ENSOLUM

April 15, 2024

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
Baish B Battery
Incident Number NAPP2235372941
Lea County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Maverick Permian, LLC (Maverick), has prepared this *Closure Request* as a follow-up to the *Remediation Work Plan* (Work Plan) submitted to the New Mexico Oil Conservation Division (NMOCD) on July 13, 2023, and approved by NMOCD on October 6, 2023. This *Closure Request* documents assessment, excavation, and soil sampling activities performed at the Baish B Battery (Site) to address impacts to soil resulting from a release of crude oil. Based on the remediation activities completed as outlined in the approved *Work Plan*, Maverick is submitting this *Closure Request*, describing remediation that has occurred and requesting closure for Incident Number NAPP2235372941.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit K, Section 22, Township 17 South, Range 32 East, in Lea County, New Mexico (32.817358°, -103.754432°) and is associated with oil and gas exploration and production operations on Federal land managed by the Bureau of Land Management (BLM).

On November 30, 2022, approximately 7.4 barrels (bbls) of crude oil were released onto the well pad and adjacent pasture. No released fluids were recovered. Maverick reported the release to the NMOCD on a Release Notification Form C-141 (Form C-141) on December 19, 2022. The release was assigned Incident Number NAPP2235372941.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess the applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization are summarized below and detailed in the NMOCD permitting portal Form C-141 Site Characterization section. Potential Site receptors are identified on Figure 1.

Depth to groundwater at the Site was determined to be between 51 and 100 feet below ground surface (bgs). The closest groundwater well/soil boring with depth to groundwater data is soil boring DTW 01, drilled at the Site during March 2024. Groundwater was encountered in the soil boring at a depth of 53 feet bgs. A field geologist logged and described soil continuously. The borehole lithologic log is included

in Appendix A. The borehole was properly abandoned using hydrated bentonite chips. All wells used for depth to groundwater determination are presented on Figure 1.

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

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

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

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.

SITE ASSESSMENT AND DELINEATION ACTIVITIES

Between January 2023 and April 2024, assessment activities were conducted at the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. Assessment soil samples SS01 through SS14 were collected within and around the release from a depth of 0.5 feet bgs to assess the extent of the surface release. The release extent and assessment soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation was completed during the Site visit and a photographic log is included in Appendix B.

The 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 or Cardinal Laboratories for analysis of the following constituents of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0 or Standard Method SM4500.

Laboratory analytical results for assessment soil samples SS01, SS02, and SS09, collected within the release extent, indicated that TPH concentrations exceeded the Site Closure Criteria. Laboratory analytical results for assessment soil samples SS03 through SS08 and SS10 through SS14, collected around the release extent, indicated all COC concentrations were compliant with the most stringent Table I Closure Criteria and defined the lateral extent of the surface release. The laboratory analytical results are summarized in Table 1. Based on the laboratory analytical results, additional assessment activities were warranted to delineate the vertical extent of the release.

During January and February 2024, Ensolum personnel were at the Site to complete additional assessment activities to delineate the vertical extent of the release. Potholes PH01 and PH02 and boreholes BH01 and BH02 were advanced via backhoe or hand auger to depths ranging from 3 feet to 5 feet bgs. Soil from the potholes and boreholes was field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. Field screening results and observations for the potholes and boreholes were logged on lithologic soil sampling logs, which are included in Appendix C. Delineation soil samples were collected from each pothole and borehole at depths ranging from 1-foot to 5 feet bgs. The soil samples were collected, handled, and analyzed as described above.

Laboratory analytical results for the delineation samples collected from potholes PH01 and PH02 and boreholes BH01 and BH02 indicated all COC concentrations were compliant with the most stringent Table I Closure Criteria and defined the vertical extent of the release. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included as Appendix D.

EXCAVATION ACTIVITIES

Between January 2023 and February 2024, Ensolum personnel were at the Site to oversee excavation of impacted soil as outlined in the approved *Work Plan*. To direct excavation activities, soil was field screened for VOCs and chloride. Excavation activities were performed utilizing a hydrovac, hand shovels, track-mounted backhoe and transport vehicles. The excavation was completed to depths ranging from 0.5 feet to 4.25 feet bgs.

Following removal of impacted soil, 5-point composite soil samples were collected every 200 square feet from the floor and sidewalls of the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples FS01 through FS25, FS01A, FS07A, and FS15A were collected from the floor of the excavation at depths ranging from 0.5 feet to 4.25 feet bgs. Composite soil samples SW01 through SW11 were collected from the sidewalls of the excavation at depths ranging from the ground surface to 4 feet bgs. The excavation soil samples were handled and analyzed following the same procedures as described above. The excavation extent and excavation soil sample locations were mapped utilizing a handheld GPS and are presented on Figure 3. Photographic documentation was completed during the Site visits and a photographic log is included in Appendix B.

Laboratory analytical results for excavation floor samples FS01A, FS02 through FS06, FS07A, FS08 through FS14, FS15A, and FS16 through FS25 and excavation sidewall samples SW01 through SW11, collected from the final excavation extent, indicated all COC concentrations were compliant with the Site Closure Criteria and reclamation requirements, where applicable. Laboratory analytical results for excavation floor samples FS01, FS07, and FS15 initially exceeded the reclamation requirements for TPH; additional soil was removed from these areas and subsequent floor samples FS01A, FS07A, and FS15A were compliant. Laboratory analytical results are summarized on Table 1 and the complete laboratory analytical reports are included as Appendix D.

The excavation measured approximately 5,000 square feet in areal extent. A total of approximately 700 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the R360 Disposal Facility located in Hobbs, New Mexico.

RECLAMATION ACTIVITIES

Upon completion of excavation activities and receipt of final laboratory analytical results, the excavation was backfilled and the area was restored to its original condition. The excavation area on-pad was backfilled with caliche, the pasture excavation was backfilled with locally procured topsoil. Following backfill activities, the disturbed area was graded and contoured to match the surrounding topography.

One representative 5-point composite sample (BF01) was collected from the backfill material. The backfill soil sample was handled and analyzed following the same procedures as described above. Laboratory analytical results for the backfill soil sample confirmed compliance with the NMOCD requirement for the reclaimed area to contain non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg and TPH concentrations less than 100 mg/kg. The laboratory analytical results are summarized in the attached Table 1 and the complete laboratory analytical report is included as Appendix D. Any soil remaining in place on the active well pad that is compliant with the Site Closure Criteria but exceeds reclamation requirements of NMAC 19.15.29.13.D (1) will be removed during plugging and abandonment of the well and final reclamation of the well pad.

The disturbed pasture area was seeded with the BLM seed mix #2 at the rate specified in pounds of pure live seed (PLS) per acre.

Species/Cultivar	PLS/Acre
Sand dropseed (Sporobolus cryptandrus)	1.0
Sand love grass (Eragrostis trichodes)	1.0
Plains bristlegrass (Setaria macrostachya)	2.0

The seed mix was distributed with a broadcast seed spreader and harrowed in. Photographs of the reclaimed excavation area are provided in Appendix B.

The Site will be monitored for vegetation growth to ensure that reclamation activities were successful. Focus for this phase will be to prevent erosion and site degradation, and to monitor for and treat invasive and noxious weed species.

- Erosion control of the newly reclaimed areas includes prompt revegetation and contouring of the surface to prevent concentrated surface water flow.
- Annual inspections will take place at the location to assess revegetation progress until vegetation is consistent with local natural vegetation density.
- If necessary, an additional application of the BLM seed mix will be applied.
- Noxious and invasive weeds will be identified and treated by licensed contracted herbicide applicator or mechanically removed.

A *Revegetation Report* will be submitted to the NMOCD once vegetation growth in the reclaimed pasture area has uniform vegetative cover that reflects a life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds, per NMAC 19.15.29.13 D.(3).

CLOSURE REQUEST

As outlined in the approved *Work Plan*, assessment and excavation activities were conducted at the Site to address the November 30, 2022, release of crude oil. Laboratory analytical results for the excavation soil samples, collected from the final excavation extent, indicated all COC concentrations were compliant with the Site Closure Criteria and reclamation requirements, where applicable. Additionally, the release was laterally and vertically delineated to below the most stringent Table I Closure Criteria. Based on confirmed depth to groundwater between 51 feet and 100 feet bgs, and excavation and soil sampling activities completed as outlined in the approved Work Plan, no further remediation is required.

Excavation of impacted soil has mitigated impacts at this Site. Maverick believes the remedial actions completed are protective of human health, the environment, and groundwater and respectfully requests closure for Incident NAPP2235372941.

If you have any questions or comments, please contact Ms. Aimee Cole at (720) 384-7365 or acole@ensolum.com.

Sincerely,
Ensolum, LLC

Hadlie Green
Project Geologist

Aimee Cole
Senior Managing Scientist

cc: Bryce Wagoner, Maverick Natural Resources

Appendices:

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

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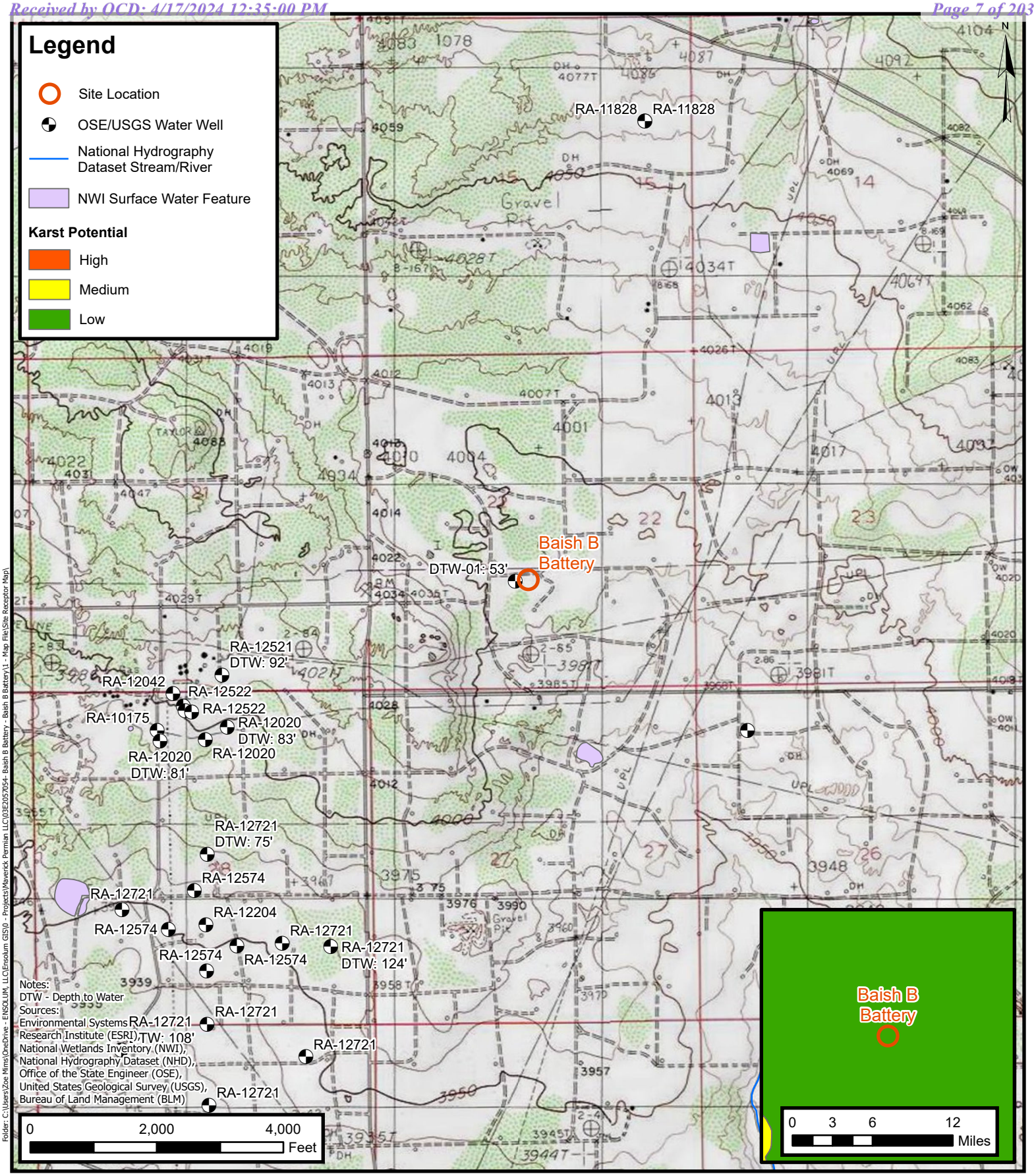
FIGURES



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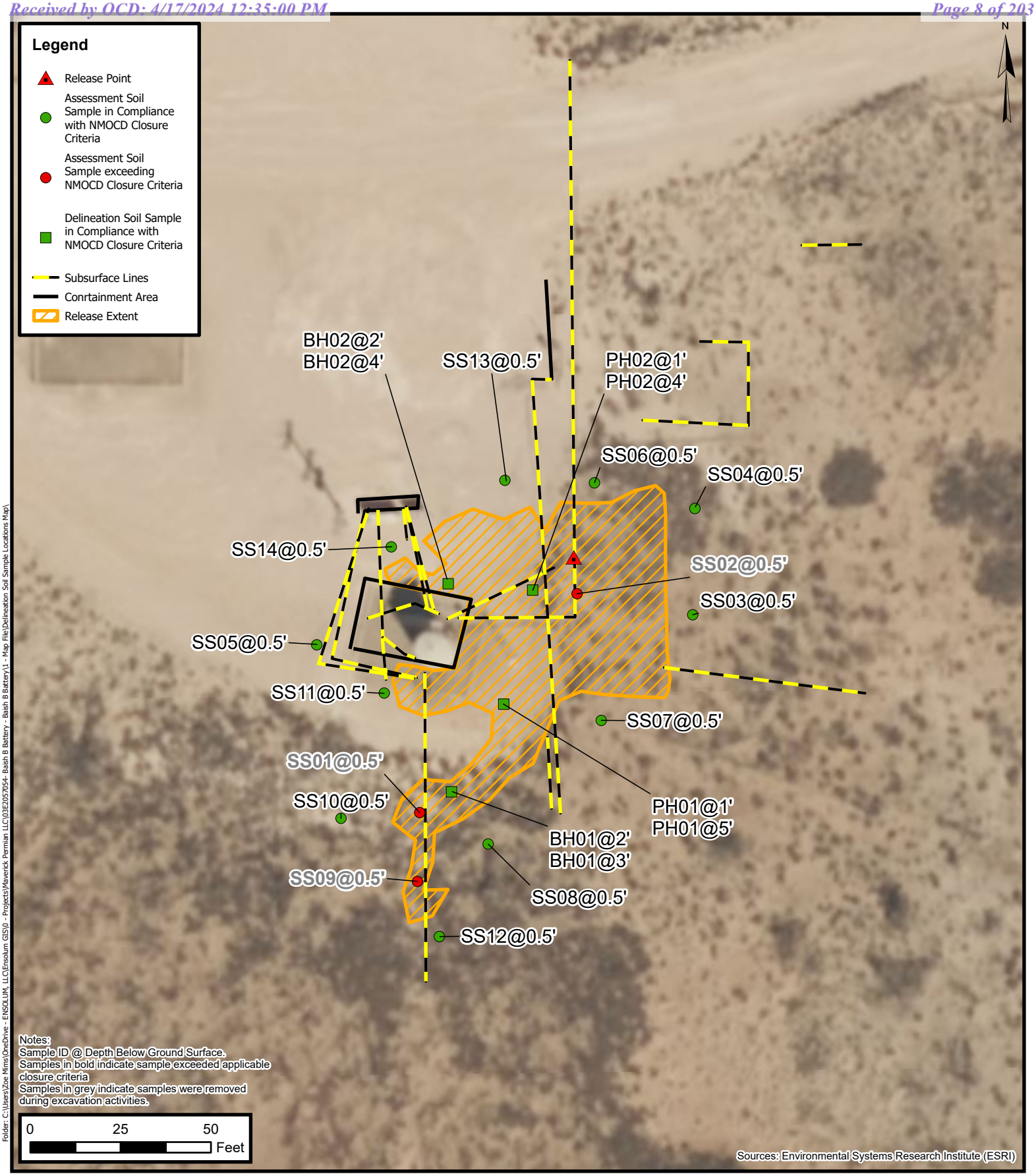
Site Receptor Map

Maverick Permian, LLC
Baish B Battery
Incident Number: NAPP2235372941
Unit K, Section 22, T17S, R32E
Lea County, New Mexico

FIGURE 1



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Assessment and Delineation Soil Sample Locations

Maverick Permian, LLC
Baish B Battery
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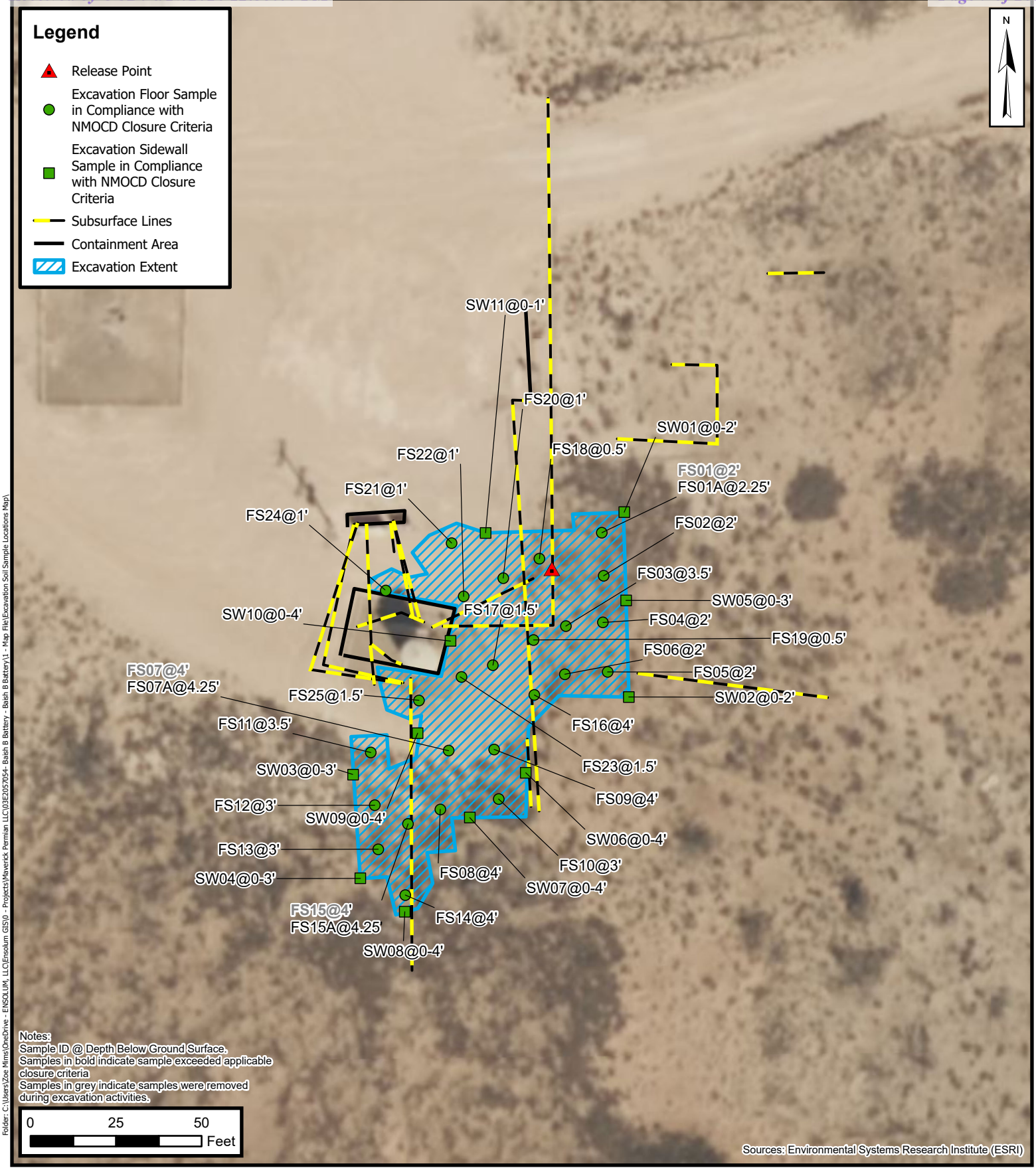
Unit K, Section 22, T17S, R32E
Lea County, New Mexico

FIGURE 2



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Excavation Soil Sample Locations

Maverick Permian, LLC
Baish B Battery
Incident Number: NAPP2235372941
Unit K, Section 22, T17S, R32E
Lea County, New Mexico

