12	Total/NA	Solid	8015B NM	40859
880-22168-11	SW13	Total/NA	Solid	8015B NM	40859
880-22168-12	SW14	Total/NA	Solid	8015B NM	40859
880-22168-13	SW15	Total/NA	Solid	8015B NM	40859
880-22168-14	SW16	Total/NA	Solid	8015B NM	40859
880-22168-15	SW17	Total/NA	Solid	8015B NM	40859
880-22168-16	SW18	Total/NA	Solid	8015B NM	40859
880-22168-17	SW19	Total/NA	Solid	8015B NM	40859

QC Association Summary

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22168-1
SDG: Lea County NM

GC Semi VOA (Continued)

Analysis Batch: 40861 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22168-18	SW20	Total/NA	Solid	8015B NM	40859
880-22168-19	SW21	Total/NA	Solid	8015B NM	40859
880-22168-20	SW22	Total/NA	Solid	8015B NM	40859
MB 880-40859/1-A	Method Blank	Total/NA	Solid	8015B NM	40859
LCS 880-40859/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	40859
LCSD 880-40859/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	40859
880-22168-1 MS	SW02	Total/NA	Solid	8015B NM	40859
880-22168-1 MSD	SW02	Total/NA	Solid	8015B NM	40859

Prep Batch: 40946

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22168-21	SW04	Total/NA	Solid	8015NM Prep	
MB 880-40946/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-40946/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-40946/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 40965

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22168-21	SW04	Total/NA	Solid	8015B NM	40946
MB 880-40946/1-A	Method Blank	Total/NA	Solid	8015B NM	40946
LCS 880-40946/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	40946
LCSD 880-40946/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	40946

Analysis Batch: 41032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22168-1	SW02	Total/NA	Solid	8015 NM	
880-22168-2	SW03	Total/NA	Solid	8015 NM	
880-22168-3	SW05	Total/NA	Solid	8015 NM	
880-22168-4	SW06	Total/NA	Solid	8015 NM	
880-22168-5	SW07	Total/NA	Solid	8015 NM	
880-22168-6	SW08	Total/NA	Solid	8015 NM	
880-22168-7	SW09	Total/NA	Solid	8015 NM	
880-22168-8	SW10	Total/NA	Solid	8015 NM	
880-22168-9	SW11	Total/NA	Solid	8015 NM	
880-22168-10	SW12	Total/NA	Solid	8015 NM	
880-22168-11	SW13	Total/NA	Solid	8015 NM	
880-22168-12	SW14	Total/NA	Solid	8015 NM	
880-22168-13	SW15	Total/NA	Solid	8015 NM	
880-22168-14	SW16	Total/NA	Solid	8015 NM	
880-22168-15	SW17	Total/NA	Solid	8015 NM	
880-22168-16	SW18	Total/NA	Solid	8015 NM	
880-22168-17	SW19	Total/NA	Solid	8015 NM	
880-22168-18	SW20	Total/NA	Solid	8015 NM	
880-22168-19	SW21	Total/NA	Solid	8015 NM	
880-22168-20	SW22	Total/NA	Solid	8015 NM	
880-22168-21	SW04	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22168-1
SDG: Lea County NM

HPLC/IC

Leach Batch: 40939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22168-1	SW02	Soluble	Solid	DI Leach	
880-22168-2	SW03	Soluble	Solid	DI Leach	
880-22168-3	SW05	Soluble	Solid	DI Leach	
880-22168-4	SW06	Soluble	Solid	DI Leach	
880-22168-5	SW07	Soluble	Solid	DI Leach	
880-22168-6	SW08	Soluble	Solid	DI Leach	
880-22168-7	SW09	Soluble	Solid	DI Leach	
880-22168-8	SW10	Soluble	Solid	DI Leach	
880-22168-9	SW11	Soluble	Solid	DI Leach	
880-22168-10	SW12	Soluble	Solid	DI Leach	
880-22168-11	SW13	Soluble	Solid	DI Leach	
880-22168-12	SW14	Soluble	Solid	DI Leach	
880-22168-13	SW15	Soluble	Solid	DI Leach	
880-22168-14	SW16	Soluble	Solid	DI Leach	
880-22168-15	SW17	Soluble	Solid	DI Leach	
MB 880-40939/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-40939/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-40939/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-22168-7 MS	SW09	Soluble	Solid	DI Leach	
880-22168-7 MSD	SW09	Soluble	Solid	DI Leach	

Leach Batch: 40944

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22168-16	SW18	Soluble	Solid	DI Leach	
880-22168-17	SW19	Soluble	Solid	DI Leach	
880-22168-18	SW20	Soluble	Solid	DI Leach	
880-22168-19	SW21	Soluble	Solid	DI Leach	
880-22168-20	SW22	Soluble	Solid	DI Leach	
880-22168-21	SW04	Soluble	Solid	DI Leach	
MB 880-40944/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-40944/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-40944/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-22168-16 MS	SW18	Soluble	Solid	DI Leach	
880-22168-16 MSD	SW18	Soluble	Solid	DI Leach	

Analysis Batch: 40963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22168-1	SW02	Soluble	Solid	300.0	40939
880-22168-2	SW03	Soluble	Solid	300.0	40939
880-22168-3	SW05	Soluble	Solid	300.0	40939
880-22168-4	SW06	Soluble	Solid	300.0	40939
880-22168-5	SW07	Soluble	Solid	300.0	40939
880-22168-6	SW08	Soluble	Solid	300.0	40939
880-22168-7	SW09	Soluble	Solid	300.0	40939
880-22168-8	SW10	Soluble	Solid	300.0	40939
880-22168-9	SW11	Soluble	Solid	300.0	40939
880-22168-10	SW12	Soluble	Solid	300.0	40939
880-22168-11	SW13	Soluble	Solid	300.0	40939
880-22168-12	SW14	Soluble	Solid	300.0	40939
880-22168-13	SW15	Soluble	Solid	300.0	40939
880-22168-14	SW16	Soluble	Solid	300.0	40939

QC Association Summary

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22168-1
SDG: Lea County NM

HPLC/IC (Continued)

Analysis Batch: 40963 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22168-15	SW17	Soluble	Solid	300.0	40939
MB 880-40939/1-A	Method Blank	Soluble	Solid	300.0	40939
LCS 880-40939/2-A	Lab Control Sample	Soluble	Solid	300.0	40939
LCSD 880-40939/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	40939
880-22168-7 MS	SW09	Soluble	Solid	300.0	40939
880-22168-7 MSD	SW09	Soluble	Solid	300.0	40939

Analysis Batch: 40964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22168-16	SW18	Soluble	Solid	300.0	40944
880-22168-17	SW19	Soluble	Solid	300.0	40944
880-22168-18	SW20	Soluble	Solid	300.0	40944
880-22168-19	SW21	Soluble	Solid	300.0	40944
880-22168-20	SW22	Soluble	Solid	300.0	40944
880-22168-21	SW04	Soluble	Solid	300.0	40944
MB 880-40944/1-A	Method Blank	Soluble	Solid	300.0	40944
LCS 880-40944/2-A	Lab Control Sample	Soluble	Solid	300.0	40944
LCSD 880-40944/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	40944
880-22168-16 MS	SW18	Soluble	Solid	300.0	40944
880-22168-16 MSD	SW18	Soluble	Solid	300.0	40944

Lab Chronicle

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22168-1
SDG: Lea County NM

Client Sample ID: SW02
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17

Lab Sample ID: 880-22168-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			40873	MNR	EET MID	12/02/22 10:18
Total/NA	Analysis	8021B		1	41033	MNR	EET MID	12/05/22 15:47
Total/NA	Analysis	Total BTEX		1	41065	AJ	EET MID	12/06/22 10:52
Total/NA	Analysis	8015 NM		1	41032	SM	EET MID	12/05/22 12:38
Total/NA	Prep	8015NM Prep			40859	DM	EET MID	12/02/22 09:04
Total/NA	Analysis	8015B NM		1	40861	SM	EET MID	12/02/22 15:44
Soluble	Leach	DI Leach			40939	SMC	EET MID	12/03/22 10:37
Soluble	Analysis	300.0		1	40963	CH	EET MID	12/05/22 17:23

Client Sample ID: SW03
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17

Lab Sample ID: 880-22168-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			40873	MNR	EET MID	12/02/22 10:18
Total/NA	Analysis	8021B		1	41033	MNR	EET MID	12/05/22 16:08
Total/NA	Analysis	Total BTEX		1	41065	AJ	EET MID	12/06/22 10:52
Total/NA	Analysis	8015 NM		1	41032	SM	EET MID	12/05/22 12:38
Total/NA	Prep	8015NM Prep			40859	DM	EET MID	12/02/22 09:04
Total/NA	Analysis	8015B NM		1	40861	SM	EET MID	12/02/22 17:50
Soluble	Leach	DI Leach			40939	SMC	EET MID	12/03/22 10:37
Soluble	Analysis	300.0		1	40963	CH	EET MID	12/05/22 17:48

Client Sample ID: SW05
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17

Lab Sample ID: 880-22168-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			40873	MNR	EET MID	12/02/22 10:18
Total/NA	Analysis	8021B		1	41033	MNR	EET MID	12/05/22 16:28
Total/NA	Analysis	Total BTEX		1	41065	AJ	EET MID	12/06/22 10:52
Total/NA	Analysis	8015 NM		1	41032	SM	EET MID	12/05/22 12:38
Total/NA	Prep	8015NM Prep			40859	DM	EET MID	12/02/22 09:04
Total/NA	Analysis	8015B NM		1	40861	SM	EET MID	12/02/22 18:13
Soluble	Leach	DI Leach			40939	SMC	EET MID	12/03/22 10:37
Soluble	Analysis	300.0		1	40963	CH	EET MID	12/05/22 17:56

Client Sample ID: SW06
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17

Lab Sample ID: 880-22168-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			40902	MNR	EET MID	12/05/22 13:13
Total/NA	Analysis	8021B		1	41033	MNR	EET MID	12/06/22 02:41
Total/NA	Analysis	Total BTEX		1	41065	AJ	EET MID	12/06/22 10:52

Lab Chronicle

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22168-1
SDG: Lea County NM

Client Sample ID: SW06
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17

Lab Sample ID: 880-22168-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015 NM		1	41032	SM	EET MID	12/05/22 12:38
Total/NA	Prep	8015NM Prep			40859	DM	EET MID	12/02/22 09:04
Total/NA	Analysis	8015B NM		1	40861	SM	EET MID	12/02/22 18:36
Soluble	Leach	DI Leach			40939	SMC	EET MID	12/03/22 10:37
Soluble	Analysis	300.0		1	40963	CH	EET MID	12/05/22 18:04

Client Sample ID: SW07
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17

Lab Sample ID: 880-22168-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			40902	MNR	EET MID	12/05/22 13:13
Total/NA	Analysis	8021B		1	41033	MNR	EET MID	12/06/22 03:02
Total/NA	Analysis	Total BTEX		1	41065	AJ	EET MID	12/06/22 10:52
Total/NA	Analysis	8015 NM		1	41032	SM	EET MID	12/05/22 12:38
Total/NA	Prep	8015NM Prep			40859	DM	EET MID	12/02/22 09:04
Total/NA	Analysis	8015B NM		1	40861	SM	EET MID	12/02/22 18:58
Soluble	Leach	DI Leach			40939	SMC	EET MID	12/03/22 10:37
Soluble	Analysis	300.0		1	40963	CH	EET MID	12/05/22 18:12

Client Sample ID: SW08
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17

Lab Sample ID: 880-22168-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			40902	MNR	EET MID	12/05/22 13:13
Total/NA	Analysis	8021B		1	41033	MNR	EET MID	12/06/22 03:22
Total/NA	Analysis	Total BTEX		1	41065	AJ	EET MID	12/06/22 10:52
Total/NA	Analysis	8015 NM		1	41032	SM	EET MID	12/05/22 12:38
Total/NA	Prep	8015NM Prep			40859	DM	EET MID	12/02/22 09:04
Total/NA	Analysis	8015B NM		1	40861	SM	EET MID	12/02/22 19:21
Soluble	Leach	DI Leach			40939	SMC	EET MID	12/03/22 10:37
Soluble	Analysis	300.0		1	40963	CH	EET MID	12/05/22 18:20

Client Sample ID: SW09
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17

Lab Sample ID: 880-22168-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			40902	MNR	EET MID	12/05/22 13:13
Total/NA	Analysis	8021B		1	41033	MNR	EET MID	12/06/22 03:43
Total/NA	Analysis	Total BTEX		1	41065	AJ	EET MID	12/06/22 10:52
Total/NA	Analysis	8015 NM		1	41032	SM	EET MID	12/05/22 12:38
Total/NA	Prep	8015NM Prep			40859	DM	EET MID	12/02/22 09:04
Total/NA	Analysis	8015B NM		1	40861	SM	EET MID	12/02/22 19:44

Lab Chronicle

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22168-1
SDG: Lea County NM

Client Sample ID: SW09

Lab Sample ID: 880-22168-7
Matrix: Solid
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			40939	SMC	EET MID	12/03/22 10:37
Soluble	Analysis	300.0		1	40963	CH	EET MID	12/05/22 18:28

Client Sample ID: SW10

Lab Sample ID: 880-22168-8
Matrix: Solid
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			40902	MNR	EET MID	12/03/22 13:13
Total/NA	Analysis	8021B		1	41033	MNR	EET MID	12/06/22 05:04
Total/NA	Analysis	Total BTEX		1	41065	AJ	EET MID	12/06/22 10:52
Total/NA	Analysis	8015 NM		1	41032	SM	EET MID	12/05/22 12:38
Total/NA	Prep	8015NM Prep			40859	DM	EET MID	12/02/22 09:04
Total/NA	Analysis	8015B NM		1	40861	SM	EET MID	12/02/22 20:08
Soluble	Leach	DI Leach			40939	SMC	EET MID	12/03/22 10:37
Soluble	Analysis	300.0		1	40963	CH	EET MID	12/05/22 18:53

Client Sample ID: SW11

Lab Sample ID: 880-22168-9
Matrix: Solid
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035	DL		40902	MNR	EET MID	12/05/22 13:13
Total/NA	Analysis	8021B	DL	1	41033	MNR	EET MID	12/06/22 05:25
Total/NA	Analysis	Total BTEX		1	41065	AJ	EET MID	12/06/22 10:52
Total/NA	Analysis	8015 NM		1	41032	SM	EET MID	12/05/22 12:38
Total/NA	Prep	8015NM Prep			40859	DM	EET MID	12/02/22 09:04
Total/NA	Analysis	8015B NM		1	40861	SM	EET MID	12/02/22 20:31
Soluble	Leach	DI Leach			40939	SMC	EET MID	12/03/22 10:37
Soluble	Analysis	300.0		1	40963	CH	EET MID	12/05/22 19:01