FIGURE 3

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TABLE

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Baish B Battery
Maverick Permian, LLC
Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
Assessment Soil Samples										
SS01	1/9/2023	0.5	<0.201	17.7	1,820	754	<49.9	**2,574**	**2,570**	99.8
SS02	1/9/2023	0.5	<0.199	<0.398	9,810	376	<249	**10,186**	**10,200**	123
SS03	1/9/2023	0.5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	55.8
SS04	1/9/2023	0.5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	44.6
SS05	1/9/2023	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	67.7
SS06	1/9/2023	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	44.8
SS07	1/9/2023	0.5	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	48.8
SS08	1/9/2023	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	46.3
SS09	1/29/2024	0.5	<0.050	<0.300	<10.0	234	173	234	**407**	32.0
SS10	1/29/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SS11	1/31/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SS12	2/1/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS13	4/11/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SS14	4/11/2024	0.5	<0.050	<0.300	<10.0	61.7	32.8	61.7	95	32.0
Delieneation Soil Samples										
PH01	1/25/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
PH01	1/25/2024	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
PH02	1/29/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
PH02	1/29/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
BH01	2/8/2024	2	<0.050	<0.300	<10.0	46.0	<10.0	46.0	46.0	144
BH01	2/8/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
BH02	2/8/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
BH02	2/8/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0

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NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
Excavation Floor Soil Samples										
FS01*	2/27/2023	2	<0.00198	<0.00396	<49.9	104	<49.9	**104**	**104**	53.7
FS01A*	8/3/2023	2.25	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS02*	2/27/2023	2	<0.00199	<0.00398	<49.9	55.6	<49.9	55.6	55.6	60.2
FS03*	2/27/2023	3.5	<0.00201	0.490	<50.0	<50.0	<50.0	<50.0	<50.0	55.2
FS04*	2/28/2023	2	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	69.3
FS05*	2/28/2023	2	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	43.1
FS06*	2/28/2023	2	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	54.0
FS07*	3/1/2023	4	<0.00198	<0.00396	<49.9	146	<49.9	146	**146**	106
FS07A	8/3/2023	4.25	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS08*	3/1/2023	4	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	74.9
FS09*	3/1/2023	4	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	305
FS10*	2/28/2023	3	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	61.9
FS11*	3/1/2023	3.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	158
FS12*	3/1/2023	3	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	128
FS13*	3/1/2023	3	<0.00201	<0.00402	70.6	<50.0	<50.0	<50.0	70.6	82.4
FS14	1/25/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS15	1/26/2024	4	<0.050	<0.300	<10.0	**213**	44.3	213	257	16.0
FS15A	1/31/2024	4.25	<0.050	<0.300	<10.0	158	45.7	158	204	112
FS16	1/29/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS17	1/30/2024	1.5	<0.050	<0.300	<10.0	17.9	<10.0	17.9	17.9	112

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NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
FS18*	1/31/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS19	1/31/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS20	1/31/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	752
FS21	1/31/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS22	1/31/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
FS23	2/1/2024	1.5	<0.050	<0.300	11.6	582	87.4	594	681	544
FS24	2/1/2024	1	<0.050	<0.300	<10.0	63.7	14.3	63.7	78.0	304
FS25	2/1/2024	1.5	<0.050	<0.300	<10.0	255	70.9	255	326	672
Excavation Sidewall Soil Samples										
SW01*	2/27/2023	0 - 2	<0.00202	<0.00403	66.7	<50.0	<50.0	<50.0	66.7	36.7
SW02*	2/28/2023	0 - 2	<0.00199	<0.00398	64.7	<50.0	<50.0	<50.0	64.7	51.8
SW03*	3/1/2023	0 - 3	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	80.8
SW04*	3/1/2023	0 - 3	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	88.4
SW05*	2/1/2024	0 - 3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW06*	3/1/2023	0 - 4	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	42.3
SW07*	3/1/2023	0 - 4	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	69.3
SW08*	1/25/2024	0 - 4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SW09	1/30/2024	0 - 4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW10	1/30/2024	0 - 4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SW11	2/1/2024	0 - 1	<0.050	<0.300	<10.0	14.2	<10.0	14.2	14.2	336

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NMOCD Table I Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**1,000**	**2,500**	**10,000**
Backfill Soil Sample										
BF01	4/10/2024	-	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

NA: Not Analyzed

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

Grey text represents samples that have been excavated

** indicates sample was collected in area to be reclaimed after remediation is complete; reclamation requirement in the top 4 feet is 600 mg/kg for chloride and 100 mg/kg for TPH.*

*Concentrations in **bold** exceed the NMOCD Table 1 Closure Criteria or reclamation standard where applicable.*

ENSOLUM

APPENDIX A

Referenced Well Records

ENSOLUM

Sample Name: DTW-01	Date: 03/04/2024	
Site Name: Baish B Battery		
Incident Number: nAPP2235372941		
Job Number: 03E2057054		
LITHOLOGIC / SOIL SAMPLING LOG	Logged By:	Method: Air Rotary
Coordinates: 32.817349, -103.755083	Hole Diameter: 6"	Total Depth: 55'

Comments:No field screening or sampling was conducted at this site. Groundwater encountered at 53 feet below ground surface.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D					0	0	SW	0-15' Sand: Tan to light brown, fine to very fine grain size, subrounded subangular, well graded, dry, massive
D					10	10		
D					20	20	SW-SC	15-25' Sand w/ trc Red Clay: fine to very fine, dry, non-plastic, noncohesive, massive, uniform, gradational,
D					30	30	SC	25-35' Red clay w/ some sand: very fine, dry, low-plasticity, cohesive, massive, uniform, gradational.
							SC	35-37' Intrebedded red and grey clay w/ some sand: very fine, dry, low-plasticity, cohesive, massive, uniform, gradational
D					40	40	SC	40-45' Red to med brown clay w/ trc sand: very fine, dry, low-plasticity, cohesive, massive, uniform, gradational
D					50	50	SC	45-52' Red to Lt red clay w/ trc sand: very fine, dry, low-plasticity, cohesive, massive, uniform, abrupt
							Gyp	52' Gypsum Layer: White, dry, thickly bedded
D					55	55	SC	Depth to groundwater 53' 52-55' Red to lt red clayw/ trc sand: very fine, low-plasticity, cohesive, massive, uniform, abrupt

Total Depth @ 55' bgs.

New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	RA 12521 POD1	3	3	4	21	17S	32E	615127	3631271

Driller License:	1456	**Driller Company:**	WHITE DRILLING COMPANY		
Driller Name:	WHITE, JOHN W				
Drill Start Date:	07/21/2017	**Drill Finish Date:**	07/26/2017	**Plug Date:**	
Log File Date:	08/22/2017	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	2.00	**Depth Well:**	105 feet	**Depth Water:**	92 feet

Water Bearing Stratifications:	Top	Bottom	Description
	85	101	Sandstone/Gravel/Conglomerate
	101	105	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	75	105

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

STATE ENGINEER OFFICE
SANTA FE, NEW MEXICO
2017 AUG 22 PM 2:55

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
MW-24 POD1		RA-12521

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Phillips 66	918-914-3846

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
420 S Keeler Ave. (1708-01 Phillips Building)	Bartlesville	OK	74003

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	48	48.32	N
	LONGITUDE	103	46	13.21	W

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

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

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD-1456	John W. White	White Drilling Company, Inc.

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
07/21/2017	07/26/2017	105.0		92.0

COMPLETED WELL IS: ☐ ARTESIAN ☐ DRY HOLE ☑ SHALLOW (UNCONFINED)
STATIC WATER LEVEL IN COMPLETED WELL (FT): 92.0

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

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

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0.0	75.0	7 7/8	Sch. 40 PVC Riser	Threads	2.0	1/4"	
75.0	105.0	7 7/8	Sch. 40 PVC Screen	Threads	2.0	1/4"	.020

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
0.0	65.0	7 7/8	Portland Grout	8 Bags	Pump Mix w/Tremmie Pi
65.0	72.0	7 7/8	Bentonite Chips	2 Bags	Hand Mix
72.0	105.0	7 7/8	8/16 Sand	13 Bags	Hand Mix

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 06/30/17)

FILE NO. RA-12521	POD NO. 1	TRN NO. 609310	
LOCATION 17S.32E.21.433		WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES **(attach supplemental sheets to fully describe all units)**	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0.0	1.0	1	Base Caliche	Y ✓ N	
1.0	7.0	6	Brown Sand	Y ✓ N	
7.0	10.0	3	Reddish brown clayey sand	Y ✓ N	
10.0	18.0	8.0	Light brown sand/sandstone	Y ✓ N	
18.0	34.0	16.0	Reddish brown sand/sandstone	Y ✓ N	
34.0	40.0	6.0	Dark reddish brown silty shale HC odor @ 39'	Y ✓ N	
40.0	42.0	2.0	Reddish brown and brown sandstone	Y ✓ N	
42.0	49.0	7.0	Reddish brown silty shale	Y ✓ N	
49.0	53.0	4.0	Greenish gray sand/sandstone	Y ✓ N	
53.0	70.0	17.0	Purple brown silty sandstone	Y ✓ N	
70.0	85.0	15.0	Light brown sand/sandstone	Y ✓ N	
85.0	101.0	16.0	Green gray silty sandstone Damp @ 86'	✓ Y N	
101.0	105.0	4.0	Gray silty sandstone/shale	✓ Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

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

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

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

MISCELLANEOUS INFORMATION: Hydrocarbon present in soil

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

William B. Atkins

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:

SIGNATURE OF DRILLER / PRINT SIGNEE NAME

8/8/2017

DATE

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/2017)

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

ENSOLUM

APPENDIX B

Photographic Log

ENSOLUM

Photographic Log
Maverick Permian, LLC
Baish B Battery
NAPP2235372941

Photograph 1 Date: 12/1/2022
Description: View of release area

Photograph 2 Date: 3/1/2023
Description: Excavation activities
View: North

Photograph 3 Date: 3/2/2023
Description: Excavation activities
View: South

Photograph 4 Date: 3/2/2023
Description: Excavation activities
View: Southwest

ENSOLUM

Photographic Log
Maverick Permian, LLC
Baish B Battery
NAPP2235372941

Photograph 5 Date: 1/25/2024
Description Excavation activities
View: Northeast

Photograph 6 Date: 1/26/2024
Description: Delineation activities
View: Southeast

Photograph 7 Date: 1/29/2024
Description Excavation activities
View: Northeast

Photograph 8 Date: 3/4/2024
Description: Depth to Water Boring
View: East

ENSOLUM

Photographic Log
Maverick Permian, LLC
Baish B Battery
NAPP2235372941

Photograph 9 Date: 4/10/2024
Description Backfilled excavation
View: Northeast

Photograph 10 Date: 4/10/2024
Description: Backfilled excavation
View: West

Photograph 11 Date: 4/10/2024
Description Backfilled excavation
View: West

Photograph 12 Date: 4/10/2024
Description: Backfilled excavation
View: Northwest

ENSOLUM

APPENDIX C

Lithologic Soil Sampling Logs

ENSOLUM

	Sample Name: PH01	Date: 1/25/24
	Site Name: Baish B Battery	
	Incident Number: NAPP2235372941	
	Job Number: 03E2057054	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Ronni Hayes	Method: Hand auger
Coordinates: 32.8172972, -103.7546760	Hole Diameter: ~3"	Total Depth: 5 ft bgs

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		
Moist	<156.8	0.1	N			0.5	SW-SM	SAND, loose, light to med brown, vf-med grain, nonplastic, noncohesive, uniform, alluvial, no odor
Moist	<156.8	0.2	N	PH01	1	1	SAA	SAA
Moist	<156.8	0.0	N			2	SAA	SAA
Moist	<156.8	0.1	N			3	SAA	SAA
Moist	<156.8	0.3	N			4	SAA	SAA
Moist	<156.8	0.0	N	PH01	5	5	SW-SC	SAND-CLAY MIX, transition, light red to tan, loose, gradational to gray clay, cohesive, poorly sorted, vf-coarse grain
								TD at 5 ft bgs

ENSOLUM

	Sample Name: PH02	Date: 1/29/24
	Site Name: Baish B Battery	
	Incident Number: NAPP2235372941	
	Job Number: 03E2057054	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Ronni Hayes	Method: Hand auger
Coordinates: 32.8173554, -103.7546712	Hole Diameter: ~3"	Total Depth: 4 ft bgs

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		
Moist	<156.8	0.4	N			0.5	SW-SM	SAND, loose, light to med brown, vf-med grain, nonplastic, noncohesive, uniform, alluvial, no odor
Moist	<156.8	0.2	N	PH02	1	1	SAA	SAA
Moist	<156.8	0.1	N			2	SAA	SAA
Moist	<156.8	0.2	N			3	SAA	SAA
Moist	<156.8	0.0	N	PH02	4	4	SAA	SAA, color change to light brown
								TD at 4 ft bgs

ENSOLUM

	Sample Name: BH01	Date: 02/08/2024
	Site Name: Baish B Batery	
	Incident Number: nAPP2235372941	
	Job Number: 03E2057054	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Chad Hamilton	Method: Hand Auger
Coordinates:	Hole Diameter: 3"	Total Depth: 3'

Comments: Field screening conducted with HACH Chloride Test Strips and PetroFLG for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		
						1		
D	<168	275	N	BH01	2	2	SW-SC	Sand, Loose, Red in color, medium to fine grain size, non-plastic, dry, noncohesive, massive, uniform, alluvial
D	168		N	BH01	3	3	SW-SC	Sand, Loose, Red in color, medium to fine grain size, non-plastic, dry, noncohesive, massive, uniform, alluvial

Total Depth @ 3 ft bgs.

ENSOLUM

	Sample Name: BH02	Date: 02/09/2024
	Site Name: Baish B Batery	
	Incident Number: nAPP2235372941	
	Job Number: 03E2057054	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Chad Hamilton	Method: Hand Auger
Coordinates:	Hole Diameter: 3"	Total Depth: 4'

Comments: Field screening conducted with HACH Chloride Test Strips and PetroFLAG for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		
						1		
D	<168	17	N	BH02	2	2	SW-SC	Sand, Loose, Red in color, medium to fine grain size, non-plastic, dry, noncohesive, massive, uniform, alluvial
M	<168		N	BH02	3	3	SW-SC	Sand with some clay, medium density, mix of red and grey in color, medium to very fine grain size, non-plastic, moist, noncohesive, massive, uniform, alluvial, gradiational
M	<168			BH02	4	4	SW-SC	Sand with some clay, medium density, mix of grey in color, medium to very fine grain size, low plastic, moist, cohesive, massive, uniform, alluvial

Total Depth @ 4 ft bgs.

ENSOLUM

APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Hadlie Green
Ensolum
601 N. Marienfeld St.
Suite 400
Midland, Texas 79701

Generated 1/25/2023 3:17:52 PM

JOB DESCRIPTION

Baish B Battery
SDG NUMBER Lea County NM

JOB NUMBER

890-3806-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

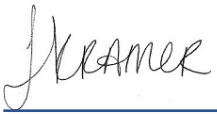
my EOL

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



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1/25/2023 3:17:52 PM

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

Client: Ensolum
Project/Site: Baish B Battery

Laboratory Job ID: 890-3806-1
SDG: Lea County NM

Table of Contents

Definitions/Glossary

Client: Ensolum
Project/Site: Baish B Battery

Job ID: 890-3806-1
SDG: Lea County NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
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
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: Baish B Battery

Job ID: 890-3806-1
SDG: Lea County NM

Job ID: 890-3806-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-3806-1

Receipt
The samples were received on 1/10/2023 9:05 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 20.6°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: SS01 (890-3806-1), SS02 (890-3806-2), SS03 (890-3806-3) and SS04 (890-3806-4).

GC VOA
Method 8021B: The following sample was diluted due to the nature of the sample matrix: SS02 (890-3806-2). Elevated reporting limits (RLs) are provided.

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: SS01 (890-3806-1), SS02 (890-3806-2) and (MB 880-43869/1-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.

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-43791 and analytical batch 880-43930 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: Baish B Battery

Job ID: 890-3806-1
SDG: Lea County NM

Client Sample ID: SS01

Lab Sample ID: 890-3806-1
Matrix: Solid

Date Collected: 01/09/23 12:35
Date Received: 01/10/23 09:05
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.201	U	0.201		mg/Kg		01/13/23 08:16	01/14/23 10:55	100
Toluene	**1.57**		0.201		mg/Kg		01/13/23 08:16	01/14/23 10:55	100
Ethylbenzene	**2.89**		0.201		mg/Kg		01/13/23 08:16	01/14/23 10:55	100
m-Xylene & p-Xylene	**9.28**		0.402		mg/Kg		01/13/23 08:16	01/14/23 10:55	100
o-Xylene	**3.96**		0.201		mg/Kg		01/13/23 08:16	01/14/23 10:55	100
Xylenes, Total	**13.2**		0.402		mg/Kg		01/13/23 08:16	01/14/23 10:55	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*01/13/23 08:16*	*01/14/23 10:55*	*100*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*01/13/23 08:16*	*01/14/23 10:55*	*100*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**17.7**		0.402		mg/Kg			01/25/23 16:06	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**2570**		49.9		mg/Kg			01/16/23 16:39	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	**754**		49.9		mg/Kg		01/13/23 08:39	01/16/23 04:21	1
Diesel Range Organics (Over C10-C28)	**1820**		49.9		mg/Kg		01/13/23 08:39	01/16/23 04:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/13/23 08:39	01/16/23 04:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*133*	*S1+*	*70 - 130*	*01/13/23 08:39*	*01/16/23 04:21*	*1*
o-Terphenyl	*119*		*70 - 130*	*01/13/23 08:39*	*01/16/23 04:21*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**99.8**		4.99		mg/Kg			01/14/23 09:10	1

Client Sample ID: SS02

Lab Sample ID: 890-3806-2
Matrix: Solid

Date Collected: 01/09/23 13:50
Date Received: 01/10/23 09:05
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.199	U	0.199		mg/Kg		01/13/23 08:16	01/14/23 11:16	100
Toluene	<0.199	U	0.199		mg/Kg		01/13/23 08:16	01/14/23 11:16	100
Ethylbenzene	<0.199	U	0.199		mg/Kg		01/13/23 08:16	01/14/23 11:16	100
m-Xylene & p-Xylene	<0.398	U	0.398		mg/Kg		01/13/23 08:16	01/14/23 11:16	100
o-Xylene	**0.204**		0.199		mg/Kg		01/13/23 08:16	01/14/23 11:16	100
Xylenes, Total	<0.398	U	0.398		mg/Kg		01/13/23 08:16	01/14/23 11:16	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*01/13/23 08:16*	*01/14/23 11:16*	*100*

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
Project/Site: Baish B Battery

Job ID: 890-3806-1
SDG: Lea County NM

Client Sample ID: SS02

Lab Sample ID: 890-3806-2
Matrix: Solid
Date Collected: 01/09/23 13:50
Date Received: 01/10/23 09:05
Sample Depth: 0.5

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*01/13/23 08:16*	*01/14/23 11:16*	*100*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.398	U	0.398	mg/Kg			01/25/23 16:06	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**10200**		249	mg/Kg			01/16/23 16:39	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	**376**		249	mg/Kg		01/13/23 08:39	01/16/23 03:17	5
Diesel Range Organics (Over C10-C28)	**9810**		249	mg/Kg		01/13/23 08:39	01/16/23 03:17	5
OII Range Organics (Over C28-C36)	<249	U	249	mg/Kg		01/13/23 08:39	01/16/23 03:17	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*73*		*70 - 130*	*01/13/23 08:39*	*01/16/23 03:17*	*5*
o-Terphenyl	*224*	*S1+*	*70 - 130*	*01/13/23 08:39*	*01/16/23 03:17*	*5*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**123**		5.01	mg/Kg			01/14/23 09:16	1

Client Sample ID: SS03

Lab Sample ID: 890-3806-3
Matrix: Solid
Date Collected: 01/09/23 12:45
Date Received: 01/10/23 09:05
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/13/23 08:16	01/14/23 08:08	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/13/23 08:16	01/14/23 08:08	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/13/23 08:16	01/14/23 08:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		01/13/23 08:16	01/14/23 08:08	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/13/23 08:16	01/14/23 08:08	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/13/23 08:16	01/14/23 08:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*01/13/23 08:16*	*01/14/23 08:08*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*01/13/23 08:16*	*01/14/23 08:08*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/25/23 16:06	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/16/23 16:39	1

Client Sample Results

Client: Ensolum
Project/Site: Baish B Battery

Job ID: 890-3806-1
SDG: Lea County NM

Client Sample ID: SS03

Lab Sample ID: 890-3806-3
Matrix: Solid
Date Collected: 01/09/23 12:45
Date Received: 01/10/23 09:05
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/13/23 08:39	01/15/23 22:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/13/23 08:39	01/15/23 22:16	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/13/23 08:39	01/15/23 22:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*01/13/23 08:39*	*01/15/23 22:16*	*1*
o-Terphenyl	*98*		*70 - 130*	*01/13/23 08:39*	*01/15/23 22:16*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**55.8**		4.97		mg/Kg			01/14/23 09:22	1

Client Sample ID: SS04

Lab Sample ID: 890-3806-4
Matrix: Solid
Date Collected: 01/09/23 12:50
Date Received: 01/10/23 09:05
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/13/23 08:16	01/14/23 08:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/13/23 08:16	01/14/23 08:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/13/23 08:16	01/14/23 08:29	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/13/23 08:16	01/14/23 08:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/13/23 08:16	01/14/23 08:29	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/13/23 08:16	01/14/23 08:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*01/13/23 08:16*	*01/14/23 08:29*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*01/13/23 08:16*	*01/14/23 08:29*	*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			01/25/23 16:06	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/16/23 16:39	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		01/13/23 08:39	01/15/23 22:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/13/23 08:39	01/15/23 22:37	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/13/23 08:39	01/15/23 22:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*118*		*70 - 130*	*01/13/23 08:39*	*01/15/23 22:37*	*1*
o-Terphenyl	*117*		*70 - 130*	*01/13/23 08:39*	*01/15/23 22:37*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Baish B Battery

Job ID: 890-3806-1
SDG: Lea County NM

Client Sample ID: SS04

Date Collected: 01/09/23 12:50
Date Received: 01/10/23 09:05
Sample Depth: 0.5

Lab Sample ID: 890-3806-4

Matrix: Solid

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44.6		4.98		mg/Kg			01/14/23 09:28	1

Surrogate Summary

Client: Ensolum
Project/Site: Baish B Battery

Job ID: 890-3806-1
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)										
890-3806-1	SS01	117	102										
890-3806-2	SS02	99	111										
890-3806-3	SS03	100	111										
890-3806-4	SS04	120	99										
890-3819-A-1-D MS	Matrix Spike	95	100										
890-3819-A-1-E MSD	Matrix Spike Duplicate	105	101										
LCS 880-43868/1-A	Lab Control Sample	100	95										
LCSD 880-43868/2-A	Lab Control Sample Dup	95	96										
MB 880-43747/5-A	Method Blank	99	86										
MB 880-43868/5-A	Method Blank	100	90										

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)										
890-3792-A-1-E MS	Matrix Spike	81	81										
890-3792-A-1-F MSD	Matrix Spike Duplicate	97	82										
890-3806-1	SS01	133 S1+	119										
890-3806-2	SS02	73	224 S1+										
890-3806-3	SS03	95	98										
890-3806-4	SS04	118	117										
LCS 880-43869/2-A	Lab Control Sample	113	105										
LCSD 880-43869/3-A	Lab Control Sample Dup	116	108										
MB 880-43869/1-A	Method Blank	158 S1+	167 S1+										

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum
Project/Site: Baish B Battery

Job ID: 890-3806-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-43747/5-A
Matrix: Solid
Analysis Batch: 43877

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43747

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/11/23 13:33	01/13/23 16:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/11/23 13:33	01/13/23 16:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/11/23 13:33	01/13/23 16:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/11/23 13:33	01/13/23 16:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/11/23 13:33	01/13/23 16:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/11/23 13:33	01/13/23 16:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*01/11/23 13:33*	*01/13/23 16:30*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*01/11/23 13:33*	*01/13/23 16:30*	*1*

Lab Sample ID: MB 880-43868/5-A
Matrix: Solid
Analysis Batch: 43877

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43868

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/13/23 08:16	01/14/23 03:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/13/23 08:16	01/14/23 03:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/13/23 08:16	01/14/23 03:14	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/13/23 08:16	01/14/23 03:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/13/23 08:16	01/14/23 03:14	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/13/23 08:16	01/14/23 03:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*01/13/23 08:16*	*01/14/23 03:14*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*01/13/23 08:16*	*01/14/23 03:14*	*1*

Lab Sample ID: LCS 880-43868/1-A
Matrix: Solid
Analysis Batch: 43877

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43868

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1038		mg/Kg		104	70 - 130		
Toluene			0.100	0.09662		mg/Kg		97	70 - 130		
Ethylbenzene			0.100	0.1080		mg/Kg		108	70 - 130		
m-Xylene & p-Xylene			0.200	0.1989		mg/Kg		99	70 - 130		
o-Xylene			0.100	0.1040		mg/Kg		104	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: LCSD 880-43868/2-A
Matrix: Solid
Analysis Batch: 43877

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 43868

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1034		mg/Kg		103	70 - 130	0	35

QC Sample Results

Client: Ensolum
Project/Site: Baish B Battery

Job ID: 890-3806-1
SDG: Lea County NM

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

Lab Sample ID: LCSD 880-43868/2-A
Matrix: Solid
Analysis Batch: 43877

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 43868

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.09614		mg/Kg		96	70 - 130	0	35
Ethylbenzene			0.100	0.1036		mg/Kg		104	70 - 130	4	35
m-Xylene & p-Xylene			0.200	0.1896		mg/Kg		95	70 - 130	5	35
o-Xylene			0.100	0.09875		mg/Kg		99	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: 890-3819-A-1-D MS
Matrix: Solid
Analysis Batch: 43877

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 43868

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.0998	0.1043		mg/Kg		105	70 - 130
Toluene	<0.00201	U	0.0998	0.09540		mg/Kg		96	70 - 130
Ethylbenzene	<0.00201	U	0.0998	0.1017		mg/Kg		102	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1879		mg/Kg		94	70 - 130
o-Xylene	<0.00201	U	0.0998	0.09643		mg/Kg		97	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 890-3819-A-1-E MSD
Matrix: Solid
Analysis Batch: 43877

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 43868

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.101	0.08686		mg/Kg		86	70 - 130	18	35
Toluene	<0.00201	U	0.101	0.08178		mg/Kg		81	70 - 130	15	35
Ethylbenzene	<0.00201	U	0.101	0.09122		mg/Kg		90	70 - 130	11	35
m-Xylene & p-Xylene	<0.00402	U	0.202	0.1709		mg/Kg		85	70 - 130	9	35
o-Xylene	<0.00201	U	0.101	0.08906		mg/Kg		88	70 - 130	8	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

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

Lab Sample ID: MB 880-43869/1-A
Matrix: Solid
Analysis Batch: 43945

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43869

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/13/23 08:39	01/15/23 19:47	1

QC Sample Results

Client: Ensolum
Project/Site: Baish B Battery

Job ID: 890-3806-1
SDG: Lea County NM

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

Lab Sample ID: MB 880-43869/1-A
Matrix: Solid
Analysis Batch: 43945

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43869

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/13/23 08:39	01/15/23 19:47	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/13/23 08:39	01/15/23 19:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*158*	*S1+*	*70 - 130*	*01/13/23 08:39*	*01/15/23 19:47*	*1*
o-Terphenyl	*167*	*S1+*	*70 - 130*	*01/13/23 08:39*	*01/15/23 19:47*	*1*

Lab Sample ID: LCS 880-43869/2-A
Matrix: Solid
Analysis Batch: 43945

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43869

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	850.0		mg/Kg		85	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	958.3		mg/Kg		96	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*113*		*70 - 130*
o-Terphenyl	*105*		*70 - 130*

Lab Sample ID: LCSD 880-43869/3-A
Matrix: Solid
Analysis Batch: 43945

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 43869

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	969.8		mg/Kg		97	70 - 130	13	20
Diesel Range Organics (Over C10-C28)			1000	903.3		mg/Kg		90	70 - 130	6	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*116*		*70 - 130*
o-Terphenyl	*108*		*70 - 130*

Lab Sample ID: 890-3792-A-1-E MS
Matrix: Solid
Analysis Batch: 43945

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 43869

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	895.8		mg/Kg		87	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	998	895.5		mg/Kg		87	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*81*		*70 - 130*
o-Terphenyl	*81*		*70 - 130*

QC Sample Results

Client: Ensolum
Project/Site: Baish B Battery

Job ID: 890-3806-1
SDG: Lea County NM

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

Lab Sample ID: 890-3792-A-1-F MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 43945 — **Prep Batch: 43869**

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	<49.9	U	997	959.7		mg/Kg		93	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	<49.9	U	997	917.4		mg/Kg		89	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*97*		*70 - 130*
o-Terphenyl	*82*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-43791/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 43930

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			01/14/23 06:23	1

Lab Sample ID: LCS 880-43791/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 43930

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	271.6		mg/Kg		109	90 - 110

Lab Sample ID: LCS 880-43791/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 43930

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	270.6		mg/Kg		108	90 - 110

Lab Sample ID: 890-3798-A-1-C MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 43930

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	149	F1	250	455.7	F1	mg/Kg		123	90 - 110

Lab Sample ID: 890-3798-A-1-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 43930

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	149	F1	250	453.0	F1	mg/Kg		122	90 - 110	1	20

QC Association Summary

Client: Ensolum
Project/Site: Baish B Battery

Job ID: 890-3806-1
SDG: Lea County NM

GC VOA

Prep Batch: 43747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-43747/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 43868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3806-1	SS01	Total/NA	Solid	5035	
890-3806-2	SS02	Total/NA	Solid	5035	
890-3806-3	SS03	Total/NA	Solid	5035	
890-3806-4	SS04	Total/NA	Solid	5035	
MB 880-43868/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-43868/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-43868/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3819-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
890-3819-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 43877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3806-1	SS01	Total/NA	Solid	8021B	43868
890-3806-2	SS02	Total/NA	Solid	8021B	43868
890-3806-3	SS03	Total/NA	Solid	8021B	43868
890-3806-4	SS04	Total/NA	Solid	8021B	43868
MB 880-43747/5-A	Method Blank	Total/NA	Solid	8021B	43747
MB 880-43868/5-A	Method Blank	Total/NA	Solid	8021B	43868
LCS 880-43868/1-A	Lab Control Sample	Total/NA	Solid	8021B	43868
LCSD 880-43868/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	43868
890-3819-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	43868
890-3819-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	43868

Analysis Batch: 44764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3806-1	SS01	Total/NA	Solid	Total BTEX	
890-3806-2	SS02	Total/NA	Solid	Total BTEX	
890-3806-3	SS03	Total/NA	Solid	Total BTEX	
890-3806-4	SS04	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 43869

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3806-1	SS01	Total/NA	Solid	8015NM Prep	
890-3806-2	SS02	Total/NA	Solid	8015NM Prep	
890-3806-3	SS03	Total/NA	Solid	8015NM Prep	
890-3806-4	SS04	Total/NA	Solid	8015NM Prep	
MB 880-43869/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-43869/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-43869/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3792-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-3792-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 43945

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3806-1	SS01	Total/NA	Solid	8015B NM	43869

QC Association Summary

Client: Ensolum
Project/Site: Baish B Battery

Job ID: 890-3806-1
SDG: Lea County NM

GC Semi VOA (Continued)

Analysis Batch: 43945 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3806-2	SS02	Total/NA	Solid	8015B NM	43869
890-3806-3	SS03	Total/NA	Solid	8015B NM	43869
890-3806-4	SS04	Total/NA	Solid	8015B NM	43869
MB 880-43869/1-A	Method Blank	Total/NA	Solid	8015B NM	43869
LCS 880-43869/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	43869
LCSD 880-43869/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	43869
890-3792-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	43869
890-3792-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	43869

Analysis Batch: 44043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3806-1	SS01	Total/NA	Solid	8015 NM	
890-3806-2	SS02	Total/NA	Solid	8015 NM	
890-3806-3	SS03	Total/NA	Solid	8015 NM	
890-3806-4	SS04	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 43791

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3806-1	SS01	Soluble	Solid	DI Leach	
890-3806-2	SS02	Soluble	Solid	DI Leach	
890-3806-3	SS03	Soluble	Solid	DI Leach	
890-3806-4	SS04	Soluble	Solid	DI Leach	
MB 880-43791/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-43791/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCS 880-43791/3-A	Lab Control Sample	Soluble	Solid	DI Leach	
890-3798-A-1-C MS	Matrix Spike	Soluble	Solid	DI Leach	
890-3798-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 43930

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3806-1	SS01	Soluble	Solid	300.0	43791
890-3806-2	SS02	Soluble	Solid	300.0	43791
890-3806-3	SS03	Soluble	Solid	300.0	43791
890-3806-4	SS04	Soluble	Solid	300.0	43791
MB 880-43791/1-A	Method Blank	Soluble	Solid	300.0	43791
LCS 880-43791/2-A	Lab Control Sample	Soluble	Solid	300.0	43791
LCS 880-43791/3-A	Lab Control Sample	Soluble	Solid	300.0	43791
890-3798-A-1-C MS	Matrix Spike	Soluble	Solid	300.0	43791
890-3798-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	43791

Lab Chronicle

Client: Ensolum
Project/Site: Baish B Battery

Job ID: 890-3806-1
SDG: Lea County NM

Client Sample ID: SS01
Date Collected: 01/09/23 12:35
Date Received: 01/10/23 09:05

Lab Sample ID: 890-3806-1
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			4.97 g	5 mL	43868	01/13/23 08:16	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	43877	01/14/23 10:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44764	01/25/23 16:06	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44043	01/16/23 16:39	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43869	01/13/23 08:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43945	01/16/23 04:21	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	43791	01/12/23 09:20	KS	EET MID
Soluble	Analysis	300.0		1			43930	01/14/23 09:10	CH	EET MID

Client Sample ID: SS02
Date Collected: 01/09/23 13:50
Date Received: 01/10/23 09:05

Lab Sample ID: 890-3806-2
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	43868	01/13/23 08:16	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	43877	01/14/23 11:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44764	01/25/23 16:06	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44043	01/16/23 16:39	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	43869	01/13/23 08:39	DM	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	43945	01/16/23 03:17	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	43791	01/12/23 09:20	KS	EET MID
Soluble	Analysis	300.0		1			43930	01/14/23 09:16	CH	EET MID

Client Sample ID: SS03
Date Collected: 01/09/23 12:45
Date Received: 01/10/23 09:05

Lab Sample ID: 890-3806-3
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	43868	01/13/23 08:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43877	01/14/23 08:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44764	01/25/23 16:06	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44043	01/16/23 16:39	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43869	01/13/23 08:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43945	01/15/23 22:16	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	43791	01/12/23 09:20	KS	EET MID
Soluble	Analysis	300.0		1			43930	01/14/23 09:22	CH	EET MID

Client Sample ID: SS04
Date Collected: 01/09/23 12:50
Date Received: 01/10/23 09:05

Lab Sample ID: 890-3806-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	43868	01/13/23 08:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43877	01/14/23 08:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44764	01/25/23 16:06	AJ	EET MID

Lab Chronicle

Client: Ensolum
Project/Site: Baish B Battery

Job ID: 890-3806-1
SDG: Lea County NM

Client Sample ID: SS04

Date Collected: 01/09/23 12:50
Date Received: 01/10/23 09:05

Lab Sample ID: 890-3806-4

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			44043	01/16/23 16:39	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43869	01/13/23 08:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43945	01/15/23 22:37	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	43791	01/12/23 09:20	KS	EET MID
Soluble	Analysis	300.0		1			43930	01/14/23 09:28	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: Baish B Battery

Job ID: 890-3806-1
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	T104704400-22-25	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: Baish B Battery

Job ID: 890-3806-1
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: Baish B Battery

Job ID: 890-3806-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-3806-1	SS01	Solid	01/09/23 12:35	01/10/23 09:05	0.5
890-3806-2	SS02	Solid	01/09/23 13:50	01/10/23 09:05	0.5
890-3806-3	SS03	Solid	01/09/23 12:45	01/10/23 09:05	0.5
890-3806-4	SS04	Solid	01/09/23 12:50	01/10/23 09:05	0.5

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Chain of Custody

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

Work Order No: _____

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Project Manager:	Hadlie Green	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:	432-557-8895	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:	Baish B Battery	Turn Around	☑ Routine ☐ Rush
Project Number:	03D2057054	Due Date:	
Project Location:	Lea County, NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Dmitry Nikanorov		
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:	TW-007	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	2.3	
Total Containers:		Corrected Temperature:	2.1	

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	CHLORIDES (EPA: 300.0)	TPH (8015)	BTEX (8021
SS01	S	1/9/2023	12:35	0.5'	Grab	1		x	x	x
SS02	S	1/9/2023	1350	0.5'	Grab	1		x	x	x
SS03	S	1/9/2023	1245	0.5'	Grab	1		x	x	x
SS04	S	1/9/2023	1250	0.5'	Grab	1		x	x	x

Parameters

890-3806 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

DN 01/09/23

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		1-10-23 0905	4		
3			6		
5					

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-3806-1
SDG Number: Lea County NM

Login Number: 3806
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: 890-3806-1
SDG Number: Lea County NM

Login Number: 3806
List Number: 2
Creator: Teel, Brianna

List Source: Eurofins Midland
List Creation: 01/11/23 11:43 AM

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

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ANALYTICAL REPORT

PREPARED FOR

Attn: Hadlie Green
Ensolum
601 N. Marienfeld St.
Suite 400
Midland, Texas 79701

Generated 1/16/2023 6:34:29 PM

JOB DESCRIPTION

Baish B Battery
SDG NUMBER Lea County NM

JOB NUMBER

890-3807-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

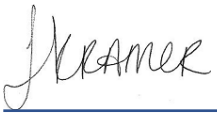
my EOL

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



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

Client: Ensolum
Project/Site: Baish B Battery

Laboratory Job ID: 890-3807-1
SDG: Lea County NM

Table of Contents

Definitions/Glossary

Client: Ensolum Job ID: 890-3807-1
Project/Site: Baish B Battery SDG: Lea County 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
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: Baish B Battery

Job ID: 890-3807-1
SDG: Lea County NM

Job ID: 890-3807-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-3807-1

Receipt
The samples were received on 1/10/2023 9:05 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 2.6°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: SS05 (890-3807-1), SS06 (890-3807-2), SS07 (890-3807-3) and SS08 (890-3807-4).

GC VOA
Method 8021B: Surrogate recovery for the following sample was outside control limits: SS06 (890-3807-2). 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: Surrogate recovery for the following sample was outside control limits: (MB 880-43869/1-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.

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-43792 and analytical batch 880-43924 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: Baish B Battery

Job ID: 890-3807-1
SDG: Lea County NM

Client Sample ID: SS05

Lab Sample ID: 890-3807-1
Matrix: Solid
Date Collected: 01/09/23 13:15
Date Received: 01/10/23 09:05
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/13/23 08:16	01/14/23 09:10	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/13/23 08:16	01/14/23 09:10	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/13/23 08:16	01/14/23 09:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/13/23 08:16	01/14/23 09:10	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/13/23 08:16	01/14/23 09:10	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/13/23 08:16	01/14/23 09:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*01/13/23 08:16*	*01/14/23 09:10*	*1*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*01/13/23 08:16*	*01/14/23 10:55*	*100*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*01/13/23 08:16*	*01/14/23 09:10*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*01/13/23 08:16*	*01/14/23 10:55*	*100*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/16/23 17:06	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/16/23 16:39	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		01/13/23 08:39	01/15/23 22:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/13/23 08:39	01/15/23 22:59	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/13/23 08:39	01/15/23 22:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*01/13/23 08:39*	*01/15/23 22:59*	*1*
o-Terphenyl	*109*		*70 - 130*	*01/13/23 08:39*	*01/15/23 22:59*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**67.7**		4.97		mg/Kg			01/14/23 00:28	1

Client Sample ID: SS06

Lab Sample ID: 890-3807-2
Matrix: Solid
Date Collected: 01/09/23 13:20
Date Received: 01/10/23 09:05
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/13/23 08:16	01/14/23 09:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/13/23 08:16	01/14/23 09:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/13/23 08:16	01/14/23 09:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/13/23 08:16	01/14/23 09:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/13/23 08:16	01/14/23 09:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/13/23 08:16	01/14/23 09:31	1

Client Sample Results

Client: Ensolum
Project/Site: Baish B Battery

Job ID: 890-3807-1
SDG: Lea County NM

Client Sample ID: SS06

Lab Sample ID: 890-3807-2
Matrix: Solid
Date Collected: 01/09/23 13:20
Date Received: 01/10/23 09:05
Sample Depth: 0.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	68	S1-	70 - 130	01/13/23 08:16	01/14/23 09:31	1
4-Bromofluorobenzene (Surr)	99		70 - 130	01/13/23 08:16	01/14/23 11:16	100
1,4-Difluorobenzene (Surr)	67	S1-	70 - 130	01/13/23 08:16	01/14/23 09:31	1
1,4-Difluorobenzene (Surr)	111		70 - 130	01/13/23 08:16	01/14/23 11:16	100

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/16/23 17:06	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/16/23 16:39	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		01/13/23 08:39	01/15/23 23:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/13/23 08:39	01/15/23 23:20	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/13/23 08:39	01/15/23 23:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	01/13/23 08:39	01/15/23 23:20	1
o-Terphenyl	111		70 - 130	01/13/23 08:39	01/15/23 23:20	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**44.8**		5.05	mg/Kg			01/14/23 00:33	1