Client Sample ID: SW12

Lab Sample ID: 880-22168-10
Matrix: Solid
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			40873	MNR	EET MID	12/02/22 10:18
Total/NA	Analysis	8021B		1	41033	MNR	EET MID	12/05/22 18:52
Total/NA	Analysis	Total BTEX		1	41065	AJ	EET MID	12/06/22 10:52
Total/NA	Analysis	8015 NM		1	41032	SM	EET MID	12/05/22 12:38
Total/NA	Prep	8015NM Prep			40859	DM	EET MID	12/02/22 09:04
Total/NA	Analysis	8015B NM		1	40861	SM	EET MID	12/02/22 20:54
Soluble	Leach	DI Leach			40939	SMC	EET MID	12/03/22 10:37
Soluble	Analysis	300.0		1	40963	CH	EET MID	12/05/22 19:25

Lab Chronicle

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22168-1
SDG: Lea County NM

Client Sample ID: SW13

Lab Sample ID: 880-22168-11
Matrix: Solid
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			40873	MNR	EET MID	12/02/22 10:18
Total/NA	Analysis	8021B		1	41033	MNR	EET MID	12/05/22 20:14
Total/NA	Analysis	Total BTEX		1	41065	AJ	EET MID	12/06/22 10:52
Total/NA	Analysis	8015 NM		1	41032	SM	EET MID	12/05/22 12:38
Total/NA	Prep	8015NM Prep			40859	DM	EET MID	12/02/22 09:04
Total/NA	Analysis	8015B NM		1	40861	SM	EET MID	12/02/22 21:41
Soluble	Leach	DI Leach			40939	SMC	EET MID	12/03/22 10:37
Soluble	Analysis	300.0		1	40963	CH	EET MID	12/05/22 19:33

Client Sample ID: SW14

Lab Sample ID: 880-22168-12
Matrix: Solid
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			40873	MNR	EET MID	12/02/22 10:18
Total/NA	Analysis	8021B		1	41033	MNR	EET MID	12/05/22 20:34
Total/NA	Analysis	Total BTEX		1	41065	AJ	EET MID	12/06/22 10:52
Total/NA	Analysis	8015 NM		1	41032	SM	EET MID	12/05/22 12:38
Total/NA	Prep	8015NM Prep			40859	DM	EET MID	12/02/22 09:04
Total/NA	Analysis	8015B NM		1	40861	SM	EET MID	12/02/22 22:03
Soluble	Leach	DI Leach			40939	SMC	EET MID	12/03/22 10:37
Soluble	Analysis	300.0		1	40963	CH	EET MID	12/05/22 19:42

Client Sample ID: SW15

Lab Sample ID: 880-22168-13
Matrix: Solid
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			40873	MNR	EET MID	12/02/22 10:18
Total/NA	Analysis	8021B		1	41033	MNR	EET MID	12/05/22 20:55
Total/NA	Analysis	Total BTEX		1	41065	AJ	EET MID	12/06/22 10:52
Total/NA	Analysis	8015 NM		1	41032	SM	EET MID	12/05/22 12:38
Total/NA	Prep	8015NM Prep			40859	DM	EET MID	12/02/22 09:04
Total/NA	Analysis	8015B NM		1	40861	SM	EET MID	12/02/22 22:25
Soluble	Leach	DI Leach			40939	SMC	EET MID	12/03/22 10:37
Soluble	Analysis	300.0		1	40963	CH	EET MID	12/05/22 19:50

Client Sample ID: SW16

Lab Sample ID: 880-22168-14
Matrix: Solid
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			40873	MNR	EET MID	12/02/22 10:18
Total/NA	Analysis	8021B		1	41033	MNR	EET MID	12/05/22 21:15
Total/NA	Analysis	Total BTEX		1	41065	AJ	EET MID	12/06/22 10:52

Lab Chronicle

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22168-1
SDG: Lea County NM

Client Sample ID: SW16

Lab Sample ID: 880-22168-14
Matrix: Solid
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015 NM		1	41032	SM	EET MID	12/05/22 12:38
Total/NA	Prep	8015NM Prep			40859	DM	EET MID	12/02/22 09:04
Total/NA	Analysis	8015B NM		1	40861	SM	EET MID	12/02/22 22:48
Soluble	Leach	DI Leach			40939	SMC	EET MID	12/03/22 10:37
Soluble	Analysis	300.0		1	40963	CH	EET MID	12/05/22 19:58

Client Sample ID: SW17

Lab Sample ID: 880-22168-15
Matrix: Solid
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			40873	MNR	EET MID	12/02/22 10:18
Total/NA	Analysis	8021B		1	41033	MNR	EET MID	12/05/22 21:36
Total/NA	Analysis	Total BTEX		1	41065	AJ	EET MID	12/06/22 10:52
Total/NA	Analysis	8015 NM		1	41032	SM	EET MID	12/05/22 12:38
Total/NA	Prep	8015NM Prep			40859	DM	EET MID	12/02/22 09:04
Total/NA	Analysis	8015B NM		1	40861	SM	EET MID	12/02/22 23:10
Soluble	Leach	DI Leach			40939	SMC	EET MID	12/03/22 10:37
Soluble	Analysis	300.0		1	40963	CH	EET MID	12/05/22 20:06

Client Sample ID: SW18

Lab Sample ID: 880-22168-16
Matrix: Solid
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			40873	MNR	EET MID	12/02/22 10:18
Total/NA	Analysis	8021B		1	41033	MNR	EET MID	12/05/22 21:56
Total/NA	Analysis	Total BTEX		1	41065	AJ	EET MID	12/06/22 10:52
Total/NA	Analysis	8015 NM		1	41032	SM	EET MID	12/05/22 12:38
Total/NA	Prep	8015NM Prep			40859	DM	EET MID	12/02/22 09:04
Total/NA	Analysis	8015B NM		1	40861	SM	EET MID	12/02/22 23:33
Soluble	Leach	DI Leach			40944	SMC	EET MID	12/03/22 10:55
Soluble	Analysis	300.0		1	40964	CH	EET MID	12/05/22 21:11

Client Sample ID: SW19

Lab Sample ID: 880-22168-17
Matrix: Solid
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			40873	MNR	EET MID	12/02/22 10:18
Total/NA	Analysis	8021B		1	41033	MNR	EET MID	12/05/22 22:17
Total/NA	Analysis	Total BTEX		1	41065	AJ	EET MID	12/06/22 10:52
Total/NA	Analysis	8015 NM		1	41032	SM	EET MID	12/05/22 12:38
Total/NA	Prep	8015NM Prep			40859	DM	EET MID	12/02/22 09:04
Total/NA	Analysis	8015B NM		1	40861	SM	EET MID	12/02/22 23:55

Lab Chronicle

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22168-1
SDG: Lea County NM

Client Sample ID: SW19
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17

Lab Sample ID: 880-22168-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			40944	SMC	EET MID	12/03/22 10:55
Soluble	Analysis	300.0		1	40964	CH	EET MID	12/05/22 21:35

Client Sample ID: SW20
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17

Lab Sample ID: 880-22168-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			40873	MNR	EET MID	12/02/22 10:18
Total/NA	Analysis	8021B		1	41033	MNR	EET MID	12/05/22 22:37
Total/NA	Analysis	Total BTEX		1	41065	AJ	EET MID	12/06/22 10:52
Total/NA	Analysis	8015 NM		1	41032	SM	EET MID	12/05/22 12:38
Total/NA	Prep	8015NM Prep			40859	DM	EET MID	12/02/22 09:04
Total/NA	Analysis	8015B NM		1	40861	SM	EET MID	12/03/22 00:18
Soluble	Leach	DI Leach			40944	SMC	EET MID	12/03/22 10:55
Soluble	Analysis	300.0		5	40964	CH	EET MID	12/05/22 21:43

Client Sample ID: SW21
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17

Lab Sample ID: 880-22168-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			40873	MNR	EET MID	12/02/22 10:18
Total/NA	Analysis	8021B		1	41033	MNR	EET MID	12/05/22 22:58
Total/NA	Analysis	Total BTEX		1	41065	AJ	EET MID	12/06/22 10:52
Total/NA	Analysis	8015 NM		1	41032	SM	EET MID	12/05/22 12:38
Total/NA	Prep	8015NM Prep			40859	DM	EET MID	12/02/22 09:04
Total/NA	Analysis	8015B NM		1	40861	SM	EET MID	12/03/22 00:41
Soluble	Leach	DI Leach			40944	SMC	EET MID	12/03/22 10:55
Soluble	Analysis	300.0		1	40964	CH	EET MID	12/05/22 21:51

Client Sample ID: SW22
Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17

Lab Sample ID: 880-22168-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			40873	MNR	EET MID	12/02/22 10:18
Total/NA	Analysis	8021B		1	41033	MNR	EET MID	12/05/22 23:18
Total/NA	Analysis	Total BTEX		1	41065	AJ	EET MID	12/06/22 10:52
Total/NA	Analysis	8015 NM		1	41032	SM	EET MID	12/05/22 12:38
Total/NA	Prep	8015NM Prep			40859	DM	EET MID	12/02/22 09:04
Total/NA	Analysis	8015B NM		1	40861	SM	EET MID	12/03/22 01:05
Soluble	Leach	DI Leach			40944	SMC	EET MID	12/03/22 10:55
Soluble	Analysis	300.0		1	40964	CH	EET MID	12/05/22 22:00

Lab Chronicle

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22168-1
SDG: Lea County NM

Client Sample ID: SW04

Date Collected: 11/29/22 00:00
Date Received: 12/01/22 11:17

Lab Sample ID: 880-22168-21

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			40872	MNR	EET MID	12/02/22 10:13
Total/NA	Analysis	8021B		1	40844	MNR	EET MID	12/03/22 05:41
Total/NA	Analysis	Total BTEX		1	41065	AJ	EET MID	12/05/22 14:19
Total/NA	Analysis	8015 NM		1	41032	SM	EET MID	12/05/22 12:48
Total/NA	Prep	8015NM Prep			40946	DM	EET MID	12/03/22 11:09
Total/NA	Analysis	8015B NM		1	40965	SM	EET MID	12/03/22 20:36
Soluble	Leach	DI Leach			40944	SMC	EET MID	12/03/22 10:55
Soluble	Analysis	300.0		1	40964	CH	EET MID	12/05/22 22:24

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22168-1
SDG: Lea County NM

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	T104704400-22-24	06-30-23

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: Leamex 8 Battery

Job ID: 880-22168-1
SDG: Lea County NM

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	MCAWW	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

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22168-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-22168-1	SW02	Solid	11/29/22 00:00	12/01/22 11:17	0 - 4'
880-22168-2	SW03	Solid	11/29/22 00:00	12/01/22 11:17	0 - 4'
880-22168-3	SW05	Solid	11/29/22 00:00	12/01/22 11:17	0 - 4'
880-22168-4	SW06	Solid	11/29/22 00:00	12/01/22 11:17	0 - 4'
880-22168-5	SW07	Solid	11/29/22 00:00	12/01/22 11:17	0 - 4'
880-22168-6	SW08	Solid	11/29/22 00:00	12/01/22 11:17	0 - 4'
880-22168-7	SW09	Solid	11/29/22 00:00	12/01/22 11:17	0 - 4'
880-22168-8	SW10	Solid	11/29/22 00:00	12/01/22 11:17	0 - 4'
880-22168-9	SW11	Solid	11/29/22 00:00	12/01/22 11:17	0 - 4'
880-22168-10	SW12	Solid	11/29/22 00:00	12/01/22 11:17	0 - 4'
880-22168-11	SW13	Solid	11/29/22 00:00	12/01/22 11:17	0 - 4'
880-22168-12	SW14	Solid	11/29/22 00:00	12/01/22 11:17	0 - 4'
880-22168-13	SW15	Solid	11/29/22 00:00	12/01/22 11:17	0 - 4'
880-22168-14	SW16	Solid	11/29/22 00:00	12/01/22 11:17	0 - 4'
880-22168-15	SW17	Solid	11/29/22 00:00	12/01/22 11:17	0 - 4'
880-22168-16	SW18	Solid	11/29/22 00:00	12/01/22 11:17	0 - 4'
880-22168-17	SW19	Solid	11/29/22 00:00	12/01/22 11:17	0 - 4'
880-22168-18	SW20	Solid	11/29/22 00:00	12/01/22 11:17	0 - 4'
880-22168-19	SW21	Solid	11/29/22 00:00	12/01/22 11:17	0 - 4'
880-22168-20	SW22	Solid	11/29/22 00:00	12/01/22 11:17	0 - 4'
880-22168-21	SW04	Solid	11/29/22 00:00	12/01/22 11:17	0 - 4'

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: 22168

www.xenco.com Page 1 of 3

Project Manager:	KALEI JENNINGS	Bill to (if different)	
Company Name:	ENSOLUM LLC.	Company Name	
Address	601 N. MARIENFELD ST. SUITE 400	Address	
City, State ZIP	MIDLAND TX 79701	City State ZIP	
Phone	817 683 2503	Email	

Work Order Comments

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

Project Name:	LEAMEX 8 BATTERY	Turn Around	
Project Number:	03D 205 7018	☐ Routine ☑ Rush	
Project Location	LEA COUNTY NM	Due Date	3DAY
Sampler's Name:	Conner Shore	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:		T-NM-007
Cooler Custody Seals.	Yes No N/A	Correction Factor:		
Sample Custody Seals	Yes No N/A	Temperature Reading		3.2
Total Containers.		Corrected Temperature:		

Preservative Codes

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: Chlorides	TPH	BTEX	Sample Comments
SW02	S	11 29 22	0945	0-4'	C	1		X	X	X	
SW03			0950								
SW05			0955								
SW06			0920								
SW07			1000								
SW08			1005								
SW09			1010								
SW10			1015								
SW11			1020								
SW12			1025								

880-22168 Chain of Custody

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		12/1/22 11:17	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev 2020.2

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: _____

www.xenco.com Page 2 of 3

Project Manager	SEE Pg 1	Bill to (if different)	
Company Name		Company Name	
Address		Address	
City State ZIP		City State ZIP	
Phone	Email		

Work Order Comments

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

Project Name	LEAMEX 8 BATTERY	Turn Around	
Project Number	03D2057018	☐ Routine ☒ Rush	
Project Location	LEA COUNTY, NM	Due Date	3DAY
Sampler's Name	Conner Short	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	T-NM-007	
Cooler Custody Seals	Yes No N/A	Correction Factor		
Sample Custody Seals	Yes No N/A	Temperature Reading	3.2	
Total Containers		Corrected Temperature		

Preservative Codes

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Chlorides	BTEX	TPH	Sample Comments
SW13	S	11 29 22	1250	0-4'	C	1	X	X	X	
SW14			1255							
SW15			1300							
SW16			1305							
SW17			1310							
SW18			1315							
SW19			1320							
SW20			1325							
SW21			1330							
SW22			1335							

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		12.1.22 11:17	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev 2020.2

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: _____

www.xenco.com Page 3 of 3

Project Manager·	SEE PG 1	Bill to· (if different)	
Company Name·		Company Name	
Address		Address.	
City State ZIP		City State ZIP·	
Phone	Email		

Work Order Comments

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

Project Name·	LEAMEX 8 BATTERY	Turn Around	
Project Number·	03D205 7018	☐Routine ☒Rush	
Project Location	LEA COUNTY, NM	Due Date	3 DAY
Sampler's Name.	Conner Shore	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·		T-NM-007
Cooler Custody Seals	Yes No N/A	Correction Factor·		
Sample Custody Seals.	Yes No N/A	Temperature Reading		3.2
Total Containers.		Corrected Temperature·		

Preservative Codes

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code
SW04	S	11.29.22	1415	0-4'	C	1	

ANALYSIS REQUEST — Parameters

Sample Comments

Loc: 880
22168

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		12/1/22 11:17	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev 2020.2

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 880-22168-1
SDG Number: Lea County NM

Login Number: 22168
List Number: 1
Creator: Kramer, Jessica

List Source: Eurofins Midland

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Kalei Jennings
Ensolum
601 N. Marienfeld St.
Suite 400
Midland, Texas 79701

Generated 12/15/2022 2:39:43 PM Revision 1

JOB DESCRIPTION

Leamex 8 Battery
SDG NUMBER Lea County NM

JOB NUMBER

880-22177-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Eurofins Midland

Job Notes

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
12/15/2022 2:39:43 PM
Revision 1

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

Client: Ensolum
Project/Site: Leamex 8 Battery

Laboratory Job ID: 880-22177-1
SDG: Lea County NM

Table of Contents

Definitions/Glossary

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22177-1
SDG: Lea County NM

Qualifiers

GC 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.

GC Semi VOA

Qualifier	Qualifier Description
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
Project/Site: Leamex 8 Battery

Job ID: 880-22177-1
SDG: Lea County NM

Job ID: 880-22177-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-22177-1

REVISION

The report being provided is a revision of the original report sent on 12/13/2022. The report (revision 1) is being revised due to Per client email, requesting sample ID change.

Report revision history

Receipt
The samples were received on 12/1/2022 11:17 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.6°C

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-40910 and analytical batch 880-41566 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: FS19 (880-22177-14) and FS21 (880-22177-16). 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: FS34 (880-22177-8). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: FS29 (880-22177-3) and FS30 (880-22177-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (LCS 880-40910/1-A) and (LCSD 880-40910/2-A). Evidence of matrix interferences is not obvious.

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 control limits: FS37 (880-22177-11), FS38 (880-22177-12), FS39 (880-22177-13), FS19 (880-22177-14), FS20 (880-22177-15), FS21 (880-22177-16) and FS22 (880-22177-17). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: FS28 (880-22177-2), FS29 (880-22177-3), FS30 (880-22177-4), FS31 (880-22177-5), FS32 (880-22177-6), FS33 (880-22177-7), FS34 (880-22177-8), FS35 (880-22177-9) and FS36 (880-22177-10). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: FS27 (880-22177-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-41226/2-A) and (LCSD 880-41226/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-41226 and analytical batch 880-41315 was outside the upper control limits.

Case Narrative

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22177-1
SDG: Lea County NM

Job ID: 880-22177-1 (Continued)

Laboratory: Eurofins Midland (Continued)

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: Leamex 8 Battery

Job ID: 880-22177-1
SDG: Lea County NM

Client Sample ID: FS27

Date Collected: 11/29/22 09:00
Date Received: 12/01/22 11:17
Sample Depth: 4'

Lab Sample ID: 880-22177-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U F2 F1	0.00201		mg/Kg		12/02/22 16:18	12/13/22 00:58	1
Toluene	<0.00201	U F2 F1	0.00201		mg/Kg		12/02/22 16:18	12/13/22 00:58	1
Ethylbenzene	<0.00201	U F2 F1	0.00201		mg/Kg		12/02/22 16:18	12/13/22 00:58	1
m-Xylene & p-Xylene	<0.00402	U F2 F1	0.00402		mg/Kg		12/02/22 16:18	12/13/22 00:58	1
o-Xylene	<0.00201	U F2 F1	0.00201		mg/Kg		12/02/22 16:18	12/13/22 00:58	1
Xylenes, Total	<0.00402	U F2 F1	0.00402		mg/Kg		12/02/22 16:18	12/13/22 00:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*12/02/22 16:18*	*12/13/22 00:58*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*12/02/22 16:18*	*12/13/22 00:58*	*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			12/13/22 11:04	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			12/09/22 09:57	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		12/07/22 09:28	12/08/22 12:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/22 09:28	12/08/22 12:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/22 09:28	12/08/22 12:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*12/07/22 09:28*	*12/08/22 12:56*	*1*
o-Terphenyl	*135*	*S1+*	*70 - 130*	*12/07/22 09:28*	*12/08/22 12:56*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**22.8**		4.99		mg/Kg			12/06/22 15:04	1

Client Sample ID: FS28

Date Collected: 11/29/22 09:05
Date Received: 12/01/22 11:17
Sample Depth: 4'

Lab Sample ID: 880-22177-2
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		12/02/22 16:18	12/13/22 01:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/02/22 16:18	12/13/22 01:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/02/22 16:18	12/13/22 01:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/02/22 16:18	12/13/22 01:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/02/22 16:18	12/13/22 01:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/02/22 16:18	12/13/22 01:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*129*		*70 - 130*	*12/02/22 16:18*	*12/13/22 01:18*	*1*

Eurofins Midland

Client Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22177-1
SDG: Lea County NM

Client Sample ID: FS28

Date Collected: 11/29/22 09:05
Date Received: 12/01/22 11:17
Sample Depth: 4'

Lab Sample ID: 880-22177-2
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*12/02/22 16:18*	*12/13/22 01:18*	*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			12/13/22 11:04	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			12/09/22 09:57	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		12/07/22 09:28	12/08/22 14:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/07/22 09:28	12/08/22 14:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/07/22 09:28	12/08/22 14:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*136*	*S1+*	*70 - 130*	*12/07/22 09:28*	*12/08/22 14:03*	*1*
o-Terphenyl	*158*	*S1+*	*70 - 130*	*12/07/22 09:28*	*12/08/22 14:03*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17.6**		4.97	mg/Kg			12/06/22 15:12	1

Client Sample ID: FS29

Date Collected: 11/29/22 09:10
Date Received: 12/01/22 11:17
Sample Depth: 4'

Lab Sample ID: 880-22177-3
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		12/02/22 16:18	12/13/22 01:39	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/02/22 16:18	12/13/22 01:39	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/02/22 16:18	12/13/22 01:39	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		12/02/22 16:18	12/13/22 01:39	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/02/22 16:18	12/13/22 01:39	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		12/02/22 16:18	12/13/22 01:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*145*	*S1+*	*70 - 130*	*12/02/22 16:18*	*12/13/22 01:39*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*12/02/22 16:18*	*12/13/22 01:39*	*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			12/13/22 11:04	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			12/09/22 09:57	1

Eurofins Midland

Client Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22177-1
SDG: Lea County NM

Client Sample ID: FS29

Lab Sample ID: 880-22177-3
Matrix: Solid
Date Collected: 11/29/22 09:10
Date Received: 12/01/22 11:17
Sample Depth: 4'

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		12/07/22 09:28	12/08/22 14:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/07/22 09:28	12/08/22 14:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/07/22 09:28	12/08/22 14:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*126*		*70 - 130*	*12/07/22 09:28*	*12/08/22 14:25*	*1*
o-Terphenyl	*148*	*S1+*	*70 - 130*	*12/07/22 09:28*	*12/08/22 14:25*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17.1**		5.02		mg/Kg			12/06/22 15:36	1

Client Sample ID: FS30

Lab Sample ID: 880-22177-4
Matrix: Solid
Date Collected: 11/29/22 09:15
Date Received: 12/01/22 11:17
Sample Depth: 4'

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		12/02/22 16:18	12/13/22 01:59	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/02/22 16:18	12/13/22 01:59	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/02/22 16:18	12/13/22 01:59	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/02/22 16:18	12/13/22 01:59	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/02/22 16:18	12/13/22 01:59	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/02/22 16:18	12/13/22 01:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*138*	*S1+*	*70 - 130*	*12/02/22 16:18*	*12/13/22 01:59*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*12/02/22 16:18*	*12/13/22 01:59*	*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			12/13/22 11:04	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			12/09/22 09:57	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		12/07/22 09:28	12/08/22 14:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/22 09:28	12/08/22 14:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/22 09:28	12/08/22 14:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*139*	*S1+*	*70 - 130*	*12/07/22 09:28*	*12/08/22 14:47*	*1*
o-Terphenyl	*163*	*S1+*	*70 - 130*	*12/07/22 09:28*	*12/08/22 14:47*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22177-1
SDG: Lea County NM

Client Sample ID: FS30

Lab Sample ID: 880-22177-4
Matrix: Solid
Date Collected: 11/29/22 09:15
Date Received: 12/01/22 11:17
Sample Depth: 4'

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44.2		4.97		mg/Kg			12/06/22 15:44	1

Client Sample ID: FS31

Lab Sample ID: 880-22177-5
Matrix: Solid
Date Collected: 11/29/22 09:25
Date Received: 12/01/22 11:17
Sample Depth: 4'

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		12/02/22 16:18	12/13/22 02:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/02/22 16:18	12/13/22 02:20	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/02/22 16:18	12/13/22 02:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/02/22 16:18	12/13/22 02:20	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/02/22 16:18	12/13/22 02:20	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/02/22 16:18	12/13/22 02:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*12/02/22 16:18*	*12/13/22 02:20*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*12/02/22 16:18*	*12/13/22 02:20*	*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			12/13/22 11:04	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			12/09/22 09:57	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		12/07/22 09:28	12/08/22 15:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/22 09:28	12/08/22 15:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/22 09:28	12/08/22 15:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*12/07/22 09:28*	*12/08/22 15:09*	*1*
o-Terphenyl	*139*	*S1+*	*70 - 130*	*12/07/22 09:28*	*12/08/22 15:09*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.8		5.05		mg/Kg			12/06/22 15:52	1

Client Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22177-1
SDG: Lea County NM

Client Sample ID: FS32

Lab Sample ID: 880-22177-6
Matrix: Solid
Date Collected: 11/29/22 09:30
Date Received: 12/01/22 11:17
Sample Depth: 4'

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		12/02/22 16:18	12/13/22 02:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/02/22 16:18	12/13/22 02:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/02/22 16:18	12/13/22 02:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/02/22 16:18	12/13/22 02:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/02/22 16:18	12/13/22 02:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/02/22 16:18	12/13/22 02:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*12/02/22 16:18*	*12/13/22 02:40*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*12/02/22 16:18*	*12/13/22 02:40*	*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			12/13/22 11:04	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			12/09/22 09:57	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		12/07/22 09:28	12/08/22 15:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/22 09:28	12/08/22 15:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/22 09:28	12/08/22 15:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*135*	*S1+*	*70 - 130*	*12/07/22 09:28*	*12/08/22 15:32*	*1*
o-Terphenyl	*156*	*S1+*	*70 - 130*	*12/07/22 09:28*	*12/08/22 15:32*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**12.5**		4.96		mg/Kg			12/06/22 16:01	1

Client Sample ID: FS33

Lab Sample ID: 880-22177-7
Matrix: Solid
Date Collected: 11/29/22 09:35
Date Received: 12/01/22 11:17
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		12/02/22 16:18	12/13/22 03:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/22 16:18	12/13/22 03:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/02/22 16:18	12/13/22 03:00	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/02/22 16:18	12/13/22 03:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/22 16:18	12/13/22 03:00	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/02/22 16:18	12/13/22 03:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*12/02/22 16:18*	*12/13/22 03:00*	*1*

Eurofins Midland

Client Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22177-1
SDG: Lea County NM

Client Sample ID: FS33
Date Collected: 11/29/22 09:35
Date Received: 12/01/22 11:17
Sample Depth: 4'

Lab Sample ID: 880-22177-7
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*12/02/22 16:18*	*12/13/22 03:00*	*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			12/13/22 11:04	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			12/09/22 09:57	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	<49.8	U	49.8	mg/Kg		12/07/22 09:28	12/08/22 15:54	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		12/07/22 09:28	12/08/22 15:54	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		12/07/22 09:28	12/08/22 15:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*12/07/22 09:28*	*12/08/22 15:54*	*1*
o-Terphenyl	*140*	*S1+*	*70 - 130*	*12/07/22 09:28*	*12/08/22 15:54*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.1**		5.05	mg/Kg			12/06/22 16:09	1

Client Sample ID: FS34
Date Collected: 11/29/22 09:40
Date Received: 12/01/22 11:17
Sample Depth: 4'

Lab Sample ID: 880-22177-8
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		12/02/22 16:18	12/13/22 03:21	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/02/22 16:18	12/13/22 03:21	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/02/22 16:18	12/13/22 03:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		12/02/22 16:18	12/13/22 03:21	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/02/22 16:18	12/13/22 03:21	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/02/22 16:18	12/13/22 03:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*151*	*S1+*	*70 - 130*	*12/02/22 16:18*	*12/13/22 03:21*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*12/02/22 16:18*	*12/13/22 03:21*	*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			12/13/22 11:04	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			12/09/22 09:57	1

Eurofins Midland

Client Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22177-1
SDG: Lea County NM

Client Sample ID: FS34

Lab Sample ID: 880-22177-8
Matrix: Solid
Date Collected: 11/29/22 09:40
Date Received: 12/01/22 11:17
Sample Depth: 4'