Client Sample ID: SS07

Lab Sample ID: 890-3807-3
Matrix: Solid
Date Collected: 01/09/23 13:25
Date Received: 01/10/23 09:05
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/13/23 08:16	01/14/23 08:08	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/13/23 08:16	01/14/23 08:08	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/13/23 08:16	01/14/23 08:08	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		01/13/23 08:16	01/14/23 08:08	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/13/23 08:16	01/14/23 08:08	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/13/23 08:16	01/14/23 08:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	01/13/23 08:16	01/14/23 08:08	1
4-Bromofluorobenzene (Surr)	110		70 - 130	01/13/23 08:16	01/14/23 09:52	1
1,4-Difluorobenzene (Surr)	111		70 - 130	01/13/23 08:16	01/14/23 08:08	1
1,4-Difluorobenzene (Surr)	116		70 - 130	01/13/23 08:16	01/14/23 09:52	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			01/16/23 17:06	1

Client Sample Results

Client: Ensolum
Project/Site: Baish B Battery

Job ID: 890-3807-1
SDG: Lea County NM

Client Sample ID: SS07

Lab Sample ID: 890-3807-3
Matrix: Solid
Date Collected: 01/09/23 13:25
Date Received: 01/10/23 09:05
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/16/23 16:39	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	<49.9	U	49.9		mg/Kg		01/13/23 08:39	01/15/23 23:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/13/23 08:39	01/15/23 23:41	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/13/23 08:39	01/15/23 23:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*01/13/23 08:39*	*01/15/23 23:41*	*1*
o-Terphenyl	*106*		*70 - 130*	*01/13/23 08:39*	*01/15/23 23:41*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**48.8**		4.99		mg/Kg			01/14/23 00:39	1

Client Sample ID: SS08

Lab Sample ID: 890-3807-4
Matrix: Solid
Date Collected: 01/09/23 13:30
Date Received: 01/10/23 09:05
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/13/23 08:16	01/14/23 08:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/13/23 08:16	01/14/23 08:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/13/23 08:16	01/14/23 08:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/13/23 08:16	01/14/23 08:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/13/23 08:16	01/14/23 08:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/13/23 08:16	01/14/23 08:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*01/13/23 08:16*	*01/14/23 08:29*	*1*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*01/13/23 08:16*	*01/14/23 10:13*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*01/13/23 08:16*	*01/14/23 08:29*	*1*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*	*01/13/23 08:16*	*01/14/23 10:13*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/16/23 17:06	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/16/23 16:39	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		01/13/23 08:39	01/16/23 00:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/13/23 08:39	01/16/23 00:02	1

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Client Sample Results

Client: Ensolum
Project/Site: Baish B Battery

Job ID: 890-3807-1
SDG: Lea County NM

Client Sample ID: SS08
Date Collected: 01/09/23 13:30
Date Received: 01/10/23 09:05
Sample Depth: 0.5

Lab Sample ID: 890-3807-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/13/23 08:39	01/16/23 00:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*01/13/23 08:39*	*01/16/23 00:02*	*1*
o-Terphenyl	*108*		*70 - 130*	*01/13/23 08:39*	*01/16/23 00:02*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**46.3**		5.01		mg/Kg			01/14/23 00:55	1

Surrogate Summary

Client: Ensolum
Project/Site: Baish B Battery

Job ID: 890-3807-1
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)
890-3807-1	SS05	118	115
890-3807-1	SS05	117	102
890-3807-2	SS06	68 S1-	67 S1-
890-3807-2	SS06	99	111
890-3807-3	SS07	100	111
890-3807-3	SS07	110	116
890-3807-4	SS08	120	99
890-3807-4	SS08	114	116
890-3819-A-1-D MS	Matrix Spike	95	100
890-3819-A-1-E MSD	Matrix Spike Duplicate	105	101
LCS 880-43868/1-A	Lab Control Sample	100	95
LCSD 880-43868/2-A	Lab Control Sample Dup	95	96
MB 880-43747/5-A	Method Blank	99	86
MB 880-43868/5-A	Method Blank	100	90

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)
890-3792-A-1-E MS	Matrix Spike	81	81
890-3792-A-1-F MSD	Matrix Spike Duplicate	97	82
890-3807-1	SS05	105	109
890-3807-2	SS06	106	111
890-3807-3	SS07	102	106
890-3807-4	SS08	105	108
LCS 880-43869/2-A	Lab Control Sample	113	105
LCSD 880-43869/3-A	Lab Control Sample Dup	116	108
MB 880-43869/1-A	Method Blank	158 S1+	167 S1+

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum
Project/Site: Baish B Battery

Job ID: 890-3807-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-43747/5-A
Matrix: Solid
Analysis Batch: 43877

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43747

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/11/23 13:33	01/13/23 16:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/11/23 13:33	01/13/23 16:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/11/23 13:33	01/13/23 16:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/11/23 13:33	01/13/23 16:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/11/23 13:33	01/13/23 16:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/11/23 13:33	01/13/23 16:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*01/11/23 13:33*	*01/13/23 16:30*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*01/11/23 13:33*	*01/13/23 16:30*	*1*

Lab Sample ID: MB 880-43868/5-A
Matrix: Solid
Analysis Batch: 43877

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43868

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/13/23 08:16	01/14/23 03:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/13/23 08:16	01/14/23 03:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/13/23 08:16	01/14/23 03:14	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/13/23 08:16	01/14/23 03:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/13/23 08:16	01/14/23 03:14	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/13/23 08:16	01/14/23 03:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*01/13/23 08:16*	*01/14/23 03:14*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*01/13/23 08:16*	*01/14/23 03:14*	*1*

Lab Sample ID: LCS 880-43868/1-A
Matrix: Solid
Analysis Batch: 43877

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43868

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1038		mg/Kg		104	70 - 130		
Toluene			0.100	0.09662		mg/Kg		97	70 - 130		
Ethylbenzene			0.100	0.1080		mg/Kg		108	70 - 130		
m-Xylene & p-Xylene			0.200	0.1989		mg/Kg		99	70 - 130		
o-Xylene			0.100	0.1040		mg/Kg		104	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: LCSD 880-43868/2-A
Matrix: Solid
Analysis Batch: 43877

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 43868

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1034		mg/Kg		103	70 - 130	0	35

QC Sample Results

Client: Ensolum
Project/Site: Baish B Battery

Job ID: 890-3807-1
SDG: Lea County NM

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

Lab Sample ID: LCSD 880-43868/2-A
Matrix: Solid
Analysis Batch: 43877

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 43868

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.09614		mg/Kg		96	70 - 130	0	35
Ethylbenzene			0.100	0.1036		mg/Kg		104	70 - 130	4	35
m-Xylene & p-Xylene			0.200	0.1896		mg/Kg		95	70 - 130	5	35
o-Xylene			0.100	0.09875		mg/Kg		99	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: 890-3819-A-1-D MS
Matrix: Solid
Analysis Batch: 43877

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 43868

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.0998	0.1043		mg/Kg		105	70 - 130
Toluene	<0.00201	U	0.0998	0.09540		mg/Kg		96	70 - 130
Ethylbenzene	<0.00201	U	0.0998	0.1017		mg/Kg		102	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1879		mg/Kg		94	70 - 130
o-Xylene	<0.00201	U	0.0998	0.09643		mg/Kg		97	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 890-3819-A-1-E MSD
Matrix: Solid
Analysis Batch: 43877

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 43868

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.101	0.08686		mg/Kg		86	70 - 130	18	35
Toluene	<0.00201	U	0.101	0.08178		mg/Kg		81	70 - 130	15	35
Ethylbenzene	<0.00201	U	0.101	0.09122		mg/Kg		90	70 - 130	11	35
m-Xylene & p-Xylene	<0.00402	U	0.202	0.1709		mg/Kg		85	70 - 130	9	35
o-Xylene	<0.00201	U	0.101	0.08906		mg/Kg		88	70 - 130	8	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

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

Lab Sample ID: MB 880-43869/1-A
Matrix: Solid
Analysis Batch: 43945

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43869

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/13/23 08:39	01/15/23 19:47	1

QC Sample Results

Client: Ensolum
Project/Site: Baish B Battery

Job ID: 890-3807-1
SDG: Lea County NM

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

Lab Sample ID: MB 880-43869/1-A
Matrix: Solid
Analysis Batch: 43945

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43869

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/13/23 08:39	01/15/23 19:47	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/13/23 08:39	01/15/23 19:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*158*	*S1+*	*70 - 130*	*01/13/23 08:39*	*01/15/23 19:47*	*1*
o-Terphenyl	*167*	*S1+*	*70 - 130*	*01/13/23 08:39*	*01/15/23 19:47*	*1*

Lab Sample ID: LCS 880-43869/2-A
Matrix: Solid
Analysis Batch: 43945

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43869

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	850.0		mg/Kg		85	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	958.3		mg/Kg		96	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*113*		*70 - 130*
o-Terphenyl	*105*		*70 - 130*

Lab Sample ID: LCSD 880-43869/3-A
Matrix: Solid
Analysis Batch: 43945

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 43869

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	969.8		mg/Kg		97	70 - 130	13	20
Diesel Range Organics (Over C10-C28)			1000	903.3		mg/Kg		90	70 - 130	6	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*116*		*70 - 130*
o-Terphenyl	*108*		*70 - 130*

Lab Sample ID: 890-3792-A-1-E MS
Matrix: Solid
Analysis Batch: 43945

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 43869

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	895.8		mg/Kg		87	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	998	895.5		mg/Kg		87	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*81*		*70 - 130*
o-Terphenyl	*81*		*70 - 130*

QC Sample Results

Client: Ensolum
Project/Site: Baish B Battery

Job ID: 890-3807-1
SDG: Lea County NM

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

Lab Sample ID: 890-3792-A-1-F MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 43945 — **Prep Batch: 43869**

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	<49.9	U	997	959.7		mg/Kg		93	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	<49.9	U	997	917.4		mg/Kg		89	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*97*		*70 - 130*
o-Terphenyl	*82*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-43792/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 43924

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			01/13/23 23:50	1

Lab Sample ID: LCS 880-43792/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 43924

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	255.0		mg/Kg		102	90 - 110		

Lab Sample ID: LCSD 880-43792/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 43924

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	251.6		mg/Kg		101	90 - 110	1	20

Lab Sample ID: 890-3804-A-1-C MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 43924

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	53.1	F1	252	347.0	F1	mg/Kg		117	90 - 110		

Lab Sample ID: 890-3804-A-1-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 43924

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	53.1	F1	252	344.0	F1	mg/Kg		116	90 - 110	1	20

QC Association Summary

Client: Ensolum
Project/Site: Baish B Battery

Job ID: 890-3807-1
SDG: Lea County NM

GC VOA

Prep Batch: 43747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-43747/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 43868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3807-1	SS05	Total/NA	Solid	5035	
890-3807-2	SS06	Total/NA	Solid	5035	
890-3807-3	SS07	Total/NA	Solid	5035	
890-3807-4	SS08	Total/NA	Solid	5035	
MB 880-43868/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-43868/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-43868/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3819-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
890-3819-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 43877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3807-1	SS05	Total/NA	Solid	8021B	43868
890-3807-1	SS05	Total/NA	Solid	8021B	43868
890-3807-2	SS06	Total/NA	Solid	8021B	43868
890-3807-2	SS06	Total/NA	Solid	8021B	43868
890-3807-3	SS07	Total/NA	Solid	8021B	43868
890-3807-3	SS07	Total/NA	Solid	8021B	43868
890-3807-4	SS08	Total/NA	Solid	8021B	43868
890-3807-4	SS08	Total/NA	Solid	8021B	43868
MB 880-43747/5-A	Method Blank	Total/NA	Solid	8021B	43747
MB 880-43868/5-A	Method Blank	Total/NA	Solid	8021B	43868
LCS 880-43868/1-A	Lab Control Sample	Total/NA	Solid	8021B	43868
LCSD 880-43868/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	43868
890-3819-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	43868
890-3819-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	43868

Analysis Batch: 44115

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3807-1	SS05	Total/NA	Solid	Total BTEX	
890-3807-2	SS06	Total/NA	Solid	Total BTEX	
890-3807-3	SS07	Total/NA	Solid	Total BTEX	
890-3807-4	SS08	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 43869

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3807-1	SS05	Total/NA	Solid	8015NM Prep	
890-3807-2	SS06	Total/NA	Solid	8015NM Prep	
890-3807-3	SS07	Total/NA	Solid	8015NM Prep	
890-3807-4	SS08	Total/NA	Solid	8015NM Prep	
MB 880-43869/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-43869/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-43869/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3792-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-3792-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Ensolum
Project/Site: Baish B Battery

Job ID: 890-3807-1
SDG: Lea County NM

GC Semi VOA

Analysis Batch: 43945

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3807-1	SS05	Total/NA	Solid	8015B NM	43869
890-3807-2	SS06	Total/NA	Solid	8015B NM	43869
890-3807-3	SS07	Total/NA	Solid	8015B NM	43869
890-3807-4	SS08	Total/NA	Solid	8015B NM	43869
MB 880-43869/1-A	Method Blank	Total/NA	Solid	8015B NM	43869
LCS 880-43869/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	43869
LCSD 880-43869/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	43869
890-3792-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	43869
890-3792-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	43869

Analysis Batch: 44044

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3807-1	SS05	Total/NA	Solid	8015 NM	
890-3807-2	SS06	Total/NA	Solid	8015 NM	
890-3807-3	SS07	Total/NA	Solid	8015 NM	
890-3807-4	SS08	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 43792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3807-1	SS05	Soluble	Solid	DI Leach	
890-3807-2	SS06	Soluble	Solid	DI Leach	
890-3807-3	SS07	Soluble	Solid	DI Leach	
890-3807-4	SS08	Soluble	Solid	DI Leach	
MB 880-43792/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-43792/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-43792/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3804-A-1-C MS	Matrix Spike	Soluble	Solid	DI Leach	
890-3804-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 43924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3807-1	SS05	Soluble	Solid	300.0	43792
890-3807-2	SS06	Soluble	Solid	300.0	43792
890-3807-3	SS07	Soluble	Solid	300.0	43792
890-3807-4	SS08	Soluble	Solid	300.0	43792
MB 880-43792/1-A	Method Blank	Soluble	Solid	300.0	43792
LCS 880-43792/2-A	Lab Control Sample	Soluble	Solid	300.0	43792
LCSD 880-43792/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	43792
890-3804-A-1-C MS	Matrix Spike	Soluble	Solid	300.0	43792
890-3804-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	43792

Lab Chronicle

Client: Ensolum
Project/Site: Baish B Battery

Job ID: 890-3807-1
SDG: Lea County NM

Client Sample ID: SS05

Date Collected: 01/09/23 13:15
Date Received: 01/10/23 09:05

Lab Sample ID: 890-3807-1

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	43868	01/13/23 08:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43877	01/14/23 09:10	MNR	EET MID
Total/NA	Prep	5035			5.02 g	5 mL	43868	01/13/23 08:16	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	43877	01/14/23 10:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44115	01/16/23 17:06	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44044	01/16/23 16:39	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	43869	01/13/23 08:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43945	01/15/23 22:59	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	43792	01/12/23 09:21	KS	EET MID
Soluble	Analysis	300.0		1			43924	01/14/23 00:28	CH	EET MID

Client Sample ID: SS06

Date Collected: 01/09/23 13:20
Date Received: 01/10/23 09:05

Lab Sample ID: 890-3807-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	43868	01/13/23 08:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43877	01/14/23 09:31	MNR	EET MID
Total/NA	Prep	5035			5.03 g	5 mL	43868	01/13/23 08:16	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	43877	01/14/23 11:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44115	01/16/23 17:06	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44044	01/16/23 16:39	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43869	01/13/23 08:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43945	01/15/23 23:20	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	43792	01/12/23 09:21	KS	EET MID
Soluble	Analysis	300.0		1			43924	01/14/23 00:33	CH	EET MID

Client Sample ID: SS07

Date Collected: 01/09/23 13:25
Date Received: 01/10/23 09:05

Lab Sample ID: 890-3807-3

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	43868	01/13/23 08:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43877	01/14/23 08:08	MNR	EET MID
Total/NA	Prep	5035			5.01 g	5 mL	43868	01/13/23 08:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43877	01/14/23 09:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44115	01/16/23 17:06	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44044	01/16/23 16:39	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43869	01/13/23 08:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43945	01/15/23 23:41	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	43792	01/12/23 09:21	KS	EET MID
Soluble	Analysis	300.0		1			43924	01/14/23 00:39	CH	EET MID

Lab Chronicle

Client: Ensolum
Project/Site: Baish B Battery

Job ID: 890-3807-1
SDG: Lea County NM

Client Sample ID: SS08

Date Collected: 01/09/23 13:30
Date Received: 01/10/23 09:05

Lab Sample ID: 890-3807-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	43868	01/13/23 08:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43877	01/14/23 08:29	MNR	EET MID
Total/NA	Prep	5035			5.02 g	5 mL	43868	01/13/23 08:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43877	01/14/23 10:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44115	01/16/23 17:06	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44044	01/16/23 16:39	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	43869	01/13/23 08:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43945	01/16/23 00:02	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	43792	01/12/23 09:21	KS	EET MID
Soluble	Analysis	300.0		1			43924	01/14/23 00:55	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: Baish B Battery

Job ID: 890-3807-1
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	T104704400-22-25	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: Baish B Battery

Job ID: 890-3807-1
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: Baish B Battery

Job ID: 890-3807-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-3807-1	SS05	Solid	01/09/23 13:15	01/10/23 09:05	0.5
890-3807-2	SS06	Solid	01/09/23 13:20	01/10/23 09:05	0.5
890-3807-3	SS07	Solid	01/09/23 13:25	01/10/23 09:05	0.5
890-3807-4	SS08	Solid	01/09/23 13:30	01/10/23 09:05	0.5

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Chain of Custody

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

Work Order No: _____

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Project Manager:	Hadlie Green	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:	432-557-8895	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:	Baish B Battery	Turn Around	☑ Routine ☐ Rush
Project Number:	03D2057054	Due Date:	
Project Location:	Lea County, NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Dmitry Nikanorov		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	TWM097
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	2.5
Total Containers:		Corrected Temperature:	2.6

ANALYSIS REQUEST

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 (EPA: 300.0)	TPH (8015)	BTEX (8021
SS05	S	1/9/2023	13:15	0.5'	Grab	1		x	x	x
SS06	S	1/9/2023	1320	0.5'	Grab	1		x	x	x
SS07	S	1/9/2023	1325	0.5'	Grab	1		x	x	x
SS08	S	1/9/2023	1330	0.5'	Grab	1		x	x	x

890-3807 Chain of Custody

Sample Comments

Incident Number

PW 01/09/23

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		1-10-23 905	4		
3			6		
5					

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-3807-1
SDG Number: Lea County NM

Login Number: 3807
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: 890-3807-1
SDG Number: Lea County NM

Login Number: 3807
List Number: 2
Creator: Teel, Brianna

List Source: Eurofins Midland
List Creation: 01/11/23 11:43 AM

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Josh Adams
Ensolum
601 N. Marienfeld St.
Suite 400
Midland, Texas 79701

Generated 3/16/2023 2:48:49 PM

JOB DESCRIPTION

Maverick Baish B Battery
SDG NUMBER 03E2057054

JOB NUMBER

890-4231-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

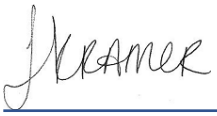
my EOL

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



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

Client: Ensolum
Project/Site: Maverick Baish B Battery

Laboratory Job ID: 890-4231-1
SDG: 03E2057054

Table of Contents

Definitions/Glossary

Client: Ensolum Job ID: 890-4231-1
Project/Site: Maverick Baish B Battery SDG: 03E2057054

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, low biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

Glossary

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: Maverick Baish B Battery

Job ID: 890-4231-1
SDG: 03E2057054

Job ID: 890-4231-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-4231-1

Receipt
The samples were received on 3/3/2023 8:40 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 2.6°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: FS01 (890-4231-1), FS02 (890-4231-2), FS03 (890-4231-3), FS04 (890-4231-4), FS05 (890-4231-5), FS06 (890-4231-6), FS07 (890-4231-7), FS08 (890-4231-8), FS09 (890-4231-9), FS10 (890-4231-10), FS11 (890-4231-11), FS12 (890-4231-12), FS13 (890-4231-13), SW01 (890-4231-14), SW02 (890-4231-15), SW03 (890-4231-16), SW04 (890-4231-17), SW06 (890-4231-18) and SW07 (890-4231-19).

GC VOA
Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-48442 and analytical batch 880-48426 was outside the control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: FS05 (890-4231-5) and FS06 (890-4231-6). 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 880-48320 and analytical batch 880-48570 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: Surrogate recovery for the following sample was outside control limits: (880-25480-A-11-F MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Reanalysis of the following sample(s) was performed outside of the analytical holding time.: SW01 (890-4231-14).

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: (890-4231-A-8-D MS). 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: FS13 (890-4231-13), SW01 (890-4231-14) and SW02 (890-4231-15). 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 for preparation batch 880-48060 and 880-48060 and analytical batch 880-48158 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.The associated samples are: FS11 (890-4231-11), FS12 (890-4231-12), FS13 (890-4231-13), SW01 (890-4231-14), SW02 (890-4231-15), SW03 (890-4231-16), SW04 (890-4231-17), SW06 (890-4231-18), SW07 (890-4231-19), (890-4231-A-11-C MS) and (890-4231-A-11-D MSD).