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		12/07/22 09:28	12/08/22 16:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/07/22 09:28	12/08/22 16:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/07/22 09:28	12/08/22 16:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*12/07/22 09:28*	*12/08/22 16:16*	*1*
o-Terphenyl	*143*	*S1+*	*70 - 130*	*12/07/22 09:28*	*12/08/22 16:16*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**63.2**		4.95		mg/Kg			12/06/22 16:17	1

Client Sample ID: FS35

Lab Sample ID: 880-22177-9
Matrix: Solid
Date Collected: 11/29/22 10:20
Date Received: 12/01/22 11:17
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		12/02/22 16:18	12/13/22 03:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/22 16:18	12/13/22 03:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/02/22 16:18	12/13/22 03:41	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/02/22 16:18	12/13/22 03:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/22 16:18	12/13/22 03:41	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/02/22 16:18	12/13/22 03:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*12/02/22 16:18*	*12/13/22 03:41*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*12/02/22 16:18*	*12/13/22 03:41*	*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			12/13/22 11:04	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			12/09/22 09:57	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		12/07/22 09:28	12/08/22 16:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/22 09:28	12/08/22 16:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/22 09:28	12/08/22 16:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*118*		*70 - 130*	*12/07/22 09:28*	*12/08/22 16:38*	*1*
o-Terphenyl	*138*	*S1+*	*70 - 130*	*12/07/22 09:28*	*12/08/22 16:38*	*1*

Eurofins Midland

Client Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22177-1
SDG: Lea County NM

Client Sample ID: FS35
Date Collected: 11/29/22 10:20
Date Received: 12/01/22 11:17
Sample Depth: 4'

Lab Sample ID: 880-22177-9
Matrix: Solid

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	919		5.04		mg/Kg			12/06/22 16:41	1

Client Sample ID: FS36
Date Collected: 11/29/22 10:25
Date Received: 12/01/22 11:17
Sample Depth: 4'

Lab Sample ID: 880-22177-10
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		12/02/22 16:18	12/13/22 04:02	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/02/22 16:18	12/13/22 04:02	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/02/22 16:18	12/13/22 04:02	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/02/22 16:18	12/13/22 04:02	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/02/22 16:18	12/13/22 04:02	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/02/22 16:18	12/13/22 04:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*	*12/02/22 16:18*	*12/13/22 04:02*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*12/02/22 16:18*	*12/13/22 04:02*	*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			12/13/22 11:04	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			12/09/22 09:57	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		12/07/22 09:28	12/08/22 17:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/22 09:28	12/08/22 17:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/22 09:28	12/08/22 17:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*133*	*S1+*	*70 - 130*	*12/07/22 09:28*	*12/08/22 17:00*	*1*
o-Terphenyl	*155*	*S1+*	*70 - 130*	*12/07/22 09:28*	*12/08/22 17:00*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1170		5.05		mg/Kg			12/06/22 16:50	1

Client Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22177-1
SDG: Lea County NM

Client Sample ID: FS37
Date Collected: 11/29/22 10:30
Date Received: 12/01/22 11:17
Sample Depth: 4'

Lab Sample ID: 880-22177-11
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		12/02/22 16:18	12/13/22 05:51	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/02/22 16:18	12/13/22 05:51	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/02/22 16:18	12/13/22 05:51	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/02/22 16:18	12/13/22 05:51	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/02/22 16:18	12/13/22 05:51	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/02/22 16:18	12/13/22 05:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*12/02/22 16:18*	*12/13/22 05:51*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*12/02/22 16:18*	*12/13/22 05:51*	*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			12/13/22 11:04	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			12/09/22 09:57	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		12/07/22 09:28	12/08/22 17:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/22 09:28	12/08/22 17:45	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/22 09:28	12/08/22 17:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*128*		*70 - 130*	*12/07/22 09:28*	*12/08/22 17:45*	*1*
o-Terphenyl	*149*	*S1+*	*70 - 130*	*12/07/22 09:28*	*12/08/22 17:45*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**103**		4.98		mg/Kg			12/06/22 17:14	1

Client Sample ID: FS38
Date Collected: 11/29/22 10:35
Date Received: 12/01/22 11:17
Sample Depth: 4'

Lab Sample ID: 880-22177-12
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		12/02/22 16:18	12/13/22 06:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/02/22 16:18	12/13/22 06:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/02/22 16:18	12/13/22 06:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/02/22 16:18	12/13/22 06:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/02/22 16:18	12/13/22 06:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/02/22 16:18	12/13/22 06:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*	*12/02/22 16:18*	*12/13/22 06:12*	*1*

Eurofins Midland

Client Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22177-1
SDG: Lea County NM

Client Sample ID: FS38

Lab Sample ID: 880-22177-12
Matrix: Solid
Date Collected: 11/29/22 10:35
Date Received: 12/01/22 11:17
Sample Depth: 4'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*12/02/22 16:18*	*12/13/22 06:12*	*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			12/13/22 11:04	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			12/09/22 09:57	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		12/07/22 09:28	12/08/22 18:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/07/22 09:28	12/08/22 18:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/07/22 09:28	12/08/22 18:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*134*	*S1+*	*70 - 130*	*12/07/22 09:28*	*12/08/22 18:07*	*1*
o-Terphenyl	*156*	*S1+*	*70 - 130*	*12/07/22 09:28*	*12/08/22 18:07*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**303**		5.03	mg/Kg			12/06/22 17:22	1

Client Sample ID: FS39

Lab Sample ID: 880-22177-13
Matrix: Solid
Date Collected: 11/29/22 10:55
Date Received: 12/01/22 11:17
Sample Depth: 4'

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		12/02/22 16:18	12/13/22 06:32	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/02/22 16:18	12/13/22 06:32	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/02/22 16:18	12/13/22 06:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		12/02/22 16:18	12/13/22 06:32	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/02/22 16:18	12/13/22 06:32	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/02/22 16:18	12/13/22 06:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*12/02/22 16:18*	*12/13/22 06:32*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*12/02/22 16:18*	*12/13/22 06:32*	*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			12/13/22 11:04	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			12/09/22 09:57	1

Eurofins Midland

Client Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22177-1
SDG: Lea County NM

Client Sample ID: FS39
Date Collected: 11/29/22 10:55
Date Received: 12/01/22 11:17
Sample Depth: 4'

Lab Sample ID: 880-22177-13
Matrix: Solid

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		12/07/22 09:28	12/08/22 18:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/07/22 09:28	12/08/22 18:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/07/22 09:28	12/08/22 18:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*127*		*70 - 130*	*12/07/22 09:28*	*12/08/22 18:29*	*1*
o-Terphenyl	*148*	*S1+*	*70 - 130*	*12/07/22 09:28*	*12/08/22 18:29*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**358**		4.98		mg/Kg			12/06/22 17:30	1

Client Sample ID: FS19
Date Collected: 11/29/22 11:00
Date Received: 12/01/22 11:17
Sample Depth: 4'

Lab Sample ID: 880-22177-14
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		12/02/22 16:18	12/13/22 06:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/22 16:18	12/13/22 06:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/02/22 16:18	12/13/22 06:53	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/02/22 16:18	12/13/22 06:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/22 16:18	12/13/22 06:53	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/02/22 16:18	12/13/22 06:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*151*	*S1+*	*70 - 130*	*12/02/22 16:18*	*12/13/22 06:53*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*12/02/22 16:18*	*12/13/22 06:53*	*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			12/13/22 11:04	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			12/09/22 09:57	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	<49.8	U	49.8		mg/Kg		12/07/22 09:28	12/08/22 18:50	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/07/22 09:28	12/08/22 18:50	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/07/22 09:28	12/08/22 18:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*140*	*S1+*	*70 - 130*	*12/07/22 09:28*	*12/08/22 18:50*	*1*
o-Terphenyl	*165*	*S1+*	*70 - 130*	*12/07/22 09:28*	*12/08/22 18:50*	*1*

Eurofins Midland

Client Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22177-1
SDG: Lea County NM

Client Sample ID: FS19
Date Collected: 11/29/22 11:00
Date Received: 12/01/22 11:17
Sample Depth: 4'

Lab Sample ID: 880-22177-14
Matrix: Solid

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3960		24.9		mg/Kg			12/06/22 17:38	5

Client Sample ID: FS20
Date Collected: 11/29/22 11:05
Date Received: 12/01/22 11:17
Sample Depth: 4'

Lab Sample ID: 880-22177-15
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		12/02/22 16:18	12/13/22 07:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/22 16:18	12/13/22 07:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/02/22 16:18	12/13/22 07:13	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/02/22 16:18	12/13/22 07:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/22 16:18	12/13/22 07:13	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/02/22 16:18	12/13/22 07:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*12/02/22 16:18*	*12/13/22 07:13*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*12/02/22 16:18*	*12/13/22 07:13*	*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			12/13/22 11:04	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			12/09/22 09:57	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		12/07/22 09:28	12/08/22 19:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/07/22 09:28	12/08/22 19:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/07/22 09:28	12/08/22 19:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*134*	*S1+*	*70 - 130*	*12/07/22 09:28*	*12/08/22 19:12*	*1*
o-Terphenyl	*156*	*S1+*	*70 - 130*	*12/07/22 09:28*	*12/08/22 19:12*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	184		5.04		mg/Kg			12/06/22 17:46	1

Client Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22177-1
SDG: Lea County NM

Client Sample ID: FS21

Lab Sample ID: 880-22177-16
Matrix: Solid
Date Collected: 11/29/22 11:10
Date Received: 12/01/22 11:17
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		12/02/22 16:18	12/13/22 07:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/22 16:18	12/13/22 07:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/02/22 16:18	12/13/22 07:34	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/02/22 16:18	12/13/22 07:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/22 16:18	12/13/22 07:34	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/02/22 16:18	12/13/22 07:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*157*	*S1+*	*70 - 130*	*12/02/22 16:18*	*12/13/22 07:34*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*12/02/22 16:18*	*12/13/22 07:34*	*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			12/13/22 11:04	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			12/09/22 09:57	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		12/07/22 09:28	12/08/22 19:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/22 09:28	12/08/22 19:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/22 09:28	12/08/22 19:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*138*	*S1+*	*70 - 130*	*12/07/22 09:28*	*12/08/22 19:33*	*1*
o-Terphenyl	*162*	*S1+*	*70 - 130*	*12/07/22 09:28*	*12/08/22 19:33*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3780**		25.2		mg/Kg			12/06/22 17:55	5

Client Sample ID: FS22

Lab Sample ID: 880-22177-17
Matrix: Solid
Date Collected: 11/29/22 11:15
Date Received: 12/01/22 11:17
Sample Depth: 4'

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		12/02/22 16:18	12/13/22 07:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/02/22 16:18	12/13/22 07:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/02/22 16:18	12/13/22 07:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/02/22 16:18	12/13/22 07:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/02/22 16:18	12/13/22 07:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/02/22 16:18	12/13/22 07:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*12/02/22 16:18*	*12/13/22 07:54*	*1*

Eurofins Midland

Client Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22177-1
SDG: Lea County NM

Client Sample ID: FS22
Date Collected: 11/29/22 11:15
Date Received: 12/01/22 11:17
Sample Depth: 4'

Lab Sample ID: 880-22177-17
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*12/02/22 16:18*	*12/13/22 07:54*	*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			12/13/22 11:04	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			12/09/22 09:57	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		12/07/22 09:28	12/08/22 19:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/07/22 09:28	12/08/22 19:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/07/22 09:28	12/08/22 19:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*12/07/22 09:28*	*12/08/22 19:55*	*1*
o-Terphenyl	*135*	*S1+*	*70 - 130*	*12/07/22 09:28*	*12/08/22 19:55*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**118**		5.01	mg/Kg			12/06/22 18:03	1

Surrogate Summary

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22177-1
SDG: Lea County NM

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)
880-22177-1	FS27	84	101
880-22177-1 MS	FS27	114	102
880-22177-1 MSD	FS27	98	90
880-22177-2	FS28	129	105
880-22177-3	FS29	145 S1+	98
880-22177-4	FS30	138 S1+	89
880-22177-5	FS31	126	103
880-22177-6	FS32	109	95
880-22177-7	FS33	95	95
880-22177-8	FS34	151 S1+	102
880-22177-9	FS35	110	99
880-22177-10	FS36	83	99
880-22177-11	FS37	86	90
880-22177-12	FS38	130	107
880-22177-13	FS39	103	93
880-22177-14	FS19	151 S1+	104
880-22177-15	FS20	122	97
880-22177-16	FS21	157 S1+	99
880-22177-17	FS22	118	97
LCS 880-40910/1-A	Lab Control Sample	147 S1+	96
LCSD 880-40910/2-A	Lab Control Sample Dup	137 S1+	97
MB 880-40910/5-A	Method Blank	74	98
MB 880-41490/5-A	Method Blank	74	99

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)
880-22177-1	FS27	115	135 S1+
880-22177-1 MS	FS27	109	112
880-22177-1 MSD	FS27	124	128
880-22177-2	FS28	136 S1+	158 S1+
880-22177-3	FS29	126	148 S1+
880-22177-4	FS30	139 S1+	163 S1+
880-22177-5	FS31	120	139 S1+
880-22177-6	FS32	135 S1+	156 S1+
880-22177-7	FS33	119	140 S1+
880-22177-8	FS34	122	143 S1+
880-22177-9	FS35	118	138 S1+
880-22177-10	FS36	133 S1+	155 S1+
880-22177-11	FS37	128	149 S1+
880-22177-12	FS38	134 S1+	156 S1+
880-22177-13	FS39	127	148 S1+
880-22177-14	FS19	140 S1+	165 S1+

Surrogate Summary

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22177-1
SDG: Lea County NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)									
		1CO1	OTPH1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
880-22177-15	FS20	134 S1+	156 S1+								
880-22177-16	FS21	138 S1+	162 S1+								
880-22177-17	FS22	115	135 S1+								
LCS 880-41226/2-A	Lab Control Sample	134 S1+	159 S1+								
LCSD 880-41226/3-A	Lab Control Sample Dup	141 S1+	162 S1+								
MB 880-41226/1-A	Method Blank	115	171 S1+								

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22177-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-40910/5-A
Matrix: Solid
Analysis Batch: 41566

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 40910

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/02/22 16:18	12/13/22 00:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/22 16:18	12/13/22 00:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/02/22 16:18	12/13/22 00:29	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/02/22 16:18	12/13/22 00:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/22 16:18	12/13/22 00:29	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/02/22 16:18	12/13/22 00:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*74*		*70 - 130*	*12/02/22 16:18*	*12/13/22 00:29*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*12/02/22 16:18*	*12/13/22 00:29*	*1*

Lab Sample ID: LCS 880-40910/1-A
Matrix: Solid
Analysis Batch: 41566

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 40910

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09037		mg/Kg		90	70 - 130		
Toluene			0.100	0.09680		mg/Kg		97	70 - 130		
Ethylbenzene			0.100	0.1042		mg/Kg		104	70 - 130		
m-Xylene & p-Xylene			0.200	0.2347		mg/Kg		117	70 - 130		
o-Xylene			0.100	0.1151		mg/Kg		115	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*147*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: LCSD 880-40910/2-A
Matrix: Solid
Analysis Batch: 41566

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 40910

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1092		mg/Kg		109	70 - 130	19	35
Toluene			0.100	0.1036		mg/Kg		104	70 - 130	7	35
Ethylbenzene			0.100	0.1081		mg/Kg		108	70 - 130	4	35
m-Xylene & p-Xylene			0.200	0.2415		mg/Kg		121	70 - 130	3	35
o-Xylene			0.100	0.1212		mg/Kg		121	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*137*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: 880-22177-1 MS
Matrix: Solid
Analysis Batch: 41566

Client Sample ID: FS27
Prep Type: Total/NA
Prep Batch: 40910

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00201	U F2 F1	0.0996	0.06221	F1	mg/Kg		62	70 - 130		
Toluene	<0.00201	U F2 F1	0.0996	0.06135	F1	mg/Kg		61	70 - 130		

QC Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22177-1
SDG: Lea County NM

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

Lab Sample ID: 880-22177-1 MS
Matrix: Solid
Analysis Batch: 41566

Client Sample ID: FS27
Prep Type: Total/NA
Prep Batch: 40910

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U F2 F1	0.0996	0.07017		mg/Kg		70	70 - 130
m-Xylene & p-Xylene	<0.00402	U F2 F1	0.199	0.1467		mg/Kg		73	70 - 130
o-Xylene	<0.00201	U F2 F1	0.0996	0.07406		mg/Kg		74	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 880-22177-1 MSD
Matrix: Solid
Analysis Batch: 41566

Client Sample ID: FS27
Prep Type: Total/NA
Prep Batch: 40910

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U F2 F1	0.0990	0.01383	F2 F1	mg/Kg		14	70 - 130	127	35
Toluene	<0.00201	U F2 F1	0.0990	0.01522	F2 F1	mg/Kg		14	70 - 130	120	35
Ethylbenzene	<0.00201	U F2 F1	0.0990	0.01843	F2 F1	mg/Kg		19	70 - 130	117	35
m-Xylene & p-Xylene	<0.00402	U F2 F1	0.198	0.03700	F2 F1	mg/Kg		18	70 - 130	119	35
o-Xylene	<0.00201	U F2 F1	0.0990	0.01909	F2 F1	mg/Kg		19	70 - 130	118	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

Lab Sample ID: MB 880-41490/5-A
Matrix: Solid
Analysis Batch: 41566

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 41490

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/09/22 14:34	12/12/22 12:54	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/09/22 14:34	12/12/22 12:54	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/09/22 14:34	12/12/22 12:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		12/09/22 14:34	12/12/22 12:54	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/09/22 14:34	12/12/22 12:54	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/09/22 14:34	12/12/22 12:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*74*		*70 - 130*	*12/09/22 14:34*	*12/12/22 12:54*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*12/09/22 14:34*	*12/12/22 12:54*	*1*

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

Lab Sample ID: MB 880-41226/1-A
Matrix: Solid
Analysis Batch: 41315

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 41226

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		12/07/22 09:28	12/08/22 09:18	1

QC Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22177-1
SDG: Lea County NM

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

Lab Sample ID: MB 880-41226/1-A
Matrix: Solid
Analysis Batch: 41315

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 41226

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		12/07/22 09:28	12/08/22 09:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/22 09:28	12/08/22 09:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*12/07/22 09:28*	*12/08/22 09:18*	*1*
o-Terphenyl	*171*	*S1+*	*70 - 130*	*12/07/22 09:28*	*12/08/22 09:18*	*1*

Lab Sample ID: LCS 880-41226/2-A
Matrix: Solid
Analysis Batch: 41315

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 41226

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	901.7		mg/Kg		90	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	848.3		mg/Kg		85	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*134*	*S1+*	*70 - 130*
o-Terphenyl	*159*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-41226/3-A
Matrix: Solid
Analysis Batch: 41315

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 41226

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	928.8		mg/Kg		93	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	867.2		mg/Kg		87	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*141*	*S1+*	*70 - 130*
o-Terphenyl	*162*	*S1+*	*70 - 130*

Lab Sample ID: 880-22177-1 MS
Matrix: Solid
Analysis Batch: 41315

Client Sample ID: FS27
Prep Type: Total/NA
Prep Batch: 41226

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	1017		mg/Kg		99	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	999	1123		mg/Kg		112	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*109*		*70 - 130*
o-Terphenyl	*112*		*70 - 130*

QC Sample Results

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22177-1
SDG: Lea County NM

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

Lab Sample ID: 880-22177-1 MSD
Matrix: Solid
Analysis Batch: 41315

Client Sample ID: FS27
Prep Type: Total/NA
Prep Batch: 41226

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	<50.0	U	997	1242		mg/Kg		122	70 - 130	20	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	1289		mg/Kg		129	70 - 130	14	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*124*		*70 - 130*
o-Terphenyl	*128*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-40956/1-A
Matrix: Solid
Analysis Batch: 41025

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			12/06/22 13:59	1

Lab Sample ID: LCS 880-40956/2-A
Matrix: Solid
Analysis Batch: 41025

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	260.6		mg/Kg		104	90 - 110		

Lab Sample ID: LCSD 880-40956/3-A
Matrix: Solid
Analysis Batch: 41025

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	253.9		mg/Kg		102	90 - 110	3	20

Lab Sample ID: 880-22177-8 MS
Matrix: Solid
Analysis Batch: 41025

Client Sample ID: FS34
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	63.2		248	318.6		mg/Kg		103	90 - 110		

Lab Sample ID: 880-22177-8 MSD
Matrix: Solid
Analysis Batch: 41025

Client Sample ID: FS34
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	63.2		248	319.2		mg/Kg		103	90 - 110	0	20

QC Association Summary

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22177-1
SDG: Lea County NM

GC VOA

Prep Batch: 40910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22177-1	FS27	Total/NA	Solid	5035	
880-22177-2	FS28	Total/NA	Solid	5035	
880-22177-3	FS29	Total/NA	Solid	5035	
880-22177-4	FS30	Total/NA	Solid	5035	
880-22177-5	FS31	Total/NA	Solid	5035	
880-22177-6	FS32	Total/NA	Solid	5035	
880-22177-7	FS33	Total/NA	Solid	5035	
880-22177-8	FS34	Total/NA	Solid	5035	
880-22177-9	FS35	Total/NA	Solid	5035	
880-22177-10	FS36	Total/NA	Solid	5035	
880-22177-11	FS37	Total/NA	Solid	5035	
880-22177-12	FS38	Total/NA	Solid	5035	
880-22177-13	FS39	Total/NA	Solid	5035	
880-22177-14	FS19	Total/NA	Solid	5035	
880-22177-15	FS20	Total/NA	Solid	5035	
880-22177-16	FS21	Total/NA	Solid	5035	
880-22177-17	FS22	Total/NA	Solid	5035	
MB 880-40910/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-40910/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-40910/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-22177-1 MS	FS27	Total/NA	Solid	5035	
880-22177-1 MSD	FS27	Total/NA	Solid	5035	

Prep Batch: 41490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-41490/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 41566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22177-1	FS27	Total/NA	Solid	8021B	40910
880-22177-2	FS28	Total/NA	Solid	8021B	40910
880-22177-3	FS29	Total/NA	Solid	8021B	40910
880-22177-4	FS30	Total/NA	Solid	8021B	40910
880-22177-5	FS31	Total/NA	Solid	8021B	40910
880-22177-6	FS32	Total/NA	Solid	8021B	40910
880-22177-7	FS33	Total/NA	Solid	8021B	40910
880-22177-8	FS34	Total/NA	Solid	8021B	40910
880-22177-9	FS35	Total/NA	Solid	8021B	40910
880-22177-10	FS36	Total/NA	Solid	8021B	40910
880-22177-11	FS37	Total/NA	Solid	8021B	40910
880-22177-12	FS38	Total/NA	Solid	8021B	40910
880-22177-13	FS39	Total/NA	Solid	8021B	40910
880-22177-14	FS19	Total/NA	Solid	8021B	40910
880-22177-15	FS20	Total/NA	Solid	8021B	40910
880-22177-16	FS21	Total/NA	Solid	8021B	40910
880-22177-17	FS22	Total/NA	Solid	8021B	40910
MB 880-40910/5-A	Method Blank	Total/NA	Solid	8021B	40910
MB 880-41490/5-A	Method Blank	Total/NA	Solid	8021B	41490
LCS 880-40910/1-A	Lab Control Sample	Total/NA	Solid	8021B	40910
LCSD 880-40910/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	40910
880-22177-1 MS	FS27	Total/NA	Solid	8021B	40910

QC Association Summary

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22177-1
SDG: Lea County NM

GC VOA (Continued)

Analysis Batch: 41566 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22177-1 MSD	FS27	Total/NA	Solid	8021B	40910

Analysis Batch: 41733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22177-1	FS27	Total/NA	Solid	Total BTEX	
880-22177-2	FS28	Total/NA	Solid	Total BTEX	
880-22177-3	FS29	Total/NA	Solid	Total BTEX	
880-22177-4	FS30	Total/NA	Solid	Total BTEX	
880-22177-5	FS31	Total/NA	Solid	Total BTEX	
880-22177-6	FS32	Total/NA	Solid	Total BTEX	
880-22177-7	FS33	Total/NA	Solid	Total BTEX	
880-22177-8	FS34	Total/NA	Solid	Total BTEX	
880-22177-9	FS35	Total/NA	Solid	Total BTEX	
880-22177-10	FS36	Total/NA	Solid	Total BTEX	
880-22177-11	FS37	Total/NA	Solid	Total BTEX	
880-22177-12	FS38	Total/NA	Solid	Total BTEX	
880-22177-13	FS39	Total/NA	Solid	Total BTEX	
880-22177-14	FS19	Total/NA	Solid	Total BTEX	
880-22177-15	FS20	Total/NA	Solid	Total BTEX	
880-22177-16	FS21	Total/NA	Solid	Total BTEX	
880-22177-17	FS22	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 41226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22177-1	FS27	Total/NA	Solid	8015NM Prep	
880-22177-2	FS28	Total/NA	Solid	8015NM Prep	
880-22177-3	FS29	Total/NA	Solid	8015NM Prep	
880-22177-4	FS30	Total/NA	Solid	8015NM Prep	
880-22177-5	FS31	Total/NA	Solid	8015NM Prep	
880-22177-6	FS32	Total/NA	Solid	8015NM Prep	
880-22177-7	FS33	Total/NA	Solid	8015NM Prep	
880-22177-8	FS34	Total/NA	Solid	8015NM Prep	
880-22177-9	FS35	Total/NA	Solid	8015NM Prep	
880-22177-10	FS36	Total/NA	Solid	8015NM Prep	
880-22177-11	FS37	Total/NA	Solid	8015NM Prep	
880-22177-12	FS38	Total/NA	Solid	8015NM Prep	
880-22177-13	FS39	Total/NA	Solid	8015NM Prep	
880-22177-14	FS19	Total/NA	Solid	8015NM Prep	
880-22177-15	FS20	Total/NA	Solid	8015NM Prep	
880-22177-16	FS21	Total/NA	Solid	8015NM Prep	
880-22177-17	FS22	Total/NA	Solid	8015NM Prep	
MB 880-41226/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-41226/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-41226/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-22177-1 MS	FS27	Total/NA	Solid	8015NM Prep	
880-22177-1 MSD	FS27	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22177-1
SDG: Lea County NM

GC Semi VOA

Analysis Batch: 41315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22177-1	FS27	Total/NA	Solid	8015B NM	41226
880-22177-2	FS28	Total/NA	Solid	8015B NM	41226
880-22177-3	FS29	Total/NA	Solid	8015B NM	41226
880-22177-4	FS30	Total/NA	Solid	8015B NM	41226
880-22177-5	FS31	Total/NA	Solid	8015B NM	41226
880-22177-6	FS32	Total/NA	Solid	8015B NM	41226
880-22177-7	FS33	Total/NA	Solid	8015B NM	41226
880-22177-8	FS34	Total/NA	Solid	8015B NM	41226
880-22177-9	FS35	Total/NA	Solid	8015B NM	41226
880-22177-10	FS36	Total/NA	Solid	8015B NM	41226
880-22177-11	FS37	Total/NA	Solid	8015B NM	41226
880-22177-12	FS38	Total/NA	Solid	8015B NM	41226
880-22177-13	FS39	Total/NA	Solid	8015B NM	41226
880-22177-14	FS19	Total/NA	Solid	8015B NM	41226
880-22177-15	FS20	Total/NA	Solid	8015B NM	41226
880-22177-16	FS21	Total/NA	Solid	8015B NM	41226
880-22177-17	FS22	Total/NA	Solid	8015B NM	41226
MB 880-41226/1-A	Method Blank	Total/NA	Solid	8015B NM	41226
LCS 880-41226/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	41226
LCSD 880-41226/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	41226
880-22177-1 MS	FS27	Total/NA	Solid	8015B NM	41226
880-22177-1 MSD	FS27	Total/NA	Solid	8015B NM	41226

Analysis Batch: 41429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22177-1	FS27	Total/NA	Solid	8015 NM	
880-22177-2	FS28	Total/NA	Solid	8015 NM	
880-22177-3	FS29	Total/NA	Solid	8015 NM	
880-22177-4	FS30	Total/NA	Solid	8015 NM	
880-22177-5	FS31	Total/NA	Solid	8015 NM	
880-22177-6	FS32	Total/NA	Solid	8015 NM	
880-22177-7	FS33	Total/NA	Solid	8015 NM	
880-22177-8	FS34	Total/NA	Solid	8015 NM	
880-22177-9	FS35	Total/NA	Solid	8015 NM	
880-22177-10	FS36	Total/NA	Solid	8015 NM	
880-22177-11	FS37	Total/NA	Solid	8015 NM	
880-22177-12	FS38	Total/NA	Solid	8015 NM	
880-22177-13	FS39	Total/NA	Solid	8015 NM	
880-22177-14	FS19	Total/NA	Solid	8015 NM	
880-22177-15	FS20	Total/NA	Solid	8015 NM	
880-22177-16	FS21	Total/NA	Solid	8015 NM	
880-22177-17	FS22	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 40956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22177-1	FS27	Soluble	Solid	DI Leach	
880-22177-2	FS28	Soluble	Solid	DI Leach	
880-22177-3	FS29	Soluble	Solid	DI Leach	
880-22177-4	FS30	Soluble	Solid	DI Leach	