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: Maverick Baish B Battery

Job ID: 890-4231-1
SDG: 03E2057054

Client Sample ID: FS01

Lab Sample ID: 890-4231-1
Matrix: Solid
Date Collected: 02/27/23 13:50
Date Received: 03/03/23 08:40
Sample Depth: 2'

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		03/13/23 08:00	03/13/23 14:37	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/13/23 08:00	03/13/23 14:37	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/13/23 08:00	03/13/23 14:37	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/13/23 08:00	03/13/23 14:37	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/13/23 08:00	03/13/23 14:37	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/13/23 08:00	03/13/23 14:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*03/13/23 08:00*	*03/13/23 14:37*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*03/13/23 08:00*	*03/13/23 14:37*	*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			03/13/23 17:17	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**104**		49.9		mg/Kg			03/07/23 13:47	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/06/23 08:24	03/06/23 18:27	1
Diesel Range Organics (Over C10-C28)	**104**		49.9		mg/Kg		03/06/23 08:24	03/06/23 18:27	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/06/23 08:24	03/06/23 18:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*03/06/23 08:24*	*03/06/23 18:27*	*1*
o-Terphenyl	*126*		*70 - 130*	*03/06/23 08:24*	*03/06/23 18:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**53.7**		4.98		mg/Kg			03/08/23 22:57	1

Client Sample ID: FS02

Lab Sample ID: 890-4231-2
Matrix: Solid
Date Collected: 02/27/23 13:55
Date Received: 03/03/23 08:40
Sample Depth: 2'

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		03/13/23 08:00	03/13/23 15:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/13/23 08:00	03/13/23 15:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/13/23 08:00	03/13/23 15:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/13/23 08:00	03/13/23 15:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/13/23 08:00	03/13/23 15:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/13/23 08:00	03/13/23 15:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*03/13/23 08:00*	*03/13/23 15:03*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Maverick Baish B Battery

Job ID: 890-4231-1
SDG: 03E2057054

Client Sample ID: FS02

Lab Sample ID: 890-4231-2
Matrix: Solid
Date Collected: 02/27/23 13:55
Date Received: 03/03/23 08:40
Sample Depth: 2'

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*03/13/23 08:00*	*03/13/23 15:03*	*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			03/13/23 17:17	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**55.6**		49.9	mg/Kg			03/07/23 13:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/06/23 08:24	03/06/23 18:49	1
Diesel Range Organics (Over C10-C28)	**55.6**		49.9	mg/Kg		03/06/23 08:24	03/06/23 18:49	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/06/23 08:24	03/06/23 18:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*03/06/23 08:24*	*03/06/23 18:49*	*1*
o-Terphenyl	*120*		*70 - 130*	*03/06/23 08:24*	*03/06/23 18:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**60.2**		4.98	mg/Kg			03/08/23 23:12	1

Client Sample ID: FS03

Lab Sample ID: 890-4231-3
Matrix: Solid
Date Collected: 02/27/23 14:40
Date Received: 03/03/23 08:40
Sample Depth: 3.5'

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		03/13/23 08:00	03/13/23 15:29	1
Toluene	<0.00201	U	0.00201	mg/Kg		03/13/23 08:00	03/13/23 15:29	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/13/23 08:00	03/13/23 15:29	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		03/13/23 08:00	03/13/23 15:29	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/13/23 08:00	03/13/23 15:29	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/13/23 08:00	03/13/23 15:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*03/13/23 08:00*	*03/13/23 15:29*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*03/13/23 08:00*	*03/13/23 15:29*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.490**		0.00402	mg/Kg			03/13/23 17:17	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			03/07/23 13:47	1

Client Sample Results

Client: Ensolum
Project/Site: Maverick Baish B Battery

Job ID: 890-4231-1
SDG: 03E2057054

Client Sample ID: FS03

Lab Sample ID: 890-4231-3
Matrix: Solid
Date Collected: 02/27/23 14:40
Date Received: 03/03/23 08:40
Sample Depth: 3.5'

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/06/23 08:24	03/06/23 19:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/06/23 08:24	03/06/23 19:11	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/06/23 08:24	03/06/23 19:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*03/06/23 08:24*	*03/06/23 19:11*	*1*
o-Terphenyl	*116*		*70 - 130*	*03/06/23 08:24*	*03/06/23 19:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**55.2**		4.95		mg/Kg			03/08/23 23:17	1

Client Sample ID: FS04

Lab Sample ID: 890-4231-4
Matrix: Solid
Date Collected: 02/28/23 11:35
Date Received: 03/03/23 08:40
Sample Depth: 2'

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		03/09/23 10:06	03/13/23 18:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/09/23 10:06	03/13/23 18:16	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/09/23 10:06	03/13/23 18:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/09/23 10:06	03/13/23 18:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/09/23 10:06	03/13/23 18:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/09/23 10:06	03/13/23 18:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*03/09/23 10:06*	*03/13/23 18:16*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*03/09/23 10:06*	*03/13/23 18:16*	*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			03/16/23 15:40	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/08/23 15:27	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/07/23 10:19	03/08/23 02:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/07/23 10:19	03/08/23 02:00	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/07/23 10:19	03/08/23 02:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*03/07/23 10:19*	*03/08/23 02:00*	*1*
o-Terphenyl	*93*		*70 - 130*	*03/07/23 10:19*	*03/08/23 02:00*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Maverick Baish B Battery

Job ID: 890-4231-1
SDG: 03E2057054

Client Sample ID: FS04
Lab Sample ID: 890-4231-4
Date Collected: 02/28/23 11:35
Matrix: Solid
Date Received: 03/03/23 08:40
Sample Depth: 2'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	69.3		5.01		mg/Kg			03/08/23 23:22	1

Client Sample ID: FS05
Lab Sample ID: 890-4231-5
Date Collected: 02/28/23 11:40
Matrix: Solid
Date Received: 03/03/23 08:40
Sample Depth: 2'

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		03/09/23 10:06	03/13/23 18:36	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/09/23 10:06	03/13/23 18:36	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/09/23 10:06	03/13/23 18:36	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/09/23 10:06	03/13/23 18:36	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/09/23 10:06	03/13/23 18:36	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/09/23 10:06	03/13/23 18:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*50*	*S1-*	*70 - 130*	*03/09/23 10:06*	*03/13/23 18:36*	*1*
1,4-Difluorobenzene (Surr)	*125*		*70 - 130*	*03/09/23 10:06*	*03/13/23 18:36*	*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			03/16/23 15:40	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/08/23 15:27	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/07/23 10:19	03/08/23 02:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/07/23 10:19	03/08/23 02:21	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/07/23 10:19	03/08/23 02:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*03/07/23 10:19*	*03/08/23 02:21*	*1*
o-Terphenyl	*105*		*70 - 130*	*03/07/23 10:19*	*03/08/23 02:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.1		4.98		mg/Kg			03/08/23 23:26	1

Client Sample Results

Client: Ensolum
Project/Site: Maverick Baish B Battery

Job ID: 890-4231-1
SDG: 03E2057054

Client Sample ID: FS06

Lab Sample ID: 890-4231-6
Matrix: Solid
Date Collected: 02/28/23 11:45
Date Received: 03/03/23 08:40
Sample Depth: 2'

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		03/09/23 10:06	03/13/23 18:56	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/09/23 10:06	03/13/23 18:56	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/09/23 10:06	03/13/23 18:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/09/23 10:06	03/13/23 18:56	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/09/23 10:06	03/13/23 18:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/09/23 10:06	03/13/23 18:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*40*	*S1-*	*70 - 130*	*03/09/23 10:06*	*03/13/23 18:56*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*03/09/23 10:06*	*03/13/23 18:56*	*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			03/16/23 15:40	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			03/08/23 15:27	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/07/23 10:19	03/08/23 02:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/07/23 10:19	03/08/23 02:42	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/07/23 10:19	03/08/23 02:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*03/07/23 10:19*	*03/08/23 02:42*	*1*
o-Terphenyl	*106*		*70 - 130*	*03/07/23 10:19*	*03/08/23 02:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**54.0**		5.01		mg/Kg			03/08/23 23:41	1

Client Sample ID: FS07

Lab Sample ID: 890-4231-7
Matrix: Solid
Date Collected: 03/01/23 08:00
Date Received: 03/03/23 08:40
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		03/10/23 14:43	03/15/23 14:05	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/10/23 14:43	03/15/23 14:05	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/10/23 14:43	03/15/23 14:05	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/10/23 14:43	03/15/23 14:05	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/10/23 14:43	03/15/23 14:05	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/10/23 14:43	03/15/23 14:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*44*	*S1-*	*70 - 130*	*03/10/23 14:43*	*03/15/23 14:05*	*1*

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Client Sample Results

Client: Ensolum
Project/Site: Maverick Baish B Battery

Job ID: 890-4231-1
SDG: 03E2057054

Client Sample ID: FS07

Lab Sample ID: 890-4231-7
Matrix: Solid
Date Collected: 03/01/23 08:00
Date Received: 03/03/23 08:40
Sample Depth: 4'

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*03/10/23 14:43*	*03/15/23 14:05*	*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			03/16/23 15:40	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**146**		49.9	mg/Kg			03/08/23 15:27	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/07/23 10:19	03/08/23 03:03	1
Diesel Range Organics (Over C10-C28)	**146**		49.9	mg/Kg		03/07/23 10:19	03/08/23 03:03	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/07/23 10:19	03/08/23 03:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*03/07/23 10:19*	*03/08/23 03:03*	*1*
o-Terphenyl	*95*		*70 - 130*	*03/07/23 10:19*	*03/08/23 03:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**106**		4.98	mg/Kg			03/08/23 23:46	1

Client Sample ID: FS08

Lab Sample ID: 890-4231-8
Matrix: Solid
Date Collected: 03/01/23 07:55
Date Received: 03/03/23 08:40
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		03/10/23 14:43	03/15/23 14:26	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/10/23 14:43	03/15/23 14:26	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/10/23 14:43	03/15/23 14:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/10/23 14:43	03/15/23 14:26	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/10/23 14:43	03/15/23 14:26	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/10/23 14:43	03/15/23 14:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*76*		*70 - 130*	*03/10/23 14:43*	*03/15/23 14:26*	*1*
1,4-Difluorobenzene (Surr)	*67*	*S1-*	*70 - 130*	*03/10/23 14:43*	*03/15/23 14:26*	*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			03/16/23 15:40	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			03/09/23 12:02	1

Client Sample Results

Client: Ensolum
Project/Site: Maverick Baish B Battery

Job ID: 890-4231-1
SDG: 03E2057054

Client Sample ID: FS08

Lab Sample ID: 890-4231-8
Matrix: Solid
Date Collected: 03/01/23 07:55
Date Received: 03/03/23 08:40
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		03/08/23 10:34	03/08/23 21:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/08/23 10:34	03/08/23 21:56	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/08/23 10:34	03/08/23 21:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*03/08/23 10:34*	*03/08/23 21:56*	*1*
o-Terphenyl	*122*		*70 - 130*	*03/08/23 10:34*	*03/08/23 21:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**74.9**		4.95		mg/Kg			03/08/23 23:51	1

Client Sample ID: FS09

Lab Sample ID: 890-4231-9
Matrix: Solid
Date Collected: 03/01/23 12:00
Date Received: 03/03/23 08:40
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		03/10/23 14:43	03/15/23 14:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/10/23 14:43	03/15/23 14:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/10/23 14:43	03/15/23 14:47	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/10/23 14:43	03/15/23 14:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/10/23 14:43	03/15/23 14:47	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/10/23 14:43	03/15/23 14:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*42*	*S1-*	*70 - 130*	*03/10/23 14:43*	*03/15/23 14:47*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*03/10/23 14:43*	*03/15/23 14:47*	*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			03/16/23 15:40	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			03/09/23 12:02	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/08/23 10:34	03/08/23 23:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/08/23 10:34	03/08/23 23:02	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/08/23 10:34	03/08/23 23:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*03/08/23 10:34*	*03/08/23 23:02*	*1*
o-Terphenyl	*105*		*70 - 130*	*03/08/23 10:34*	*03/08/23 23:02*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Maverick Baish B Battery

Job ID: 890-4231-1
SDG: 03E2057054

Client Sample ID: FS09

Lab Sample ID: 890-4231-9
Matrix: Solid
Date Collected: 03/01/23 12:00
Date Received: 03/03/23 08:40
Sample Depth: 4'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	305		5.01		mg/Kg			03/08/23 23:56	1

Client Sample ID: FS10

Lab Sample ID: 890-4231-10
Matrix: Solid
Date Collected: 02/28/23 14:35
Date Received: 03/03/23 08:40
Sample Depth: 3'

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		03/10/23 12:35	03/14/23 12:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/10/23 12:35	03/14/23 12:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/10/23 12:35	03/14/23 12:46	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/10/23 12:35	03/14/23 12:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/10/23 12:35	03/14/23 12:46	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/10/23 12:35	03/14/23 12:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*03/10/23 12:35*	*03/14/23 12:46*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*03/10/23 12:35*	*03/14/23 12:46*	*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			03/16/23 15:40	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			03/09/23 12:02	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/08/23 10:34	03/08/23 23:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/08/23 10:34	03/08/23 23:23	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/08/23 10:34	03/08/23 23:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*03/08/23 10:34*	*03/08/23 23:23*	*1*
o-Terphenyl	*99*		*70 - 130*	*03/08/23 10:34*	*03/08/23 23:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	61.9		4.99		mg/Kg			03/09/23 00:00	1

Client Sample Results

Client: Ensolum
Project/Site: Maverick Baish B Battery

Job ID: 890-4231-1
SDG: 03E2057054

Client Sample ID: FS11

Lab Sample ID: 890-4231-11
Matrix: Solid
Date Collected: 03/01/23 10:00
Date Received: 03/03/23 08:40
Sample Depth: 3.5'

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/10/23 14:43	03/15/23 15:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/10/23 14:43	03/15/23 15:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/10/23 14:43	03/15/23 15:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/10/23 14:43	03/15/23 15:08	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/10/23 14:43	03/15/23 15:08	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/10/23 14:43	03/15/23 15:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*66*	*S1-*	*70 - 130*	*03/10/23 14:43*	*03/15/23 15:08*	*1*
1,4-Difluorobenzene (Surr)	*68*	*S1-*	*70 - 130*	*03/10/23 14:43*	*03/15/23 15:08*	*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			03/16/23 15:40	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			03/09/23 12:02	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/08/23 10:34	03/08/23 23:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/08/23 10:34	03/08/23 23:45	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/08/23 10:34	03/08/23 23:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*03/08/23 10:34*	*03/08/23 23:45*	*1*
o-Terphenyl	*129*		*70 - 130*	*03/08/23 10:34*	*03/08/23 23:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**158**	**F1**	4.97		mg/Kg			03/09/23 00:05	1

Client Sample ID: FS12

Lab Sample ID: 890-4231-12
Matrix: Solid
Date Collected: 03/01/23 09:40
Date Received: 03/03/23 08:40
Sample Depth: 3'

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		03/10/23 14:43	03/15/23 15:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/10/23 14:43	03/15/23 15:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/10/23 14:43	03/15/23 15:28	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/10/23 14:43	03/15/23 15:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/10/23 14:43	03/15/23 15:28	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/10/23 14:43	03/15/23 15:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*03/10/23 14:43*	*03/15/23 15:28*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Maverick Baish B Battery

Job ID: 890-4231-1
SDG: 03E2057054

Client Sample ID: FS12

Lab Sample ID: 890-4231-12
Matrix: Solid
Date Collected: 03/01/23 09:40
Date Received: 03/03/23 08:40
Sample Depth: 3'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*03/10/23 14:43*	*03/15/23 15:28*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			03/16/23 15:40	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			03/09/23 12:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/08/23 10:34	03/09/23 00:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/08/23 10:34	03/09/23 00:07	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/08/23 10:34	03/09/23 00:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*87*		*70 - 130*	*03/08/23 10:34*	*03/09/23 00:07*	*1*
o-Terphenyl	*105*		*70 - 130*	*03/08/23 10:34*	*03/09/23 00:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**128**		5.00	mg/Kg			03/09/23 00:20	1

Client Sample ID: FS13

Lab Sample ID: 890-4231-13
Matrix: Solid
Date Collected: 03/01/23 11:50
Date Received: 03/03/23 08:40
Sample Depth: 3'

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		03/10/23 14:43	03/15/23 15:49	1
Toluene	<0.00201	U	0.00201	mg/Kg		03/10/23 14:43	03/15/23 15:49	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/10/23 14:43	03/15/23 15:49	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		03/10/23 14:43	03/15/23 15:49	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/10/23 14:43	03/15/23 15:49	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/10/23 14:43	03/15/23 15:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*03/10/23 14:43*	*03/15/23 15:49*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*03/10/23 14:43*	*03/15/23 15:49*	*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			03/16/23 15:40	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**70.6**		50.0	mg/Kg			03/09/23 12:02	1

Client Sample Results

Client: Ensolum
Project/Site: Maverick Baish B Battery

Job ID: 890-4231-1
SDG: 03E2057054

Client Sample ID: FS13

Lab Sample ID: 890-4231-13
Matrix: Solid
Date Collected: 03/01/23 11:50
Date Received: 03/03/23 08:40
Sample Depth: 3'

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	70.6		50.0		mg/Kg		03/08/23 10:34	03/09/23 00:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/08/23 10:34	03/09/23 00:28	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/08/23 10:34	03/09/23 00:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*3*	*S1-*	*70 - 130*	*03/08/23 10:34*	*03/09/23 00:28*	*1*
o-Terphenyl	*5*	*S1-*	*70 - 130*	*03/08/23 10:34*	*03/09/23 00:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	82.4		5.00		mg/Kg			03/09/23 00:25	1

Client Sample ID: SW01

Lab Sample ID: 890-4231-14
Matrix: Solid
Date Collected: 02/27/23 14:50
Date Received: 03/03/23 08:40
Sample Depth: 0-2'

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		03/13/23 08:00	03/13/23 15:56	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/13/23 08:00	03/13/23 15:56	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/13/23 08:00	03/13/23 15:56	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		03/13/23 08:00	03/13/23 15:56	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/13/23 08:00	03/13/23 15:56	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		03/13/23 08:00	03/13/23 15:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*03/13/23 08:00*	*03/13/23 15:56*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*03/13/23 08:00*	*03/13/23 15:56*	*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			03/13/23 17:17	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	66.7		50.0		mg/Kg			03/09/23 12:02	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	66.7		50.0		mg/Kg		03/08/23 10:34	03/09/23 00:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/08/23 10:34	03/09/23 00:49	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/08/23 10:34	03/09/23 00:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*0.7*	*S1-*	*70 - 130*	*03/08/23 10:34*	*03/09/23 00:49*	*1*
o-Terphenyl	*0.7*	*S1-*	*70 - 130*	*03/08/23 10:34*	*03/09/23 00:49*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Maverick Baish B Battery

Job ID: 890-4231-1
SDG: 03E2057054

Client Sample ID: SW01

Lab Sample ID: 890-4231-14
Matrix: Solid
Date Collected: 02/27/23 14:50
Date Received: 03/03/23 08:40
Sample Depth: 0-2'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**36.7**		4.97		mg/Kg			03/09/23 00:39	1

Client Sample ID: SW02

Lab Sample ID: 890-4231-15
Matrix: Solid
Date Collected: 02/28/23 11:50
Date Received: 03/03/23 08:40
Sample Depth: 0-2'

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		03/10/23 12:35	03/14/23 13:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/10/23 12:35	03/14/23 13:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/10/23 12:35	03/14/23 13:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/10/23 12:35	03/14/23 13:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/10/23 12:35	03/14/23 13:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/10/23 12:35	03/14/23 13:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*03/10/23 12:35*	*03/14/23 13:07*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*03/10/23 12:35*	*03/14/23 13:07*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/16/23 15:40	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**64.7**		50.0		mg/Kg			03/09/23 12:02	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**64.7**		50.0		mg/Kg		03/08/23 10:34	03/09/23 01:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/08/23 10:34	03/09/23 01:11	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/08/23 10:34	03/09/23 01:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*0.8*	*S1-*	*70 - 130*	*03/08/23 10:34*	*03/09/23 01:11*	*1*
o-Terphenyl	*0.4*	*S1-*	*70 - 130*	*03/08/23 10:34*	*03/09/23 01:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**51.8**		4.95		mg/Kg			03/09/23 00:44	1

Client Sample Results

Client: Ensolum
Project/Site: Maverick Baish B Battery

Job ID: 890-4231-1
SDG: 03E2057054

Client Sample ID: SW03

Lab Sample ID: 890-4231-16
Matrix: Solid
Date Collected: 03/01/23 11:05
Date Received: 03/03/23 08:40
Sample Depth: 0-3'