QC Association Summary

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22177-1
SDG: Lea County NM

HPLC/IC (Continued)

Leach Batch: 40956 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22177-5	FS31	Soluble	Solid	DI Leach	
880-22177-6	FS32	Soluble	Solid	DI Leach	
880-22177-7	FS33	Soluble	Solid	DI Leach	
880-22177-8	FS34	Soluble	Solid	DI Leach	
880-22177-9	FS35	Soluble	Solid	DI Leach	
880-22177-10	FS36	Soluble	Solid	DI Leach	
880-22177-11	FS37	Soluble	Solid	DI Leach	
880-22177-12	FS38	Soluble	Solid	DI Leach	
880-22177-13	FS39	Soluble	Solid	DI Leach	
880-22177-14	FS19	Soluble	Solid	DI Leach	
880-22177-15	FS20	Soluble	Solid	DI Leach	
880-22177-16	FS21	Soluble	Solid	DI Leach	
880-22177-17	FS22	Soluble	Solid	DI Leach	
MB 880-40956/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-40956/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-40956/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-22177-8 MS	FS34	Soluble	Solid	DI Leach	
880-22177-8 MSD	FS34	Soluble	Solid	DI Leach	

Analysis Batch: 41025

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22177-1	FS27	Soluble	Solid	300.0	40956
880-22177-2	FS28	Soluble	Solid	300.0	40956
880-22177-3	FS29	Soluble	Solid	300.0	40956
880-22177-4	FS30	Soluble	Solid	300.0	40956
880-22177-5	FS31	Soluble	Solid	300.0	40956
880-22177-6	FS32	Soluble	Solid	300.0	40956
880-22177-7	FS33	Soluble	Solid	300.0	40956
880-22177-8	FS34	Soluble	Solid	300.0	40956
880-22177-9	FS35	Soluble	Solid	300.0	40956
880-22177-10	FS36	Soluble	Solid	300.0	40956
880-22177-11	FS37	Soluble	Solid	300.0	40956
880-22177-12	FS38	Soluble	Solid	300.0	40956
880-22177-13	FS39	Soluble	Solid	300.0	40956
880-22177-14	FS19	Soluble	Solid	300.0	40956
880-22177-15	FS20	Soluble	Solid	300.0	40956
880-22177-16	FS21	Soluble	Solid	300.0	40956
880-22177-17	FS22	Soluble	Solid	300.0	40956
MB 880-40956/1-A	Method Blank	Soluble	Solid	300.0	40956
LCS 880-40956/2-A	Lab Control Sample	Soluble	Solid	300.0	40956
LCSD 880-40956/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	40956
880-22177-8 MS	FS34	Soluble	Solid	300.0	40956
880-22177-8 MSD	FS34	Soluble	Solid	300.0	40956

Lab Chronicle

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22177-1
SDG: Lea County NM

Client Sample ID: FS27
Date Collected: 11/29/22 09:00
Date Received: 12/01/22 11:17

Lab Sample ID: 880-22177-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			40910	MNR	EET MID	12/02/22 16:18
Total/NA	Analysis	8021B		1	41566	MNR	EET MID	12/13/22 00:58
Total/NA	Analysis	Total BTEX		1	41733	SM	EET MID	12/13/22 11:04
Total/NA	Analysis	8015 NM		1	41429	SM	EET MID	12/09/22 09:57
Total/NA	Prep	8015NM Prep			41226	DM	EET MID	12/07/22 09:28
Total/NA	Analysis	8015B NM		1	41315	SM	EET MID	12/08/22 12:56
Soluble	Leach	DI Leach			40956	SMC	EET MID	12/03/22 13:43
Soluble	Analysis	300.0		1	41025	CH	EET MID	12/06/22 15:04

Client Sample ID: FS28
Date Collected: 11/29/22 09:05
Date Received: 12/01/22 11:17

Lab Sample ID: 880-22177-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			40910	MNR	EET MID	12/02/22 16:18
Total/NA	Analysis	8021B		1	41566	MNR	EET MID	12/13/22 01:18
Total/NA	Analysis	Total BTEX		1	41733	SM	EET MID	12/13/22 11:04
Total/NA	Analysis	8015 NM		1	41429	SM	EET MID	12/09/22 09:57
Total/NA	Prep	8015NM Prep			41226	DM	EET MID	12/07/22 09:28
Total/NA	Analysis	8015B NM		1	41315	SM	EET MID	12/08/22 14:03
Soluble	Leach	DI Leach			40956	SMC	EET MID	12/03/22 13:43
Soluble	Analysis	300.0		1	41025	CH	EET MID	12/06/22 15:12

Client Sample ID: FS29
Date Collected: 11/29/22 09:10
Date Received: 12/01/22 11:17

Lab Sample ID: 880-22177-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			40910	MNR	EET MID	12/02/22 16:18
Total/NA	Analysis	8021B		1	41566	MNR	EET MID	12/13/22 01:39
Total/NA	Analysis	Total BTEX		1	41733	SM	EET MID	12/13/22 11:04
Total/NA	Analysis	8015 NM		1	41429	SM	EET MID	12/09/22 09:57
Total/NA	Prep	8015NM Prep			41226	DM	EET MID	12/07/22 09:28
Total/NA	Analysis	8015B NM		1	41315	SM	EET MID	12/08/22 14:25
Soluble	Leach	DI Leach			40956	SMC	EET MID	12/03/22 13:43
Soluble	Analysis	300.0		1	41025	CH	EET MID	12/06/22 15:36

Client Sample ID: FS30
Date Collected: 11/29/22 09:15
Date Received: 12/01/22 11:17

Lab Sample ID: 880-22177-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			40910	MNR	EET MID	12/02/22 16:18
Total/NA	Analysis	8021B		1	41566	MNR	EET MID	12/13/22 01:59
Total/NA	Analysis	Total BTEX		1	41733	SM	EET MID	12/13/22 11:04

Lab Chronicle

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22177-1
SDG: Lea County NM

Client Sample ID: FS30
Date Collected: 11/29/22 09:15
Date Received: 12/01/22 11:17

Lab Sample ID: 880-22177-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015 NM		1	41429	SM	EET MID	12/09/22 09:57
Total/NA	Prep	8015NM Prep			41226	DM	EET MID	12/07/22 09:28
Total/NA	Analysis	8015B NM		1	41315	SM	EET MID	12/08/22 14:47
Soluble	Leach	DI Leach			40956	SMC	EET MID	12/03/22 13:43
Soluble	Analysis	300.0		1	41025	CH	EET MID	12/06/22 15:44

Client Sample ID: FS31
Date Collected: 11/29/22 09:25
Date Received: 12/01/22 11:17

Lab Sample ID: 880-22177-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			40910	MNR	EET MID	12/02/22 16:18
Total/NA	Analysis	8021B		1	41566	MNR	EET MID	12/13/22 02:20
Total/NA	Analysis	Total BTEX		1	41733	SM	EET MID	12/13/22 11:04
Total/NA	Analysis	8015 NM		1	41429	SM	EET MID	12/09/22 09:57
Total/NA	Prep	8015NM Prep			41226	DM	EET MID	12/07/22 09:28
Total/NA	Analysis	8015B NM		1	41315	SM	EET MID	12/08/22 15:09
Soluble	Leach	DI Leach			40956	SMC	EET MID	12/03/22 13:43
Soluble	Analysis	300.0		1	41025	CH	EET MID	12/06/22 15:52

Client Sample ID: FS32
Date Collected: 11/29/22 09:30
Date Received: 12/01/22 11:17

Lab Sample ID: 880-22177-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			40910	MNR	EET MID	12/02/22 16:18
Total/NA	Analysis	8021B		1	41566	MNR	EET MID	12/13/22 02:40
Total/NA	Analysis	Total BTEX		1	41733	SM	EET MID	12/13/22 11:04
Total/NA	Analysis	8015 NM		1	41429	SM	EET MID	12/09/22 09:57
Total/NA	Prep	8015NM Prep			41226	DM	EET MID	12/07/22 09:28
Total/NA	Analysis	8015B NM		1	41315	SM	EET MID	12/08/22 15:32
Soluble	Leach	DI Leach			40956	SMC	EET MID	12/03/22 13:43
Soluble	Analysis	300.0		1	41025	CH	EET MID	12/06/22 16:01

Client Sample ID: FS33
Date Collected: 11/29/22 09:35
Date Received: 12/01/22 11:17

Lab Sample ID: 880-22177-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			40910	MNR	EET MID	12/02/22 16:18
Total/NA	Analysis	8021B		1	41566	MNR	EET MID	12/13/22 03:00
Total/NA	Analysis	Total BTEX		1	41733	SM	EET MID	12/13/22 11:04
Total/NA	Analysis	8015 NM		1	41429	SM	EET MID	12/09/22 09:57
Total/NA	Prep	8015NM Prep			41226	DM	EET MID	12/07/22 09:28
Total/NA	Analysis	8015B NM		1	41315	SM	EET MID	12/08/22 15:54

Lab Chronicle

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22177-1
SDG: Lea County NM

Client Sample ID: FS33
Date Collected: 11/29/22 09:35
Date Received: 12/01/22 11:17

Lab Sample ID: 880-22177-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			40956	SMC	EET MID	12/03/22 13:43
Soluble	Analysis	300.0		1	41025	CH	EET MID	12/06/22 16:09

Client Sample ID: FS34
Date Collected: 11/29/22 09:40
Date Received: 12/01/22 11:17

Lab Sample ID: 880-22177-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			40910	MNR	EET MID	12/02/22 16:18
Total/NA	Analysis	8021B		1	41566	MNR	EET MID	12/13/22 03:21
Total/NA	Analysis	Total BTEX		1	41733	SM	EET MID	12/13/22 11:04
Total/NA	Analysis	8015 NM		1	41429	SM	EET MID	12/09/22 09:57
Total/NA	Prep	8015NM Prep			41226	DM	EET MID	12/07/22 09:28
Total/NA	Analysis	8015B NM		1	41315	SM	EET MID	12/08/22 16:16
Soluble	Leach	DI Leach			40956	SMC	EET MID	12/03/22 13:43
Soluble	Analysis	300.0		1	41025	CH	EET MID	12/06/22 16:17

Client Sample ID: FS35
Date Collected: 11/29/22 10:20
Date Received: 12/01/22 11:17

Lab Sample ID: 880-22177-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			40910	MNR	EET MID	12/02/22 16:18
Total/NA	Analysis	8021B		1	41566	MNR	EET MID	12/13/22 03:41
Total/NA	Analysis	Total BTEX		1	41733	SM	EET MID	12/13/22 11:04
Total/NA	Analysis	8015 NM		1	41429	SM	EET MID	12/09/22 09:57
Total/NA	Prep	8015NM Prep			41226	DM	EET MID	12/07/22 09:28
Total/NA	Analysis	8015B NM		1	41315	SM	EET MID	12/08/22 16:38
Soluble	Leach	DI Leach			40956	SMC	EET MID	12/03/22 13:43
Soluble	Analysis	300.0		1	41025	CH	EET MID	12/06/22 16:41

Client Sample ID: FS36
Date Collected: 11/29/22 10:25
Date Received: 12/01/22 11:17

Lab Sample ID: 880-22177-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			40910	MNR	EET MID	12/02/22 16:18
Total/NA	Analysis	8021B		1	41566	MNR	EET MID	12/13/22 04:02
Total/NA	Analysis	Total BTEX		1	41733	SM	EET MID	12/13/22 11:04
Total/NA	Analysis	8015 NM		1	41429	SM	EET MID	12/09/22 09:57
Total/NA	Prep	8015NM Prep			41226	DM	EET MID	12/07/22 09:28
Total/NA	Analysis	8015B NM		1	41315	SM	EET MID	12/08/22 17:00
Soluble	Leach	DI Leach			40956	SMC	EET MID	12/03/22 13:43
Soluble	Analysis	300.0		1	41025	CH	EET MID	12/06/22 16:50

Lab Chronicle

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22177-1
SDG: Lea County NM

Client Sample ID: FS37
Date Collected: 11/29/22 10:30
Date Received: 12/01/22 11:17

Lab Sample ID: 880-22177-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			40910	MNR	EET MID	12/02/22 16:18
Total/NA	Analysis	8021B		1	41566	MNR	EET MID	12/13/22 05:51
Total/NA	Analysis	Total BTEX		1	41733	SM	EET MID	12/13/22 11:04
Total/NA	Analysis	8015 NM		1	41429	SM	EET MID	12/09/22 09:57
Total/NA	Prep	8015NM Prep			41226	DM	EET MID	12/07/22 09:28
Total/NA	Analysis	8015B NM		1	41315	SM	EET MID	12/08/22 17:45
Soluble	Leach	DI Leach			40956	SMC	EET MID	12/03/22 13:43
Soluble	Analysis	300.0		1	41025	CH	EET MID	12/06/22 17:14

Client Sample ID: FS38
Date Collected: 11/29/22 10:35
Date Received: 12/01/22 11:17

Lab Sample ID: 880-22177-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			40910	MNR	EET MID	12/02/22 16:18
Total/NA	Analysis	8021B		1	41566	MNR	EET MID	12/13/22 06:12
Total/NA	Analysis	Total BTEX		1	41733	SM	EET MID	12/13/22 11:04
Total/NA	Analysis	8015 NM		1	41429	SM	EET MID	12/09/22 09:57
Total/NA	Prep	8015NM Prep			41226	DM	EET MID	12/07/22 09:28
Total/NA	Analysis	8015B NM		1	41315	SM	EET MID	12/08/22 18:07
Soluble	Leach	DI Leach			40956	SMC	EET MID	12/03/22 13:43
Soluble	Analysis	300.0		1	41025	CH	EET MID	12/06/22 17:22

Client Sample ID: FS39
Date Collected: 11/29/22 10:55
Date Received: 12/01/22 11:17

Lab Sample ID: 880-22177-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			40910	MNR	EET MID	12/02/22 16:18
Total/NA	Analysis	8021B		1	41566	MNR	EET MID	12/13/22 06:32
Total/NA	Analysis	Total BTEX		1	41733	SM	EET MID	12/13/22 11:04
Total/NA	Analysis	8015 NM		1	41429	SM	EET MID	12/09/22 09:57
Total/NA	Prep	8015NM Prep			41226	DM	EET MID	12/07/22 09:28
Total/NA	Analysis	8015B NM		1	41315	SM	EET MID	12/08/22 18:29
Soluble	Leach	DI Leach			40956	SMC	EET MID	12/03/22 13:43
Soluble	Analysis	300.0		1	41025	CH	EET MID	12/06/22 17:30

Client Sample ID: FS19
Date Collected: 11/29/22 11:00
Date Received: 12/01/22 11:17

Lab Sample ID: 880-22177-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			40910	MNR	EET MID	12/02/22 16:18
Total/NA	Analysis	8021B		1	41566	MNR	EET MID	12/13/22 06:53
Total/NA	Analysis	Total BTEX		1	41733	SM	EET MID	12/13/22 11:04

Lab Chronicle

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22177-1
SDG: Lea County NM

Client Sample ID: FS19
Date Collected: 11/29/22 11:00
Date Received: 12/01/22 11:17

Lab Sample ID: 880-22177-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015 NM		1	41429	SM	EET MID	12/09/22 09:57
Total/NA	Prep	8015NM Prep			41226	DM	EET MID	12/07/22 09:28
Total/NA	Analysis	8015B NM		1	41315	SM	EET MID	12/08/22 18:50
Soluble	Leach	DI Leach			40956	SMC	EET MID	12/03/22 13:43
Soluble	Analysis	300.0		5	41025	CH	EET MID	12/06/22 17:38

Client Sample ID: FS20
Date Collected: 11/29/22 11:05
Date Received: 12/01/22 11:17

Lab Sample ID: 880-22177-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			40910	MNR	EET MID	12/02/22 16:18
Total/NA	Analysis	8021B		1	41566	MNR	EET MID	12/13/22 07:13
Total/NA	Analysis	Total BTEX		1	41733	SM	EET MID	12/13/22 11:04
Total/NA	Analysis	8015 NM		1	41429	SM	EET MID	12/09/22 09:57
Total/NA	Prep	8015NM Prep			41226	DM	EET MID	12/07/22 09:28
Total/NA	Analysis	8015B NM		1	41315	SM	EET MID	12/08/22 19:12
Soluble	Leach	DI Leach			40956	SMC	EET MID	12/03/22 13:43
Soluble	Analysis	300.0		1	41025	CH	EET MID	12/06/22 17:46

Client Sample ID: FS21
Date Collected: 11/29/22 11:10
Date Received: 12/01/22 11:17

Lab Sample ID: 880-22177-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			40910	MNR	EET MID	12/02/22 16:18
Total/NA	Analysis	8021B		1	41566	MNR	EET MID	12/13/22 07:34
Total/NA	Analysis	Total BTEX		1	41733	SM	EET MID	12/13/22 11:04
Total/NA	Analysis	8015 NM		1	41429	SM	EET MID	12/09/22 09:57
Total/NA	Prep	8015NM Prep			41226	DM	EET MID	12/07/22 09:28
Total/NA	Analysis	8015B NM		1	41315	SM	EET MID	12/08/22 19:33
Soluble	Leach	DI Leach			40956	SMC	EET MID	12/03/22 13:43
Soluble	Analysis	300.0		5	41025	CH	EET MID	12/06/22 17:55

Client Sample ID: FS22
Date Collected: 11/29/22 11:15
Date Received: 12/01/22 11:17

Lab Sample ID: 880-22177-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			40910	MNR	EET MID	12/02/22 16:18
Total/NA	Analysis	8021B		1	41566	MNR	EET MID	12/13/22 07:54
Total/NA	Analysis	Total BTEX		1	41733	SM	EET MID	12/13/22 11:04
Total/NA	Analysis	8015 NM		1	41429	SM	EET MID	12/09/22 09:57
Total/NA	Prep	8015NM Prep			41226	DM	EET MID	12/07/22 09:28
Total/NA	Analysis	8015B NM		1	41315	SM	EET MID	12/08/22 19:55

Lab Chronicle

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22177-1
SDG: Lea County NM

Client Sample ID: FS22
Date Collected: 11/29/22 11:15
Date Received: 12/01/22 11:17

Lab Sample ID: 880-22177-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			40956	SMC	EET MID	12/03/22 13:43
Soluble	Analysis	300.0		1	41025	CH	EET MID	12/06/22 18:03

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22177-1
SDG: Lea County NM

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	T104704400-22-24	06-30-23

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: Leamex 8 Battery

Job ID: 880-22177-1
SDG: Lea County NM

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

Laboratory References:

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

Sample Summary

Client: Ensolum
Project/Site: Leamex 8 Battery

Job ID: 880-22177-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-22177-1	FS27	Solid	11/29/22 09:00	12/01/22 11:17	4'
880-22177-2	FS28	Solid	11/29/22 09:05	12/01/22 11:17	4'
880-22177-3	FS29	Solid	11/29/22 09:10	12/01/22 11:17	4'
880-22177-4	FS30	Solid	11/29/22 09:15	12/01/22 11:17	4'
880-22177-5	FS31	Solid	11/29/22 09:25	12/01/22 11:17	4'
880-22177-6	FS32	Solid	11/29/22 09:30	12/01/22 11:17	4'
880-22177-7	FS33	Solid	11/29/22 09:35	12/01/22 11:17	4'
880-22177-8	FS34	Solid	11/29/22 09:40	12/01/22 11:17	4'
880-22177-9	FS35	Solid	11/29/22 10:20	12/01/22 11:17	4'
880-22177-10	FS36	Solid	11/29/22 10:25	12/01/22 11:17	4'
880-22177-11	FS37	Solid	11/29/22 10:30	12/01/22 11:17	4'
880-22177-12	FS38	Solid	11/29/22 10:35	12/01/22 11:17	4'
880-22177-13	FS39	Solid	11/29/22 10:55	12/01/22 11:17	4'
880-22177-14	FS19	Solid	11/29/22 11:00	12/01/22 11:17	4'
880-22177-15	FS20	Solid	11/29/22 11:05	12/01/22 11:17	4'
880-22177-16	FS21	Solid	11/29/22 11:10	12/01/22 11:17	4'
880-22177-17	FS22	Solid	11/29/22 11:15	12/01/22 11:17	4'

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: 22177

www.xenco.com Page 1 of 2

Project Manager	KALEI JENNINGS	Bill to (if different)	
Company Name	ENSOLUM, LLC	Company Name	
Address	601 N MARIENFELD ST. SUITE 400	Address	
City State ZIP	MIDLAND TX, 79701	City State ZIP	
Phone	817 683 2503	Email	kjennings@ensolum.com

Work Order Comments

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

Project Name	Leamex 8 Battery	Turn Around	
Project Number	03D 20570 18	☒ Routine ☐ Rush	
Project Location	Lea County, NM	Due Date	
Sampler's Name	Conner Shore	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		T_NM.007
Cooler Custody Seals	Yes No N/A	Correction Factor		
Sample Custody Seals	Yes No N/A	Temperature Reading		3.2
Total Containers.		Corrected Temperature		

Preservative Codes

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Chlorides	TPH	BTEX	Sample Comments
FS27	S	11/29/22	0900	4'	C	1	X	X	X	
FS28			0905							
FS29			0910							
FS30			0915							
FS31			0925							
FS32			0930							
FS33			0935							
FS34			0940							
FS35			1020							
FS36			1025							

880-22177 Chain of Custody

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		12/1/22 11:17	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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: _____

www.xenco.com Page 2 of 2

Project Manager	See pg 1	Bill to. (if different)	
Company Name		Company Name	
Address		Address	
City State ZIP		City State ZIP	
Phone	Email		

Work Order Comments

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

Project Name	LEHMEX 8 BATTERY	Turn Around	
Project Number	03D 2057018	☑ Routine ☐ Rush	
Project Location	LEA COUNTY NM	Due Date	
Sampler's Name	Conner Shore	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	T-NM-007	
Cooler Custody Seals.	Yes No N/A	Correction Factor		
Sample Custody Seals:	Yes No N/A	Temperature Reading	3.2	
Total Containers.		Corrected Temperature		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Chlorides	TPH	BTEX
FS37	S	11/29/22	1030	4'	C	1	X	X	X
FS38			1035						
FS39			1055						
FS40			1100						
FS41			1105						
FS42			1110						
FS43			1115						

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

Loc: 880
22177

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		12/1/22 11.17	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev 2020.2

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 880-22177-1
SDG Number: Lea County NM

Login Number: 22177
List Number: 1
Creator: Kramer, Jessica

List Source: Eurofins Midland

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Kalei Jennings
Ensolum
601 N. Marienfeld St.
Suite 400
Midland, Texas 79701

Generated 12/19/2022 4:34:57 PM

JOB DESCRIPTION

LEAMEX 8
SDG NUMBER NM

JOB NUMBER

880-22643-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

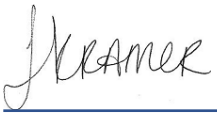
my EOL

Eurofins Midland

Job Notes

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
12/19/2022 4:34:57 PM

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

Client: Ensolum
Project/Site: LEAMEX 8

Laboratory Job ID: 880-22643-1
SDG: NM

Table of Contents

Definitions/Glossary

Client: Ensolum Job ID: 880-22643-1
Project/Site: LEAMEX 8 SDG: NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
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
Project/Site: LEAMEX 8

Job ID: 880-22643-1
SDG: NM

Job ID: 880-22643-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-22643-1

Receipt
The sample was received on 12/13/2022 1:28 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.6°C

Receipt Exceptions
The following sample was received and analyzed from an unpreserved bulk soil jar: SW23 (880-22643-1).

GC VOA
Method 8021B: Surrogate recovery for the following sample was outside control limits: SW23 (880-22643-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

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

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-42015 and analytical batch 880-42050 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: Ensolum
Project/Site: LEAMEX 8

Job ID: 880-22643-1
SDG: NM

Client Sample ID: SW23

Date Collected: 12/13/22 11:20
Date Received: 12/13/22 13:28
Sample Depth: 0-4

Lab Sample ID: 880-22643-1

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		12/14/22 12:07	12/15/22 04:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/14/22 12:07	12/15/22 04:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/14/22 12:07	12/15/22 04:14	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/14/22 12:07	12/15/22 04:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/14/22 12:07	12/15/22 04:14	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/14/22 12:07	12/15/22 04:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*61*	*S1-*	*70 - 130*	*12/14/22 12:07*	*12/15/22 04:14*	*1*
1,4-Difluorobenzene (Surr)	*71*		*70 - 130*	*12/14/22 12:07*	*12/15/22 04:14*	*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			12/15/22 11:43	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			12/14/22 16:09	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/13/22 15:25	12/14/22 10:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/13/22 15:25	12/14/22 10:51	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/13/22 15:25	12/14/22 10:51	1
Total TPH	<50.0	U	50.0		mg/Kg		12/13/22 15:25	12/14/22 10:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*12/13/22 15:25*	*12/14/22 10:51*	*1*
o-Terphenyl	*103*		*70 - 130*	*12/13/22 15:25*	*12/14/22 10:51*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**36.5**		4.96		mg/Kg			12/19/22 16:54	1

Surrogate Summary

Client: Ensolum
Project/Site: LEAMEX 8

Job ID: 880-22643-1
SDG: NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)											
		BFB1	DFBZ1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
880-22643-1	SW23	61 S1-	71										
LCS 880-41806/1-A	Lab Control Sample	101	93										
LCSD 880-41806/2-A	Lab Control Sample Dup	98	90										
MB 880-41731/5-A	Method Blank	102	91										
MB 880-41806/5-A	Method Blank	106	89										

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)										
880-22643-1	SW23	106	103										
880-22643-1 MS	SW23	87	81										
880-22643-1 MSD	SW23	103	94										
LCS 880-41766/2-A	Lab Control Sample	110	113										
LCSD 880-41766/3-A	Lab Control Sample Dup	99	108										
MB 880-41766/1-A	Method Blank	119	109										

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum
Project/Site: LEAMEX 8

Job ID: 880-22643-1
SDG: NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-41731/5-A
Matrix: Solid
Analysis Batch: 41784

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 41731

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/13/22 10:59	12/14/22 11:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/13/22 10:59	12/14/22 11:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/13/22 10:59	12/14/22 11:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/13/22 10:59	12/14/22 11:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/13/22 10:59	12/14/22 11:03	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/13/22 10:59	12/14/22 11:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*12/13/22 10:59*	*12/14/22 11:03*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*12/13/22 10:59*	*12/14/22 11:03*	*1*

Lab Sample ID: MB 880-41806/5-A
Matrix: Solid
Analysis Batch: 41784

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 41806

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/14/22 12:07	12/15/22 00:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/14/22 12:07	12/15/22 00:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/14/22 12:07	12/15/22 00:47	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/14/22 12:07	12/15/22 00:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/14/22 12:07	12/15/22 00:47	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/14/22 12:07	12/15/22 00:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*12/14/22 12:07*	*12/15/22 00:47*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*12/14/22 12:07*	*12/15/22 00:47*	*1*

Lab Sample ID: LCS 880-41806/1-A
Matrix: Solid
Analysis Batch: 41784

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 41806

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09412		mg/Kg		94	70 - 130		
Toluene			0.100	0.08842		mg/Kg		88	70 - 130		
Ethylbenzene			0.100	0.08747		mg/Kg		87	70 - 130		
m-Xylene & p-Xylene			0.200	0.1891		mg/Kg		95	70 - 130		
o-Xylene			0.100	0.09641		mg/Kg		96	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: LCSD 880-41806/2-A
Matrix: Solid
Analysis Batch: 41784

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 41806

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09763		mg/Kg		98	70 - 130	4	35

QC Sample Results

Client: Ensolum
Project/Site: LEAMEX 8

Job ID: 880-22643-1
SDG: NM

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

Lab Sample ID: LCSD 880-41806/2-A
Matrix: Solid
Analysis Batch: 41784

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 41806

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.08943		mg/Kg		89	70 - 130	1	35
Ethylbenzene			0.100	0.08734		mg/Kg		87	70 - 130	0	35
m-Xylene & p-Xylene			0.200	0.1864		mg/Kg		93	70 - 130	1	35
o-Xylene			0.100	0.09479		mg/Kg		95	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