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		03/10/23 14:43	03/15/23 18:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/10/23 14:43	03/15/23 18:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/10/23 14:43	03/15/23 18:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/10/23 14:43	03/15/23 18:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/10/23 14:43	03/15/23 18:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/10/23 14:43	03/15/23 18:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*03/10/23 14:43*	*03/15/23 18:13*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*03/10/23 14:43*	*03/15/23 18:13*	*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			03/16/23 15:40	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/09/23 11:59	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/08/23 10:30	03/08/23 21:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/08/23 10:30	03/08/23 21:56	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/08/23 10:30	03/08/23 21:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*03/08/23 10:30*	*03/08/23 21:56*	*1*
o-Terphenyl	*92*		*70 - 130*	*03/08/23 10:30*	*03/08/23 21:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**80.8**		4.96		mg/Kg			03/09/23 00:49	1

Client Sample ID: SW04

Lab Sample ID: 890-4231-17
Matrix: Solid
Date Collected: 03/01/23 11:15
Date Received: 03/03/23 08:40
Sample Depth: 0-3'

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		03/10/23 14:43	03/15/23 18:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/10/23 14:43	03/15/23 18:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/10/23 14:43	03/15/23 18:34	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/10/23 14:43	03/15/23 18:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/10/23 14:43	03/15/23 18:34	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/10/23 14:43	03/15/23 18:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*03/10/23 14:43*	*03/15/23 18:34*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Maverick Baish B Battery

Job ID: 890-4231-1
SDG: 03E2057054

Client Sample ID: SW04

Lab Sample ID: 890-4231-17
Matrix: Solid
Date Collected: 03/01/23 11:15
Date Received: 03/03/23 08:40
Sample Depth: 0-3'

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*03/10/23 14:43*	*03/15/23 18:34*	*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			03/16/23 15:40	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			03/09/23 11:59	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/08/23 10:30	03/08/23 23:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/08/23 10:30	03/08/23 23:02	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/08/23 10:30	03/08/23 23:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*03/08/23 10:30*	*03/08/23 23:02*	*1*
o-Terphenyl	*107*		*70 - 130*	*03/08/23 10:30*	*03/08/23 23:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**88.4**		5.05	mg/Kg			03/09/23 00:54	1

Client Sample ID: SW06

Lab Sample ID: 890-4231-18
Matrix: Solid
Date Collected: 03/01/23 12:10
Date Received: 03/03/23 08:40
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		03/10/23 14:43	03/15/23 19:58	1
Toluene	<0.00201	U	0.00201	mg/Kg		03/10/23 14:43	03/15/23 19:58	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/10/23 14:43	03/15/23 19:58	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		03/10/23 14:43	03/15/23 19:58	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/10/23 14:43	03/15/23 19:58	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/10/23 14:43	03/15/23 19:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*03/10/23 14:43*	*03/15/23 19:58*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*03/10/23 14:43*	*03/15/23 19:58*	*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			03/16/23 15:40	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			03/09/23 11:59	1

Client Sample Results

Client: Ensolum
Project/Site: Maverick Baish B Battery

Job ID: 890-4231-1
SDG: 03E2057054

Client Sample ID: SW06

Lab Sample ID: 890-4231-18
Matrix: Solid
Date Collected: 03/01/23 12:10
Date Received: 03/03/23 08:40
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		03/08/23 10:30	03/08/23 23:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/08/23 10:30	03/08/23 23:23	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/08/23 10:30	03/08/23 23:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*03/08/23 10:30*	*03/08/23 23:23*	*1*
o-Terphenyl	*103*		*70 - 130*	*03/08/23 10:30*	*03/08/23 23:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**42.3**		5.00		mg/Kg			03/09/23 00:59	1

Client Sample ID: SW07

Lab Sample ID: 890-4231-19
Matrix: Solid
Date Collected: 03/01/23 12:15
Date Received: 03/03/23 08:40
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		03/10/23 14:43	03/15/23 20:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/10/23 14:43	03/15/23 20:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/10/23 14:43	03/15/23 20:19	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/10/23 14:43	03/15/23 20:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/10/23 14:43	03/15/23 20:19	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/10/23 14:43	03/15/23 20:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*03/10/23 14:43*	*03/15/23 20:19*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*03/10/23 14:43*	*03/15/23 20:19*	*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			03/16/23 15:40	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			03/09/23 11:59	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/08/23 10:30	03/08/23 23:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/08/23 10:30	03/08/23 23:45	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/08/23 10:30	03/08/23 23:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*03/08/23 10:30*	*03/08/23 23:45*	*1*
o-Terphenyl	*92*		*70 - 130*	*03/08/23 10:30*	*03/08/23 23:45*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Maverick Baish B Battery

Job ID: 890-4231-1
SDG: 03E2057054

Client Sample ID: SW07

Date Collected: 03/01/23 12:15
Date Received: 03/03/23 08:40
Sample Depth: 0-4'

Lab Sample ID: 890-4231-19

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	69.3		5.00		mg/Kg			03/09/23 01:03	1

Surrogate Summary

Client: Ensolum
Project/Site: Maverick Baish B Battery

Job ID: 890-4231-1
SDG: 03E2057054

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)										
880-25394-A-3-F MS	Matrix Spike	91	108										
880-25394-A-3-G MSD	Matrix Spike Duplicate	97	103										
880-25480-A-11-F MS	Matrix Spike	52 S1-	84										
880-25480-A-11-G MSD	Matrix Spike Duplicate	117	97										
890-4215-A-1-B MS	Matrix Spike	98	105										
890-4215-A-1-C MSD	Matrix Spike Duplicate	102	103										
890-4223-A-1-E MS	Matrix Spike	111	93										
890-4223-A-1-F MSD	Matrix Spike Duplicate	109	94										
890-4231-1	FS01	99	102										
890-4231-2	FS02	104	91										
890-4231-3	FS03	84	91										
890-4231-4	FS04	86	88										
890-4231-5	FS05	50 S1-	125										
890-4231-6	FS06	40 S1-	97										
890-4231-7	FS07	44 S1-	83										
890-4231-8	FS08	76	67 S1-										
890-4231-9	FS09	42 S1-	85										
890-4231-10	FS10	113	105										
890-4231-11	FS11	66 S1-	68 S1-										
890-4231-12	FS12	102	73										
890-4231-13	FS13	114	105										
890-4231-14	SW01	103	96										
890-4231-15	SW02	127	109										
890-4231-16	SW03	120	103										
890-4231-17	SW04	123	112										
890-4231-18	SW06	107	89										
890-4231-19	SW07	103	73										
LCS 880-48192/1-A	Lab Control Sample	93	102										
LCS 880-48320/1-A	Lab Control Sample	97	97										
LCS 880-48332/1-A	Lab Control Sample	102	89										
LCS 880-48442/1-A	Lab Control Sample	90	108										
LCSD 880-48192/2-A	Lab Control Sample Dup	93	103										
LCSD 880-48320/2-A	Lab Control Sample Dup	94	105										
LCSD 880-48332/2-A	Lab Control Sample Dup	99	90										
LCSD 880-48442/2-A	Lab Control Sample Dup	92	105										
MB 880-48192/5-A	Method Blank	93	95										
MB 880-48320/5-A	Method Blank	83	90										
MB 880-48332/5-A	Method Blank	84	94										
MB 880-48442/5-A	Method Blank	59 S1-	91										

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Surrogate Summary

Client: Ensolum
Project/Site: Maverick Baish B Battery

Job ID: 890-4231-1
SDG: 03E2057054

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)										
880-25357-A-22-C MS	Matrix Spike	115	111										
880-25357-A-22-D MSD	Matrix Spike Duplicate	105	106										
880-25537-A-41-E MS	Matrix Spike	126	107										
880-25537-A-41-F MSD	Matrix Spike Duplicate	125	106										
890-4231-1	FS01	120	126										
890-4231-2	FS02	115	120										
890-4231-3	FS03	103	116										
890-4231-4	FS04	101	93										
890-4231-5	FS05	109	105										
890-4231-6	FS06	109	106										
890-4231-7	FS07	105	95										
890-4231-8	FS08	102	122										
890-4231-8 MS	FS08	119	134 S1+										
890-4231-8 MSD	FS08	106	121										
890-4231-9	FS09	88	105										
890-4231-10	FS10	84	99										
890-4231-11	FS11	106	129										
890-4231-12	FS12	87	105										
890-4231-13	FS13	3 S1-	5 S1-										
890-4231-14	SW01	0.7 S1-	0.7 S1-										
890-4231-15	SW02	0.8 S1-	0.4 S1-										
890-4231-16	SW03	86	92										
890-4231-16 MS	SW03	116	117										
890-4231-16 MSD	SW03	124	117										
890-4231-17	SW04	101	107										
890-4231-18	SW06	92	103										
890-4231-19	SW07	92	92										
LCS 880-47868/2-A	Lab Control Sample	126	135 S1+										
LCS 880-48015/2-A	Lab Control Sample	101	89										
LCS 880-48107/2-A	Lab Control Sample	105	116										
LCS 880-48109/2-A	Lab Control Sample	84	98										
LCSD 880-47868/3-A	Lab Control Sample Dup	114	119										
LCSD 880-48015/3-A	Lab Control Sample Dup	95	84										
LCSD 880-48107/3-A	Lab Control Sample Dup	119	118										
LCSD 880-48109/3-A	Lab Control Sample Dup	81	97										
MB 880-47868/1-A	Method Blank	110	125										
MB 880-48015/1-A	Method Blank	121	117										
MB 880-48107/1-A	Method Blank	103	110										
MB 880-48109/1-A	Method Blank	102	124										

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum
Project/Site: Maverick Baish B Battery

Job ID: 890-4231-1
SDG: 03E2057054

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-48192/5-A
Matrix: Solid
Analysis Batch: 48425

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 48192

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/09/23 10:06	03/13/23 11:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/09/23 10:06	03/13/23 11:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/09/23 10:06	03/13/23 11:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/09/23 10:06	03/13/23 11:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/09/23 10:06	03/13/23 11:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/09/23 10:06	03/13/23 11:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*03/09/23 10:06*	*03/13/23 11:51*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*03/09/23 10:06*	*03/13/23 11:51*	*1*

Lab Sample ID: LCS 880-48192/1-A
Matrix: Solid
Analysis Batch: 48425

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 48192

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08568		mg/Kg		86	70 - 130		
Toluene			0.100	0.08848		mg/Kg		88	70 - 130		
Ethylbenzene			0.100	0.08317		mg/Kg		83	70 - 130		
m-Xylene & p-Xylene			0.200	0.1706		mg/Kg		85	70 - 130		
o-Xylene			0.100	0.08409		mg/Kg		84	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: LCSD 880-48192/2-A
Matrix: Solid
Analysis Batch: 48425

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 48192

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08482		mg/Kg		85	70 - 130	1	35
Toluene			0.100	0.08647		mg/Kg		86	70 - 130	2	35
Ethylbenzene			0.100	0.08262		mg/Kg		83	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.1696		mg/Kg		85	70 - 130	1	35
o-Xylene			0.100	0.08441		mg/Kg		84	70 - 130	0	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 890-4215-A-1-B MS
Matrix: Solid
Analysis Batch: 48425

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 48192

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U	0.0998	0.1023		mg/Kg		102	70 - 130		
Toluene	<0.00199	U	0.0998	0.1046		mg/Kg		105	70 - 130		

QC Sample Results

Client: Ensolum
Project/Site: Maverick Baish B Battery

Job ID: 890-4231-1
SDG: 03E2057054

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

Lab Sample ID: 890-4215-A-1-B MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 48425 — **Prep Batch: 48192**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U	0.0998	0.09862		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2013		mg/Kg		100	70 - 130
o-Xylene	<0.00199	U	0.0998	0.09902		mg/Kg		98	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: 890-4215-A-1-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 48425 — **Prep Batch: 48192**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.09603		mg/Kg		95	70 - 130	6	35
Toluene	<0.00199	U	0.100	0.09757		mg/Kg		97	70 - 130	7	35
Ethylbenzene	<0.00199	U	0.100	0.09340		mg/Kg		92	70 - 130	5	35
m-Xylene & p-Xylene	<0.00398	U	0.201	0.1938		mg/Kg		95	70 - 130	4	35
o-Xylene	<0.00199	U	0.100	0.09584		mg/Kg		94	70 - 130	3	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: MB 880-48320/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 48570 — **Prep Batch: 48320**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/10/23 12:35	03/14/23 11:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/10/23 12:35	03/14/23 11:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/10/23 12:35	03/14/23 11:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/10/23 12:35	03/14/23 11:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/10/23 12:35	03/14/23 11:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/10/23 12:35	03/14/23 11:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*	*03/10/23 12:35*	*03/14/23 11:43*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*03/10/23 12:35*	*03/14/23 11:43*	*1*

Lab Sample ID: LCS 880-48320/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 48570 — **Prep Batch: 48320**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene			0.100	0.09096		mg/Kg		91	70 - 130
Toluene			0.100	0.08633		mg/Kg		86	70 - 130
Ethylbenzene			0.100	0.08686		mg/Kg		87	70 - 130
m-Xylene & p-Xylene			0.200	0.1794		mg/Kg		90	70 - 130

QC Sample Results

Client: Ensolum
Project/Site: Maverick Baish B Battery

Job ID: 890-4231-1
SDG: 03E2057054

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

Lab Sample ID: LCS 880-48320/1-A
Matrix: Solid
Analysis Batch: 48570

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 48320

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.09083		mg/Kg		91	70 - 130		

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

Lab Sample ID: LCSD 880-48320/2-A
Matrix: Solid
Analysis Batch: 48570

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 48320

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09452		mg/Kg		95	70 - 130	4	35
Toluene			0.100	0.08623		mg/Kg		86	70 - 130	0	35
Ethylbenzene			0.100	0.08454		mg/Kg		85	70 - 130	3	35
m-Xylene & p-Xylene			0.200	0.1705		mg/Kg		85	70 - 130	5	35
o-Xylene			0.100	0.08598		mg/Kg		86	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: 880-25480-A-11-F MS
Matrix: Solid
Analysis Batch: 48570

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 48320

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00198	U F1	0.0998	0.04568	F1	mg/Kg		45	70 - 130		
Toluene	<0.00198	U F1 F2	0.0998	0.04254	F1	mg/Kg		41	70 - 130		
Ethylbenzene	<0.00198	U F1 F2	0.0998	0.03566	F1	mg/Kg		36	70 - 130		
m-Xylene & p-Xylene	<0.00396	U F1 F2	0.200	0.05862	F1	mg/Kg		29	70 - 130		
o-Xylene	<0.00198	U F1 F2	0.0998	0.02939	F1	mg/Kg		29	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*52*	*S1-*	*70 - 130*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*

Lab Sample ID: 880-25480-A-11-G MSD
Matrix: Solid
Analysis Batch: 48570

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 48320

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U F1	0.100	0.05128	F1	mg/Kg		51	70 - 130	12	35
Toluene	<0.00198	U F1 F2	0.100	0.06096	F1 F2	mg/Kg		59	70 - 130	36	35
Ethylbenzene	<0.00198	U F1 F2	0.100	0.07369	F2	mg/Kg		74	70 - 130	70	35
m-Xylene & p-Xylene	<0.00396	U F1 F2	0.200	0.1519	F2	mg/Kg		76	70 - 130	89	35
o-Xylene	<0.00198	U F1 F2	0.100	0.07690	F2	mg/Kg		76	70 - 130	89	35

QC Sample Results

Client: Ensolum
Project/Site: Maverick Baish B Battery

Job ID: 890-4231-1
SDG: 03E2057054

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

Lab Sample ID: 880-25480-A-11-G MSD
Matrix: Solid
Analysis Batch: 48570

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 48320

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: MB 880-48332/5-A
Matrix: Solid
Analysis Batch: 48639

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 48332

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/10/23 14:43	03/15/23 13:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/10/23 14:43	03/15/23 13:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/10/23 14:43	03/15/23 13:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/10/23 14:43	03/15/23 13:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/10/23 14:43	03/15/23 13:23	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/10/23 14:43	03/15/23 13:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	03/10/23 14:43	03/15/23 13:23	1
1,4-Difluorobenzene (Surr)	94		70 - 130	03/10/23 14:43	03/15/23 13:23	1

Lab Sample ID: LCS 880-48332/1-A
Matrix: Solid
Analysis Batch: 48639

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 48332

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.07765		mg/Kg		78	70 - 130		
Toluene			0.100	0.07670		mg/Kg		77	70 - 130		
Ethylbenzene			0.100	0.07977		mg/Kg		80	70 - 130		
m-Xylene & p-Xylene			0.200	0.1622		mg/Kg		81	70 - 130		
o-Xylene			0.100	0.08264		mg/Kg		83	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: LCSD 880-48332/2-A
Matrix: Solid
Analysis Batch: 48639

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 48332

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08413		mg/Kg		84	70 - 130	8	35
Toluene			0.100	0.08221		mg/Kg		82	70 - 130	7	35
Ethylbenzene			0.100	0.08334		mg/Kg		83	70 - 130	4	35
m-Xylene & p-Xylene			0.200	0.1699		mg/Kg		85	70 - 130	5	35
o-Xylene			0.100	0.08958		mg/Kg		90	70 - 130	8	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130

QC Sample Results

Client: Ensolum
Project/Site: Maverick Baish B Battery

Job ID: 890-4231-1
SDG: 03E2057054

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

Lab Sample ID: LCSD 880-48332/2-A
Matrix: Solid
Analysis Batch: 48639

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 48332

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: 890-4223-A-1-E MS
Matrix: Solid
Analysis Batch: 48639

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 48332

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00201	U F1	0.100	0.03352	F1	mg/Kg		33	70 - 130		
Toluene	<0.00201	U F1	0.100	0.03897	F1	mg/Kg		39	70 - 130		
Ethylbenzene	<0.00201	U F1	0.100	0.04351	F1	mg/Kg		43	70 - 130		
m-Xylene & p-Xylene	<0.00402	U F1	0.200	0.08603	F1	mg/Kg		43	70 - 130		
o-Xylene	<0.00201	U F1	0.100	0.04474	F1	mg/Kg		45	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: 890-4223-A-1-F MSD
Matrix: Solid
Analysis Batch: 48639

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 48332

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U F1	0.0996	0.02719	F1	mg/Kg		27	70 - 130	21	35
Toluene	<0.00201	U F1	0.0996	0.03113	F1	mg/Kg		31	70 - 130	22	35
Ethylbenzene	<0.00201	U F1	0.0996	0.03380	F1	mg/Kg		34	70 - 130	25	35
m-Xylene & p-Xylene	<0.00402	U F1	0.199	0.06818	F1	mg/Kg		34	70 - 130	23	35
o-Xylene	<0.00201	U F1	0.0996	0.03787	F1	mg/Kg		38	70 - 130	17	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: MB 880-48442/5-A
Matrix: Solid
Analysis Batch: 48426

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 48442

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/13/23 08:00	03/13/23 11:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/13/23 08:00	03/13/23 11:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/13/23 08:00	03/13/23 11:59	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/13/23 08:00	03/13/23 11:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/13/23 08:00	03/13/23 11:59	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/13/23 08:00	03/13/23 11:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	59	S1-	70 - 130	03/13/23 08:00	03/13/23 11:59	1
1,4-Difluorobenzene (Surr)	91		70 - 130	03/13/23 08:00	03/13/23 11:59	1

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QC Sample Results

Client: Ensolum
Project/Site: Maverick Baish B Battery

Job ID: 890-4231-1
SDG: 03E2057054

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

Lab Sample ID: LCS 880-48442/1-A
Matrix: Solid
Analysis Batch: 48426

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 48442

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1007		mg/Kg		101	70 - 130		
Toluene			0.100	0.08959		mg/Kg		90	70 - 130		
Ethylbenzene			0.100	0.09671		mg/Kg		97	70 - 130		
m-Xylene & p-Xylene			0.200	0.2023		mg/Kg		101	70 - 130		
o-Xylene			0.100	0.09558		mg/Kg		96	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

Lab Sample ID: LCSD 880-48442/2-A
Matrix: Solid
Analysis Batch: 48426

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 48442

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1032		mg/Kg		103	70 - 130	2	35
Toluene			0.100	0.08730		mg/Kg		87	70 - 130	3	35
Ethylbenzene			0.100	0.09347		mg/Kg		93	70 - 130	3	35
m-Xylene & p-Xylene			0.200	0.1962		mg/Kg		98	70 - 130	3	35
o-Xylene			0.100	0.09363		mg/Kg		94	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: 880-25394-A-3-F MS
Matrix: Solid
Analysis Batch: 48426

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 48442

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.1049		mg/Kg		105	70 - 130		
Toluene	<0.00200	U	0.100	0.09636		mg/Kg		96	70 - 130		
Ethylbenzene	<0.00200	U	0.100	0.1053		mg/Kg		105	70 - 130		
m-Xylene & p-Xylene	<0.00400	U	0.201	0.2196		mg/Kg		108	70 - 130		
o-Xylene	<0.00200	U	0.100	0.1024		mg/Kg		102	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

Lab Sample ID: 880-25394-A-3-G MSD
Matrix: Solid
Analysis Batch: 48426

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 48442

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0996	0.1009		mg/Kg		101	70 - 130	4	35
Toluene	<0.00200	U	0.0996	0.09566		mg/Kg		96	70 - 130	1	35
Ethylbenzene	<0.00200	U	0.0996	0.1025		mg/Kg		103	70 - 130	3	35

QC Sample Results

Client: Ensolum
Project/Site: Maverick Baish B Battery

Job ID: 890-4231-1
SDG: 03E2057054

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

Lab Sample ID: 880-25394-A-3-G MSD
Matrix: Solid
Analysis Batch: 48426

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 48442

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00400	U	0.199	0.2150		mg/Kg		107	70 - 130	2	35
o-Xylene	<0.00200	U	0.0996	0.1025		mg/Kg		103	70 - 130	0	35

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

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

Lab Sample ID: MB 880-47868/1-A
Matrix: Solid
Analysis Batch: 47856

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 47868

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/06/23 08:24	03/06/23 08:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/06/23 08:24	03/06/23 08:33	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/06/23 08:24	03/06/23 08:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*03/06/23 08:24*	*03/06/23 08:33*	*1*
o-Terphenyl	*125*		*70 - 130*	*03/06/23 08:24*	*03/06/23 08:33*	*1*

Lab Sample ID: LCS 880-47868/2-A
Matrix: Solid
Analysis Batch: 47856

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 47868

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1067		mg/Kg		107	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1020		mg/Kg		102	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*126*		*70 - 130*
o-Terphenyl	*135*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-47868/3-A
Matrix: Solid
Analysis Batch: 47856

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 47868

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	961.3		mg/Kg		96	70 - 130	10	20
Diesel Range Organics (Over C10-C28)			1000	912.4		mg/Kg		91	70 - 130	11	20

QC Sample Results

Client: Ensolum
Project/Site: Maverick Baish B Battery

Job ID: 890-4231-1
SDG: 03E2057054

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

Lab Sample ID: LCSD 880-47868/3-A
Matrix: Solid
Analysis Batch: 47856

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 47868

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	114		70 - 130
o-Terphenyl	119		70 - 130

Lab Sample ID: 880-25357-A-22-C MS
Matrix: Solid
Analysis Batch: 47856

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 47868

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	999.6		mg/Kg		97	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1099		mg/Kg		110	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	115		70 - 130
o-Terphenyl	111		70 - 130

Lab Sample ID: 880-25357-A-22-D MSD
Matrix: Solid
Analysis Batch: 47856

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 47868

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	<49.9	U	999	1079		mg/Kg		105	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1050		mg/Kg		105	70 - 130	5	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	106		70 - 130

Lab Sample ID: MB 880-48015/1-A
Matrix: Solid
Analysis Batch: 47992

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 48015

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/07/23 10:19	03/07/23 19:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/07/23 10:19	03/07/23 19:58	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/07/23 10:19	03/07/23 19:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130	03/07/23 10:19	03/07/23 19:58	1
o-Terphenyl	117		70 - 130	03/07/23 10:19	03/07/23 19:58	1

QC Sample Results

Client: Ensolum
Project/Site: Maverick Baish B Battery

Job ID: 890-4231-1
SDG: 03E2057054

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

Lab Sample ID: LCS 880-48015/2-A
Matrix: Solid
Analysis Batch: 47992

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 48015

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	912.7		mg/Kg		91	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	818.2		mg/Kg		82	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*101*		*70 - 130*
o-Terphenyl	*89*		*70 - 130*

Lab Sample ID: LCSD 880-48015/3-A
Matrix: Solid
Analysis Batch: 47992

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 48015

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	891.6		mg/Kg		89	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	809.4		mg/Kg		81	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*95*		*70 - 130*
o-Terphenyl	*84*		*70 - 130*

Lab Sample ID: 880-25537-A-41-E MS
Matrix: Solid
Analysis Batch: 47992

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 48015

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1051		mg/Kg		101	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	999	837.6		mg/Kg		82	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*126*		*70 - 130*
o-Terphenyl	*107*		*70 - 130*

Lab Sample ID: 880-25537-A-41-F MSD
Matrix: Solid
Analysis Batch: 47992

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 48015

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	<49.9	U	999	1056		mg/Kg		102	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	828.6		mg/Kg		81	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*125*		*70 - 130*

QC Sample Results

Client: Ensolum
Project/Site: Maverick Baish B Battery

Job ID: 890-4231-1
SDG: 03E2057054

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

Lab Sample ID: 880-25537-A-41-F MSD
Matrix: Solid
Analysis Batch: 47992

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 48015

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

Lab Sample ID: MB 880-48107/1-A
Matrix: Solid
Analysis Batch: 48081

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 48107

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/08/23 10:30	03/08/23 20:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/08/23 10:30	03/08/23 20:50	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/08/23 10:30	03/08/23 20:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	03/08/23 10:30	03/08/23 20:50	1
o-Terphenyl	110		70 - 130	03/08/23 10:30	03/08/23 20:50	1

Lab Sample ID: LCS 880-48107/2-A
Matrix: Solid
Analysis Batch: 48081

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 48107

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	951.6		mg/Kg		95	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1208		mg/Kg		121	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	116		70 - 130

Lab Sample ID: LCSD 880-48107/3-A
Matrix: Solid
Analysis Batch: 48081

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 48107

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	941.9		mg/Kg		94	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	1154		mg/Kg		115	70 - 130	5	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	119		70 - 130
o-Terphenyl	118		70 - 130

QC Sample Results

Client: Ensolum
Project/Site: Maverick Baish B Battery

Job ID: 890-4231-1
SDG: 03E2057054

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

Lab Sample ID: 890-4231-16 MS
Matrix: Solid
Analysis Batch: 48081

Client Sample ID: SW03
Prep Type: Total/NA
Prep Batch: 48107

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	1008		mg/Kg		97	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	998	988.9		mg/Kg		99	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*116*		*70 - 130*
o-Terphenyl	*117*		*70 - 130*

Lab Sample ID: 890-4231-16 MSD
Matrix: Solid
Analysis Batch: 48081

Client Sample ID: SW03
Prep Type: Total/NA
Prep Batch: 48107

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	<49.9	U	999	947.7		mg/Kg		91	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	994.0		mg/Kg		99	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*124*		*70 - 130*
o-Terphenyl	*117*		*70 - 130*

Lab Sample ID: MB 880-48109/1-A
Matrix: Solid
Analysis Batch: 48083

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 48109

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/08/23 10:34	03/08/23 20:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/08/23 10:34	03/08/23 20:50	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/08/23 10:34	03/08/23 20:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*03/08/23 10:34*	*03/08/23 20:50*	*1*
o-Terphenyl	*124*		*70 - 130*	*03/08/23 10:34*	*03/08/23 20:50*	*1*

Lab Sample ID: LCS 880-48109/2-A
Matrix: Solid
Analysis Batch: 48083

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 48109

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10			1000	1190		mg/Kg		119	70 - 130
Diesel Range Organics (Over C10-C28)			1000	1034		mg/Kg		103	70 - 130

QC Sample Results

Client: Ensolum
Project/Site: Maverick Baish B Battery

Job ID: 890-4231-1
SDG: 03E2057054

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

Lab Sample ID: LCS 880-48109/2-A
Matrix: Solid
Analysis Batch: 48083

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 48109

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	84		70 - 130
o-Terphenyl	98		70 - 130

Lab Sample ID: LCSD 880-48109/3-A
Matrix: Solid
Analysis Batch: 48083

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 48109

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1057		mg/Kg		106	70 - 130	12	20
Diesel Range Organics (Over C10-C28)			1000	857.9		mg/Kg		86	70 - 130	19	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	81		70 - 130
o-Terphenyl	97		70 - 130

Lab Sample ID: 890-4231-8 MS
Matrix: Solid
Analysis Batch: 48083

Client Sample ID: FS08
Prep Type: Total/NA
Prep Batch: 48109

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	1000	1010		mg/Kg		101	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	1068		mg/Kg		107	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	119		70 - 130
o-Terphenyl	134	S1+	70 - 130

Lab Sample ID: 890-4231-8 MSD
Matrix: Solid
Analysis Batch: 48083

Client Sample ID: FS08
Prep Type: Total/NA
Prep Batch: 48109

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	1000	884.3		mg/Kg		88	70 - 130	13	20
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	959.6		mg/Kg		96	70 - 130	11	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	106		70 - 130
o-Terphenyl	121		70 - 130

QC Sample Results

Client: Ensolum
Project/Site: Maverick Baish B Battery

Job ID: 890-4231-1
SDG: 03E2057054

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-48060/1-A
Matrix: Solid
Analysis Batch: 48158

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			03/08/23 22:43	1

Lab Sample ID: LCS 880-48060/2-A
Matrix: Solid
Analysis Batch: 48158

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	273.7		mg/Kg		109	90 - 110		

Lab Sample ID: LCSD 880-48060/3-A
Matrix: Solid
Analysis Batch: 48158

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	274.0		mg/Kg		110	90 - 110	0	20

Lab Sample ID: 890-4231-1 MS
Matrix: Solid
Analysis Batch: 48158

Client Sample ID: FS01
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	53.7		249	323.3		mg/Kg		108	90 - 110		

Lab Sample ID: 890-4231-1 MSD
Matrix: Solid
Analysis Batch: 48158

Client Sample ID: FS01
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	53.7		249	323.0		mg/Kg		108	90 - 110	0	20

Lab Sample ID: 890-4231-11 MS
Matrix: Solid
Analysis Batch: 48158

Client Sample ID: FS11
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	158	F1	249	345.7	F1	mg/Kg		75	90 - 110		

Lab Sample ID: 890-4231-11 MSD
Matrix: Solid
Analysis Batch: 48158

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	158	F1	249	342.8	F1	mg/Kg		74	90 - 110	1	20

QC Association Summary

Client: Ensolum
Project/Site: Maverick Baish B Battery

Job ID: 890-4231-1
SDG: 03E2057054

GC VOA

Prep Batch: 48192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4231-4	FS04	Total/NA	Solid	5035	
890-4231-5	FS05	Total/NA	Solid	5035	
890-4231-6	FS06	Total/NA	Solid	5035	
MB 880-48192/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-48192/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-48192/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-4215-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
890-4215-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 48320

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4231-10	FS10	Total/NA	Solid	5035	
890-4231-15	SW02	Total/NA	Solid	5035	
MB 880-48320/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-48320/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-48320/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-25480-A-11-F MS	Matrix Spike	Total/NA	Solid	5035	
880-25480-A-11-G MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 48332

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4231-7	FS07	Total/NA	Solid	5035	
890-4231-8	FS08	Total/NA	Solid	5035	
890-4231-9	FS09	Total/NA	Solid	5035	
890-4231-11	FS11	Total/NA	Solid	5035	
890-4231-12	FS12	Total/NA	Solid	5035	
890-4231-13	FS13	Total/NA	Solid	5035	
890-4231-16	SW03	Total/NA	Solid	5035	
890-4231-17	SW04	Total/NA	Solid	5035	
890-4231-18	SW06	Total/NA	Solid	5035	
890-4231-19	SW07	Total/NA	Solid	5035	
MB 880-48332/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-48332/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-48332/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-4223-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
890-4223-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 48425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4231-4	FS04	Total/NA	Solid	8021B	48192
890-4231-5	FS05	Total/NA	Solid	8021B	48192
890-4231-6	FS06	Total/NA	Solid	8021B	48192
MB 880-48192/5-A	Method Blank	Total/NA	Solid	8021B	48192
LCS 880-48192/1-A	Lab Control Sample	Total/NA	Solid	8021B	48192
LCSD 880-48192/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48192
890-4215-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	48192
890-4215-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	48192

Analysis Batch: 48426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4231-1	FS01	Total/NA	Solid	8021B	48442

QC Association Summary

Client: Ensolum
Project/Site: Maverick Baish B Battery

Job ID: 890-4231-1
SDG: 03E2057054

GC VOA (Continued)

Analysis Batch: 48426 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4231-2	FS02	Total/NA	Solid	8021B	48442
890-4231-3	FS03	Total/NA	Solid	8021B	48442
890-4231-14	SW01	Total/NA	Solid	8021B	48442
MB 880-48442/5-A	Method Blank	Total/NA	Solid	8021B	48442
LCS 880-48442/1-A	Lab Control Sample	Total/NA	Solid	8021B	48442
LCSD 880-48442/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48442
880-25394-A-3-F MS	Matrix Spike	Total/NA	Solid	8021B	48442
880-25394-A-3-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	48442

Prep Batch: 48442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4231-1	FS01	Total/NA	Solid	5035	
890-4231-2	FS02	Total/NA	Solid	5035	
890-4231-3	FS03	Total/NA	Solid	5035	
890-4231-14	SW01	Total/NA	Solid	5035	
MB 880-48442/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-48442/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-48442/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-25394-A-3-F MS	Matrix Spike	Total/NA	Solid	5035	
880-25394-A-3-G MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 48540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4231-1	FS01	Total/NA	Solid	Total BTEX	
890-4231-2	FS02	Total/NA	Solid	Total BTEX	
890-4231-3	FS03	Total/NA	Solid	Total BTEX	
890-4231-4	FS04	Total/NA	Solid	Total BTEX	
890-4231-5	FS05	Total/NA	Solid	Total BTEX	
890-4231-6	FS06	Total/NA	Solid	Total BTEX	
890-4231-7	FS07	Total/NA	Solid	Total BTEX	
890-4231-8	FS08	Total/NA	Solid	Total BTEX	
890-4231-9	FS09	Total/NA	Solid	Total BTEX	
890-4231-10	FS10	Total/NA	Solid	Total BTEX	
890-4231-11	FS11	Total/NA	Solid	Total BTEX	
890-4231-12	FS12	Total/NA	Solid	Total BTEX	
890-4231-13	FS13	Total/NA	Solid	Total BTEX	
890-4231-14	SW01	Total/NA	Solid	Total BTEX	
890-4231-15	SW02	Total/NA	Solid	Total BTEX	
890-4231-16	SW03	Total/NA	Solid	Total BTEX	
890-4231-17	SW04	Total/NA	Solid	Total BTEX	
890-4231-18	SW06	Total/NA	Solid	Total BTEX	
890-4231-19	SW07	Total/NA	Solid	Total BTEX	

Analysis Batch: 48570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4231-10	FS10	Total/NA	Solid	8021B	48320
890-4231-15	SW02	Total/NA	Solid	8021B	48320
MB 880-48320/5-A	Method Blank	Total/NA	Solid	8021B	48320
LCS 880-48320/1-A	Lab Control Sample	Total/NA	Solid	8021B	48320
LCSD 880-48320/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48320
880-25480-A-11-F MS	Matrix Spike	Total/NA	Solid	8021B	48320

QC Association Summary

Client: Ensolum
Project/Site: Maverick Baish B Battery

Job ID: 890-4231-1
SDG: 03E2057054

GC VOA (Continued)

Analysis Batch: 48570 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25480-A-11-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	48320

Analysis Batch: 48639

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4231-7	FS07	Total/NA	Solid	8021B	48332
890-4231-8	FS08	Total/NA	Solid	8021B	48332
890-4231-9	FS09	Total/NA	Solid	8021B	48332
890-4231-11	FS11	Total/NA	Solid	8021B	48332
890-4231-12	FS12	Total/NA	Solid	8021B	48332
890-4231-13	FS13	Total/NA	Solid	8021B	48332
890-4231-16	SW03	Total/NA	Solid	8021B	48332
890-4231-17	SW04	Total/NA	Solid	8021B	48332
890-4231-18	SW06	Total/NA	Solid	8021B	48332
890-4231-19	SW07	Total/NA	Solid	8021B	48332
MB 880-48332/5-A	Method Blank	Total/NA	Solid	8021B	48332
LCS 880-48332/1-A	Lab Control Sample	Total/NA	Solid	8021B	48332
LCSD 880-48332/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48332
890-4223-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	48332
890-4223-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	48332

GC Semi VOA

Analysis Batch: 47856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4231-1	FS01	Total/NA	Solid	8015B NM	47868
890-4231-2	FS02	Total/NA	Solid	8015B NM	47868
890-4231-3	FS03	Total/NA	Solid	8015B NM	47868
MB 880-47868/1-A	Method Blank	Total/NA	Solid	8015B NM	47868
LCS 880-47868/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	47868
LCSD 880-47868/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	47868
880-25357-A-22-C MS	Matrix Spike	Total/NA	Solid	8015B NM	47868
880-25357-A-22-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	47868

Prep Batch: 47868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4231-1	FS01	Total/NA	Solid	8015NM Prep	
890-4231-2	FS02	Total/NA	Solid	8015NM Prep	
890-4231-3	FS03	Total/NA	Solid	8015NM Prep	
MB 880-47868/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-47868/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-47868/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-25357-A-22-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-25357-A-22-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 47992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4231-4	FS04	Total/NA	Solid	8015B NM	48015
890-4231-5	FS05	Total/NA	Solid	8015B NM	48015
890-4231-6	FS06	Total/NA	Solid	8015B NM	48015
890-4231-7	FS07	Total/NA	Solid	8015B NM	48015
MB 880-48015/1-A	Method Blank	Total/NA	Solid	8015B NM	48015

QC Association Summary

Client: Ensolum
Project/Site: Maverick Baish B Battery

Job ID: 890-4231-1
SDG: 03E2057054

GC Semi VOA (Continued)

Analysis Batch: 47992 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-48015/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	48015
LCSD 880-48015/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	48015
880-25537-A-41-E MS	Matrix Spike	Total/NA	Solid	8015B NM	48015
880-25537-A-41-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	48015

Prep Batch: 48015

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4231-4	FS04	Total/NA	Solid	8015NM Prep	
890-4231-5	FS05	Total/NA	Solid	8015NM Prep	
890-4231-6	FS06	Total/NA	Solid	8015NM Prep	
890-4231-7	FS07	Total/NA	Solid	8015NM Prep	
MB 880-48015/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-48015/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-48015/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-25537-A-41-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-25537-A-41-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 48051

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4231-1	FS01	Total/NA	Solid	8015 NM	
890-4231-2	FS02	Total/NA	Solid	8015 NM	
890-4231-3	FS03	Total/NA	Solid	8015 NM	
890-4231-4	FS04	Total/NA	Solid	8015 NM	
890-4231-5	FS05	Total/NA	Solid	8015 NM	
890-4231-6	FS06	Total/NA	Solid	8015 NM	
890-4231-7	FS07	Total/NA	Solid	8015 NM	
890-4231-8	FS08	Total/NA	Solid	8015 NM	
890-4231-9	FS09	Total/NA	Solid	8015 NM	
890-4231-10	FS10	Total/NA	Solid	8015 NM	
890-4231-11	FS11	Total/NA	Solid	8015 NM	
890-4231-12	FS12	Total/NA	Solid	8015 NM	
890-4231-13	FS13	Total/NA	Solid	8015 NM	
890-4231-14	SW01	Total/NA	Solid	8015 NM	
890-4231-15	SW02	Total/NA	Solid	8015 NM	
890-4231-16	SW03	Total/NA	Solid	8015 NM	
890-4231-17	SW04	Total/NA	Solid	8015 NM	
890-4231-18	SW06	Total/NA	Solid	8015 NM	
890-4231-19	SW07	Total/NA	Solid	8015 NM	

Analysis Batch: 48081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4231-16	SW03	Total/NA	Solid	8015B NM	48107
890-4231-17	SW04	Total/NA	Solid	8015B NM	48107
890-4231-18	SW06	Total/NA	Solid	8015B NM	48107
890-4231-19	SW07	Total/NA	Solid	8015B NM	48107
MB 880-48107/1-A	Method Blank	Total/NA	Solid	8015B NM	48107
LCS 880-48107/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	48107
LCSD 880-48107/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	48107
890-4231-16 MS	SW03	Total/NA	Solid	8015B NM	48107
890-4231-16 MSD	SW03	Total/NA	Solid	8015B NM	48107

QC Association Summary

Client: Ensolum
Project/Site: Maverick Baish B Battery

Job ID: 890-4231-1
SDG: 03E2057054

GC Semi VOA

Analysis Batch: 48083

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4231-8	FS08	Total/NA	Solid	8015B NM	48109
890-4231-9	FS09	Total/NA	Solid	8015B NM	48109
890-4231-10	FS10	Total/NA	Solid	8015B NM	48109
890-4231-11	FS11	Total/NA	Solid	8015B NM	48109
890-4231-12	FS12	Total/NA	Solid	8015B NM	48109
890-4231-13	FS13	Total/NA	Solid	8015B NM	48109
890-4231-14	SW01	Total/NA	Solid	8015B NM	48109
890-4231-15	SW02	Total/NA	Solid	8015B NM	48109
MB 880-48109/1-A	Method Blank	Total/NA	Solid	8015B NM	48109
LCS 880-48109/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	48109
LCSD 880-48109/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	48109
890-4231-8 MS	FS08	Total/NA	Solid	8015B NM	48109
890-4231-8 MSD	FS08	Total/NA	Solid	8015B NM	48109