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

Lab Sample ID: MB 880-41766/1-A
Matrix: Solid
Analysis Batch: 41774

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 41766

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		12/13/22 15:25	12/14/22 08:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/13/22 15:25	12/14/22 08:16	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/13/22 15:25	12/14/22 08:16	1
Total TPH	<50.0	U	50.0		mg/Kg		12/13/22 15:25	12/14/22 08:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*12/13/22 15:25*	*12/14/22 08:16*	*1*
o-Terphenyl	*109*		*70 - 130*	*12/13/22 15:25*	*12/14/22 08:16*	*1*

Lab Sample ID: LCS 880-41766/2-A
Matrix: Solid
Analysis Batch: 41774

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 41766

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10			1000	870.8		mg/Kg		87	70 - 130
Diesel Range Organics (Over C10-C28)			1000	786.9		mg/Kg		79	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*110*		*70 - 130*
o-Terphenyl	*113*		*70 - 130*

Lab Sample ID: LCSD 880-41766/3-A
Matrix: Solid
Analysis Batch: 41774

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 41766

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	867.5		mg/Kg		87	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	744.5		mg/Kg		74	70 - 130	6	20

QC Sample Results

Client: Ensolum
Project/Site: LEAMEX 8

Job ID: 880-22643-1
SDG: NM

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	108		70 - 130

Lab Sample ID: 880-22643-1 MS — **Client Sample ID: SW23**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 41774 — **Prep Batch: 41766**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	895.1		mg/Kg		90	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	999	852.8		mg/Kg		82	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	87		70 - 130
o-Terphenyl	81		70 - 130

Lab Sample ID: 880-22643-1 MSD — **Client Sample ID: SW23**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 41774 — **Prep Batch: 41766**

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	<50.0	U	997	1032		mg/Kg		104	70 - 130	14	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	996.3		mg/Kg		97	70 - 130	16	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	94		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-42015/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 42050

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			12/19/22 15:19	1

Lab Sample ID: LCS 880-42015/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 42050

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride			250	273.6		mg/Kg		109	90 - 110

Lab Sample ID: LCSD 880-42015/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 42050

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	274.6		mg/Kg		110	90 - 110	0	20

Eurofins Midland

QC Association Summary

Client: Ensolum
Project/Site: LEAMEX 8

Job ID: 880-22643-1
SDG: NM

GC VOA

Prep Batch: 41731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-41731/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 41784

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22643-1	SW23	Total/NA	Solid	8021B	41806
MB 880-41731/5-A	Method Blank	Total/NA	Solid	8021B	41731
MB 880-41806/5-A	Method Blank	Total/NA	Solid	8021B	41806
LCS 880-41806/1-A	Lab Control Sample	Total/NA	Solid	8021B	41806
LCSD 880-41806/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	41806

Prep Batch: 41806

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22643-1	SW23	Total/NA	Solid	5035	
MB 880-41806/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-41806/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-41806/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 41917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22643-1	SW23	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 41766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22643-1	SW23	Total/NA	Solid	8015NM Prep	
MB 880-41766/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-41766/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-41766/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-22643-1 MS	SW23	Total/NA	Solid	8015NM Prep	
880-22643-1 MSD	SW23	Total/NA	Solid	8015NM Prep	

Analysis Batch: 41774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22643-1	SW23	Total/NA	Solid	8015B NM	41766
MB 880-41766/1-A	Method Blank	Total/NA	Solid	8015B NM	41766
LCS 880-41766/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	41766
LCSD 880-41766/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	41766
880-22643-1 MS	SW23	Total/NA	Solid	8015B NM	41766
880-22643-1 MSD	SW23	Total/NA	Solid	8015B NM	41766

Analysis Batch: 41851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22643-1	SW23	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 42015

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22643-1	SW23	Soluble	Solid	DI Leach	
MB 880-42015/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-42015/2-A	Lab Control Sample	Soluble	Solid	DI Leach	

QC Association Summary

Client: Ensolum
Project/Site: LEAMEX 8

Job ID: 880-22643-1
SDG: NM

HPLC/IC (Continued)

Leach Batch: 42015 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-42015/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 42050

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22643-1	SW23	Soluble	Solid	300.0	42015
MB 880-42015/1-A	Method Blank	Soluble	Solid	300.0	42015
LCS 880-42015/2-A	Lab Control Sample	Soluble	Solid	300.0	42015
LCSD 880-42015/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	42015

Lab Chronicle

Client: Ensolum
Project/Site: LEAMEX 8

Job ID: 880-22643-1
SDG: NM

Client Sample ID: SW23

Date Collected: 12/13/22 11:20
Date Received: 12/13/22 13:28

Lab Sample ID: 880-22643-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			41806	MNR	EET MID	12/14/22 12:07
Total/NA	Analysis	8021B		1	41784	MNR	EET MID	12/15/22 04:14
Total/NA	Analysis	Total BTEX		1	41917	SM	EET MID	12/15/22 11:43
Total/NA	Analysis	8015 NM		1	41851	SM	EET MID	12/14/22 16:09
Total/NA	Prep	8015NM Prep			41766	DM	EET MID	12/13/22 15:25
Total/NA	Analysis	8015B NM		1	41774	SM	EET MID	12/14/22 10:51
Soluble	Leach	DI Leach			42015	KS	EET MID	12/19/22 10:41
Soluble	Analysis	300.0		1	42050	CH	EET MID	12/19/22 16:54

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum
Project/Site: LEAMEX 8

Job ID: 880-22643-1
SDG: NM

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	T104704400-22-24	06-30-23

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
8015B NM	8015NM Prep	Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Ensolum
Project/Site: LEAMEX 8

Job ID: 880-22643-1
SDG: NM

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	MCAWW	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

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Ensolum
Project/Site: LEAMEX 8

Job ID: 880-22643-1
SDG: NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-22643-1	SW23	Solid	12/13/22 11:20	12/13/22 13:28	0-4

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: 22643

www.xenco.com Page 1 of 1

Project Manager	KALEI JENNINGS	Bill to (if different)	KALEI JENNINGS
Company Name	Ensolum, LLC	Company Name	ENSOLUM
Address	601 N Marienfeld St Suite 400	Address.	
City, State ZIP	Midland, TX 79701	City, State ZIP	
Phone.	917-683-2503 Email	Hgreen@ensolum.com; kjennings@ensolum.com	

Work Order Comments

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

Project Name:	LEAMEX 9	Turn Around	
Project Number	03D2057018	☐ Routine ☒ Rush	
Project Location.	NM	Due Date	24 HR
Sampler's Name.	HADLIE GREEN	TAT starts the day received by the lab, if received by 4 30pm	
PO #:	03D2057018		

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID	IR2
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-.30
Sample Custody Seals.	Yes No (N/A)	Temperature Reading:	5.9
Total Containers:		Corrected Temperature	5.6

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	TPH 8021	BTEX 8015	CHLORIDE 300
SW23	SL	12-13-22	1120	0-4	C	1		X	X	X

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

1-4oz

Incident Number

880-22643 Chain of Custody

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 Hadlie Green		12/13/22 1328	2		
3			4		
5			6		

Revised Date 08/25/2020 Rev 2020.2

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 880-22643-1
SDG Number: NM

Login Number: 22643
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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	

ENSOLUM

APPENDIX C

Referenced Well Records

ENSOLUM

Sample Name: BH01	Date: 12.13.22
Site Name: LEAMEX 8	
Incident Number:	
Job Number:	
Logged By: CS/DN	Method: AIR ROTARY
Hole Diameter:	Total Depth: 120'

LITHOLOGIC / SOIL SAMPLING LOG

Coordinates:

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.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						10		CALICHE WELL GRADED M-Coarse grained no staining no odor
						20		SAND TAN M-fine grained poorly graded, no stain no odor
						30		~~SSA~~ SAA. Darker tan color.
						40		SAA
						50		Sand white-gray. M-fine grained Well graded w/ large caliche grains No stain, no odor.
						60		Sand orange tan. M-fine grained Poorly graded. No Stain. no odor.
						70		SAA
						80		SAA
						90		SAA
						100		SAA
						110		SAA
						120		TD 120'

ENSOLUM

APPENDIX D

Final C-141

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	NAPP2200641724
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	ConocoPhillips	OGRID	217817
Contact Name	Kelsy Waggaman	Contact Telephone	(432) 688 - 9057
Contact email	Kelsy.Waggaman@ConocoPhillips.com	Incident # *(assigned by OCD)*	NAPP2200641724
Contact mailing address	600 West Illinois Avenue, Midland, Texas 79701		

Location of Release Source

Latitude 32.816111 Longitude -103.621202

(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Leamex 8	Site Type	FlowLine
Date Release Discovered	December 20, 2021	API# *(if applicable)*	

Unit Letter	Section	Township	Range	County
M	24	17S	33E	Lea

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

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 104	Volume Recovered (bbls) 100
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☒ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

The release was caused by a Main Injection Line Underground Leak. The release occurred off pad. ConocoPhillips will have the spill area evaluated for any possible impact from the release.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2200641724
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? The volume released was greater than 25 barrels.

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
Immediate notification was given by Kelsy Waggaman via email December 21, 2021 at 11:34 AM to spills@slo.state.nm.us and ocd.enviro@state.nm.us.

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.
- ☒ The impacted area has been secured to protect human health and the environment.
- ☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- ☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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.

Printed Name: Brittany N. Esparza Title: Environmental Technician

Signature: Brittany Esparza Date: 1/6/2022

email: Brittany.Esparza@ConocoPhillips.com Telephone: (432) 221-0398

OCD Only

Received by: Ramona Marcus Date: 1/6/2022

L48 Spill Volume Estimate Form

NAPP2200641724

Facility Name & Number:	Leamex 8 Battery Injection Line
Asset Area:	Maljamar
Release Discovery Date & Time:	12/20/2021 10:00
Release Type:	Produced Water
Provide any known details about the event:	Main Injection Line Underground Leak

Spill Calculation - Subsurface Spill - Rectangle

Was the release on pad or off-pad?	See reference table below
Has it rained at least a half inch in the last 24 hours?	See reference table below

Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Depth (in.)	Soil Spilled-Fluid Saturation	Estimated volume of each area (bbl.)	Total Estimated Volume of Spill (bbl.)
Rectangle A	74.0	5.0	0.50	15.32%	2.744	0.420
Rectangle B	83.0	32.0	0.50	15.32%	19.699	3.018
Rectangle C	95.0	19.0	0.50	15.32%	13.387	2.051
Rectangle D	64.0	53.0	4.00	15.32%	201.259	30.833
Rectangle E	240.0	25.0	0.50	15.32%	44.500	6.817
Rectangle F					0.000	0.000
Rectangle G					0.000	0.000
Rectangle H					0.000	0.000
Rectangle I					0.000	0.000
Rectangle J					0.000	0.000
					Total Volume Release:	43.139

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 70854
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rmarcus	None	1/6/2022

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2200641724
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	>100 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☒ Yes ☐ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: ***Each of the following items must be included in the report.***

☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
☒ Field data
☒ Data table of soil contaminant concentration data
☒ Depth to water determination
☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
☒ Boring or excavation logs
☒ Photographs including date and GIS information
☒ Topographic/Aerial maps
☒ Laboratory data including chain of custody

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2200641724
District RP	
Facility ID	
Application ID	

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.

Printed Name: ___Bryce Wagoner_____ Title: __Permian HSE Specialist II_____

Signature:_____ Date: __12/20/2022_____

email: _Bryce.Wagoner@mavresources.com _____ Telephone: ___928-241-1862_____

OCD Only

Received by: _____Jocelyn Harimon_____ Date: 12/20/2022

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2200641724
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

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

☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Bryce Wagoner Title: Permian HSE Specialist II

Signature: Date: 12/20/2022

email: Bryce.Wagoner@mavresources.com Telephone: 928-241-1862

OCD Only

Received by: Jocelyn Harimon Date: 12/20/2022

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

Closure Approved by: Jennifer Nobui Date: 01/17/2023

Printed Name: Jennifer Nobui Title: Environmental Specialist A

ENSOLUM

APPENDIX E

NMOCD Notifications

From: Enviro, OCD, EMNRD
To: Kalei Jennings
Cc: Bratcher, Michael, EMNRD; Nobui, Jennifer, EMNRD
Subject: RE: [EXTERNAL] Maverick- Sampling Notification (Week of 11/14/2022)
Date: Monday, November 14, 2022 9:23:25 AM
Attachments: image005.jpg
image006.png
image007.png
image008.png
image009.png

[**EXTERNAL EMAIL**]

Please be aware that notification requirements are **two business days**, per rule. Please proceed on your schedule. Also, please include this, and all correspondence, in the closure report to insure inclusion in the project file.

Jocelyn Harimon ● Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
http:// **www.emnrd.nm.gov**

From: Kalei Jennings <kjennings@ensolum.com>
Sent: Thursday, November 10, 2022 5:34 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Subject: [EXTERNAL] Maverick- Sampling Notification (Week of 11/14/2022)

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

All,

On behalf of Maverick Natural Resources, LLC we respectfully submit notification of sampling to be conducted at the below locations the week of 11/14/2022.

Leamex 8 / Incident Number NAPP2200641724
Ruby Federal / Incident Number NAPP2231448981

Thank you,

Kalei Jennings
Senior Scientist
817-683-2503
Ensolum, LLC

From: Enviro, OCD, EMNRD
To: Kalei Jennings
Cc: Nobui, Jennifer, EMNRD; Bratcher, Michael, EMNRD
Subject: RE: [EXTERNAL] Maverick- Sampling Notification (Week of 11/28/2022)
Date: Wednesday, November 23, 2022 3:34:36 PM
Attachments: image005.jpg
image006.png
image007.png
image008.png
image009.png

[**EXTERNAL EMAIL**]

Please be aware that notification requirements are **two business days**, per rule. Please proceed on your schedule. Also, please include this, and all correspondence, in the closure report to insure inclusion in the project file.

Many thanks and happy holidays!

Jocelyn Harimon ● Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
http:// **www.emnrd.nm.gov**

From: Kalei Jennings <kjennings@ensolum.com>
Sent: Wednesday, November 23, 2022 1:23 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Subject: [EXTERNAL] Maverick- Sampling Notification (Week of 11/28/2022)

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

All,

On behalf of Maverick Natural Resources, LLC we respectfully submit notification of sampling to be conducted at the below location the week of 11/28/2022.

Leamex 8 / Incident Number NAPP2200641724
Leamex 018 / Incident Number NAPP2229947721

Thank you,

Kalei Jennings
Senior Scientist
817-683-2503
Ensolum, LLC

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 168912

CONDITIONS

Operator: Maverick Permian LLC 1111 Bagby Street Suite 1600 Houston, TX 77002	OGRID: 331199
	Action Number: 168912
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	1/17/2023