Prep Batch: 48107

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4231-16	SW03	Total/NA	Solid	8015NM Prep	
890-4231-17	SW04	Total/NA	Solid	8015NM Prep	
890-4231-18	SW06	Total/NA	Solid	8015NM Prep	
890-4231-19	SW07	Total/NA	Solid	8015NM Prep	
MB 880-48107/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-48107/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-48107/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4231-16 MS	SW03	Total/NA	Solid	8015NM Prep	
890-4231-16 MSD	SW03	Total/NA	Solid	8015NM Prep	

Prep Batch: 48109

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4231-8	FS08	Total/NA	Solid	8015NM Prep	
890-4231-9	FS09	Total/NA	Solid	8015NM Prep	
890-4231-10	FS10	Total/NA	Solid	8015NM Prep	
890-4231-11	FS11	Total/NA	Solid	8015NM Prep	
890-4231-12	FS12	Total/NA	Solid	8015NM Prep	
890-4231-13	FS13	Total/NA	Solid	8015NM Prep	
890-4231-14	SW01	Total/NA	Solid	8015NM Prep	
890-4231-15	SW02	Total/NA	Solid	8015NM Prep	
MB 880-48109/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-48109/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-48109/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4231-8 MS	FS08	Total/NA	Solid	8015NM Prep	
890-4231-8 MSD	FS08	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 48060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4231-1	FS01	Soluble	Solid	DI Leach	
890-4231-2	FS02	Soluble	Solid	DI Leach	
890-4231-3	FS03	Soluble	Solid	DI Leach	
890-4231-4	FS04	Soluble	Solid	DI Leach	
890-4231-5	FS05	Soluble	Solid	DI Leach	

QC Association Summary

Client: Ensolum
Project/Site: Maverick Baish B Battery

Job ID: 890-4231-1
SDG: 03E2057054

HPLC/IC (Continued)

Leach Batch: 48060 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4231-6	FS06	Soluble	Solid	DI Leach	
890-4231-7	FS07	Soluble	Solid	DI Leach	
890-4231-8	FS08	Soluble	Solid	DI Leach	
890-4231-9	FS09	Soluble	Solid	DI Leach	
890-4231-10	FS10	Soluble	Solid	DI Leach	
890-4231-11	FS11	Soluble	Solid	DI Leach	
890-4231-12	FS12	Soluble	Solid	DI Leach	
890-4231-13	FS13	Soluble	Solid	DI Leach	
890-4231-14	SW01	Soluble	Solid	DI Leach	
890-4231-15	SW02	Soluble	Solid	DI Leach	
890-4231-16	SW03	Soluble	Solid	DI Leach	
890-4231-17	SW04	Soluble	Solid	DI Leach	
890-4231-18	SW06	Soluble	Solid	DI Leach	
890-4231-19	SW07	Soluble	Solid	DI Leach	
MB 880-48060/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-48060/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-48060/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-4231-1 MS	FS01	Soluble	Solid	DI Leach	
890-4231-1 MSD	FS01	Soluble	Solid	DI Leach	
890-4231-11 MS	FS11	Soluble	Solid	DI Leach	
890-4231-11 MSD	FS11	Soluble	Solid	DI Leach	

Analysis Batch: 48158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4231-1	FS01	Soluble	Solid	300.0	48060
890-4231-2	FS02	Soluble	Solid	300.0	48060
890-4231-3	FS03	Soluble	Solid	300.0	48060
890-4231-4	FS04	Soluble	Solid	300.0	48060
890-4231-5	FS05	Soluble	Solid	300.0	48060
890-4231-6	FS06	Soluble	Solid	300.0	48060
890-4231-7	FS07	Soluble	Solid	300.0	48060
890-4231-8	FS08	Soluble	Solid	300.0	48060
890-4231-9	FS09	Soluble	Solid	300.0	48060
890-4231-10	FS10	Soluble	Solid	300.0	48060
890-4231-11	FS11	Soluble	Solid	300.0	48060
890-4231-12	FS12	Soluble	Solid	300.0	48060
890-4231-13	FS13	Soluble	Solid	300.0	48060
890-4231-14	SW01	Soluble	Solid	300.0	48060
890-4231-15	SW02	Soluble	Solid	300.0	48060
890-4231-16	SW03	Soluble	Solid	300.0	48060
890-4231-17	SW04	Soluble	Solid	300.0	48060
890-4231-18	SW06	Soluble	Solid	300.0	48060
890-4231-19	SW07	Soluble	Solid	300.0	48060
MB 880-48060/1-A	Method Blank	Soluble	Solid	300.0	48060
LCS 880-48060/2-A	Lab Control Sample	Soluble	Solid	300.0	48060
LCSD 880-48060/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	48060
890-4231-1 MS	FS01	Soluble	Solid	300.0	48060
890-4231-1 MSD	FS01	Soluble	Solid	300.0	48060
890-4231-11 MS	FS11	Soluble	Solid	300.0	48060
890-4231-11 MSD	FS11	Soluble	Solid	300.0	48060

Lab Chronicle

Client: Ensolum
Project/Site: Maverick Baish B Battery

Job ID: 890-4231-1
SDG: 03E2057054

Client Sample ID: FS01

Lab Sample ID: 890-4231-1
Matrix: Solid
Date Collected: 02/27/23 13:50
Date Received: 03/03/23 08:40

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	48442	03/13/23 08:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48426	03/13/23 14:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48540	03/13/23 17:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			48051	03/07/23 13:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47868	03/06/23 08:24	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47856	03/06/23 18:27	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	48060	03/07/23 14:28	KS	EET MID
Soluble	Analysis	300.0		1			48158	03/08/23 22:57	SMC	EET MID

Client Sample ID: FS02

Lab Sample ID: 890-4231-2
Matrix: Solid
Date Collected: 02/27/23 13:55
Date Received: 03/03/23 08:40

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	48442	03/13/23 08:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48426	03/13/23 15:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48540	03/13/23 17:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			48051	03/07/23 13:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47868	03/06/23 08:24	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47856	03/06/23 18:49	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	48060	03/07/23 14:28	KS	EET MID
Soluble	Analysis	300.0		1			48158	03/08/23 23:12	SMC	EET MID

Client Sample ID: FS03

Lab Sample ID: 890-4231-3
Matrix: Solid
Date Collected: 02/27/23 14:40
Date Received: 03/03/23 08:40

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	48442	03/13/23 08:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48426	03/13/23 15:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48540	03/13/23 17:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			48051	03/07/23 13:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47868	03/06/23 08:24	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47856	03/06/23 19:11	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	48060	03/07/23 14:28	KS	EET MID
Soluble	Analysis	300.0		1			48158	03/08/23 23:17	SMC	EET MID

Client Sample ID: FS04

Lab Sample ID: 890-4231-4
Matrix: Solid
Date Collected: 02/28/23 11:35
Date Received: 03/03/23 08:40

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	48192	03/09/23 10:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48425	03/13/23 18:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48540	03/16/23 15:40	SM	EET MID

Lab Chronicle

Client: Ensolum
Project/Site: Maverick Baish B Battery

Job ID: 890-4231-1
SDG: 03E2057054

Client Sample ID: FS04
Date Collected: 02/28/23 11:35
Date Received: 03/03/23 08:40

Lab Sample ID: 890-4231-4
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			48051	03/08/23 15:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48015	03/07/23 10:19	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47992	03/08/23 02:00	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	48060	03/07/23 14:28	KS	EET MID
Soluble	Analysis	300.0		1			48158	03/08/23 23:22	SMC	EET MID

Client Sample ID: FS05
Date Collected: 02/28/23 11:40
Date Received: 03/03/23 08:40

Lab Sample ID: 890-4231-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	48192	03/09/23 10:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48425	03/13/23 18:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48540	03/16/23 15:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			48051	03/08/23 15:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48015	03/07/23 10:19	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47992	03/08/23 02:21	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	48060	03/07/23 14:28	KS	EET MID
Soluble	Analysis	300.0		1			48158	03/08/23 23:26	SMC	EET MID

Client Sample ID: FS06
Date Collected: 02/28/23 11:45
Date Received: 03/03/23 08:40

Lab Sample ID: 890-4231-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	48192	03/09/23 10:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48425	03/13/23 18:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48540	03/16/23 15:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			48051	03/08/23 15:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48015	03/07/23 10:19	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47992	03/08/23 02:42	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	48060	03/07/23 14:28	KS	EET MID
Soluble	Analysis	300.0		1			48158	03/08/23 23:41	SMC	EET MID

Client Sample ID: FS07
Date Collected: 03/01/23 08:00
Date Received: 03/03/23 08:40

Lab Sample ID: 890-4231-7
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			5.05 g	5 mL	48332	03/10/23 14:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48639	03/15/23 14:05	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48540	03/16/23 15:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			48051	03/08/23 15:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48015	03/07/23 10:19	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47992	03/08/23 03:03	AJ	EET MID

Lab Chronicle

Client: Ensolum
Project/Site: Maverick Baish B Battery

Job ID: 890-4231-1
SDG: 03E2057054

Client Sample ID: FS07
Date Collected: 03/01/23 08:00
Date Received: 03/03/23 08:40

Lab Sample ID: 890-4231-7
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			5.02 g	50 mL	48060	03/07/23 14:28	KS	EET MID
Soluble	Analysis	300.0		1			48158	03/08/23 23:46	SMC	EET MID

Client Sample ID: FS08
Date Collected: 03/01/23 07:55
Date Received: 03/03/23 08:40

Lab Sample ID: 890-4231-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	48332	03/10/23 14:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48639	03/15/23 14:26	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48540	03/16/23 15:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			48051	03/09/23 12:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	48109	03/08/23 10:34	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48083	03/08/23 21:56	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	48060	03/07/23 14:28	KS	EET MID
Soluble	Analysis	300.0		1			48158	03/08/23 23:51	SMC	EET MID

Client Sample ID: FS09
Date Collected: 03/01/23 12:00
Date Received: 03/03/23 08:40

Lab Sample ID: 890-4231-9
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			4.99 g	5 mL	48332	03/10/23 14:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48639	03/15/23 14:47	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48540	03/16/23 15:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			48051	03/09/23 12:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	48109	03/08/23 10:34	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48083	03/08/23 23:02	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	48060	03/07/23 14:28	KS	EET MID
Soluble	Analysis	300.0		1			48158	03/08/23 23:56	SMC	EET MID

Client Sample ID: FS10
Date Collected: 02/28/23 14:35
Date Received: 03/03/23 08:40

Lab Sample ID: 890-4231-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	48320	03/10/23 12:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48570	03/14/23 12:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48540	03/16/23 15:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			48051	03/09/23 12:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	48109	03/08/23 10:34	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48083	03/08/23 23:23	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	48060	03/07/23 14:28	KS	EET MID
Soluble	Analysis	300.0		1			48158	03/09/23 00:00	SMC	EET MID

Lab Chronicle

Client: Ensolum
Project/Site: Maverick Baish B Battery

Job ID: 890-4231-1
SDG: 03E2057054

Client Sample ID: FS11

Lab Sample ID: 890-4231-11
Matrix: Solid
Date Collected: 03/01/23 10:00
Date Received: 03/03/23 08:40

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	48332	03/10/23 14:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48639	03/15/23 15:08	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48540	03/16/23 15:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			48051	03/09/23 12:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	48109	03/08/23 10:34	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48083	03/08/23 23:45	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	48060	03/07/23 14:28	KS	EET MID
Soluble	Analysis	300.0		1			48158	03/09/23 00:05	SMC	EET MID

Client Sample ID: FS12

Lab Sample ID: 890-4231-12
Matrix: Solid
Date Collected: 03/01/23 09:40
Date Received: 03/03/23 08:40

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	48332	03/10/23 14:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48639	03/15/23 15:28	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48540	03/16/23 15:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			48051	03/09/23 12:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	48109	03/08/23 10:34	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48083	03/09/23 00:07	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	48060	03/07/23 14:28	KS	EET MID
Soluble	Analysis	300.0		1			48158	03/09/23 00:20	SMC	EET MID

Client Sample ID: FS13

Lab Sample ID: 890-4231-13
Matrix: Solid
Date Collected: 03/01/23 11:50
Date Received: 03/03/23 08:40

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	48332	03/10/23 14:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48639	03/15/23 15:49	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48540	03/16/23 15:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			48051	03/09/23 12:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	48109	03/08/23 10:34	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48083	03/09/23 00:28	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	48060	03/07/23 14:28	KS	EET MID
Soluble	Analysis	300.0		1			48158	03/09/23 00:25	SMC	EET MID

Client Sample ID: SW01

Lab Sample ID: 890-4231-14
Matrix: Solid
Date Collected: 02/27/23 14:50
Date Received: 03/03/23 08:40

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	48442	03/13/23 08:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48426	03/13/23 15:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48540	03/13/23 17:17	SM	EET MID

Lab Chronicle

Client: Ensolum
Project/Site: Maverick Baish B Battery

Job ID: 890-4231-1
SDG: 03E2057054

Client Sample ID: SW01
Date Collected: 02/27/23 14:50
Date Received: 03/03/23 08:40

Lab Sample ID: 890-4231-14
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			48051	03/09/23 12:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	48109	03/08/23 10:34	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48083	03/09/23 00:49	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	48060	03/07/23 14:28	KS	EET MID
Soluble	Analysis	300.0		1			48158	03/09/23 00:39	SMC	EET MID

Client Sample ID: SW02
Date Collected: 02/28/23 11:50
Date Received: 03/03/23 08:40

Lab Sample ID: 890-4231-15
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			5.02 g	5 mL	48320	03/10/23 12:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48570	03/14/23 13:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48540	03/16/23 15:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			48051	03/09/23 12:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	48109	03/08/23 10:34	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48083	03/09/23 01:11	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	48060	03/07/23 14:28	KS	EET MID
Soluble	Analysis	300.0		1			48158	03/09/23 00:44	SMC	EET MID

Client Sample ID: SW03
Date Collected: 03/01/23 11:05
Date Received: 03/03/23 08:40

Lab Sample ID: 890-4231-16
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			5.03 g	5 mL	48332	03/10/23 14:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48639	03/15/23 18:13	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48540	03/16/23 15:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			48051	03/09/23 11:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48107	03/08/23 10:30	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48081	03/08/23 21:56	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	48060	03/07/23 14:28	KS	EET MID
Soluble	Analysis	300.0		1			48158	03/09/23 00:49	SMC	EET MID

Client Sample ID: SW04
Date Collected: 03/01/23 11:15
Date Received: 03/03/23 08:40

Lab Sample ID: 890-4231-17
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			5.01 g	5 mL	48332	03/10/23 14:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48639	03/15/23 18:34	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48540	03/16/23 15:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			48051	03/09/23 11:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48107	03/08/23 10:30	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48081	03/08/23 23:02	SM	EET MID

Lab Chronicle

Client: Ensolum
Project/Site: Maverick Baish B Battery

Job ID: 890-4231-1
SDG: 03E2057054

Client Sample ID: SW04

Lab Sample ID: 890-4231-17

Date Collected: 03/01/23 11:15
Matrix: Solid
Date Received: 03/03/23 08:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	48060	03/07/23 14:28	KS	EET MID
Soluble	Analysis	300.0		1			48158	03/09/23 00:54	SMC	EET MID

Client Sample ID: SW06

Lab Sample ID: 890-4231-18

Date Collected: 03/01/23 12:10
Matrix: Solid
Date Received: 03/03/23 08:40

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	48332	03/10/23 14:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48639	03/15/23 19:58	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48540	03/16/23 15:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			48051	03/09/23 11:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48107	03/08/23 10:30	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48081	03/08/23 23:23	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	48060	03/07/23 14:28	KS	EET MID
Soluble	Analysis	300.0		1			48158	03/09/23 00:59	SMC	EET MID

Client Sample ID: SW07

Lab Sample ID: 890-4231-19

Date Collected: 03/01/23 12:15
Matrix: Solid
Date Received: 03/03/23 08:40

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	48332	03/10/23 14:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48639	03/15/23 20:19	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48540	03/16/23 15:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			48051	03/09/23 11:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48107	03/08/23 10:30	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48081	03/08/23 23:45	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	48060	03/07/23 14:28	KS	EET MID
Soluble	Analysis	300.0		1			48158	03/09/23 01:03	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: Maverick Baish B Battery

Job ID: 890-4231-1
SDG: 03E2057054

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	T104704400-22-25	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: Maverick Baish B Battery

Job ID: 890-4231-1
SDG: 03E2057054

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Ensolum
Project/Site: Maverick Baish B Battery

Job ID: 890-4231-1
SDG: 03E2057054

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-4231-1	FS01	Solid	02/27/23 13:50	03/03/23 08:40	2'
890-4231-2	FS02	Solid	02/27/23 13:55	03/03/23 08:40	2'
890-4231-3	FS03	Solid	02/27/23 14:40	03/03/23 08:40	3.5'
890-4231-4	FS04	Solid	02/28/23 11:35	03/03/23 08:40	2'
890-4231-5	FS05	Solid	02/28/23 11:40	03/03/23 08:40	2'
890-4231-6	FS06	Solid	02/28/23 11:45	03/03/23 08:40	2'
890-4231-7	FS07	Solid	03/01/23 08:00	03/03/23 08:40	4'
890-4231-8	FS08	Solid	03/01/23 07:55	03/03/23 08:40	4'
890-4231-9	FS09	Solid	03/01/23 12:00	03/03/23 08:40	4'
890-4231-10	FS10	Solid	02/28/23 14:35	03/03/23 08:40	3'
890-4231-11	FS11	Solid	03/01/23 10:00	03/03/23 08:40	3.5'
890-4231-12	FS12	Solid	03/01/23 09:40	03/03/23 08:40	3'
890-4231-13	FS13	Solid	03/01/23 11:50	03/03/23 08:40	3'
890-4231-14	SW01	Solid	02/27/23 14:50	03/03/23 08:40	0-2'
890-4231-15	SW02	Solid	02/28/23 11:50	03/03/23 08:40	0-2'
890-4231-16	SW03	Solid	03/01/23 11:05	03/03/23 08:40	0-3'
890-4231-17	SW04	Solid	03/01/23 11:15	03/03/23 08:40	0-3'
890-4231-18	SW06	Solid	03/01/23 12:10	03/03/23 08:40	0-4'
890-4231-19	SW07	Solid	03/01/23 12:15	03/03/23 08:40	0-4'

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Chain of Custody

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

Work Order No: _____

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Project Manager:	Josh Adams	Bill to: (if different)	Josh Adams
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:	303-517-8437	Email:	jadams@ensolum.com, dnikanorov@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:	Maverick Baish B Battery	Turn Around	☑ Routine ☐ Rush
Project Number:	03E2057054	Due Date:	
Project Location:	Lea County, NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Dmitry Nikanorov		
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:	2.8
Total Containers:		Corrected Temperature:	2.6

Preservative Codes

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: CHLORIDES (EPA: 300.0)	TPH (8015)	BTEX (8021)	Sample Comments
FS01	S	2/27/2023	13:50	2'	Comp	1		x	x	x	
FS02	S	2/27/2023	13:55	2'	Comp	1		x	x	x	
FS03	S	2/27/2023	14:40	3.5'	Comp	1		x	x	x	
FS04	S	2/28/2023	11:35	2'	Comp	1		x	x	x	
FS05	S	2/28/2023	11:40	2'	Comp	1		x	x	x	
FS06	S	2/28/2023	11:45	2'	Comp	1		x	x	x	
FS07	S	3/1/2023	8:00	4'	Comp	1		x	x	x	
FS08	S	3/1/2023	7:55	4'	Comp	1		x	x	x	
FS09	S	3/1/2023	12:00	4'	Comp	1		x	x	x	
FS10	S	2/28/2023	14:35	3'	Comp	1		x	x	x	

ANALYSIS REQUEST

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 DN	Clue Cup	3.3.23 840			
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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Chain of Custody

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

Work Order No: _____

www.xenco.com Page 2 of 2

Project Manager:	Josh Adams	Bill to: (if different)	Josh Adams
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:	303-517-8437	Email:	jadams@ensolum.com, dnikanorov@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:	Maverick Baish B Battery	Turn Around	
Project Number:	03E2057054	☑ Routine ☐ Rush	
Project Location:	Lea County, NM	Due Date:	
Sampler's Name:	Dmitry Nikanorov	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:	
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_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 (EPA: 300.0)	TPH (8015)	BTEX (8021	Sample Comments
FS11	S	3/1/2023	10:00	3.5'	Comp	1		x	x	x	
FS12	S	3/1/2023	9:40	3'	Comp	1		x	x	x	
FS13	S	3/1/2023	11:50	3'	Comp	1		x	x	x	
SW01	S	2/27/2023	14:50	0-2'	Comp	1		x	x	x	
SW02	S	2/28/2023	11:50	0-2'	Comp	1		x	x	x	
SW03	S	3/1/2023	11:05	0-3'	Comp	1		x	x	x	
SW04	S	3/1/2023	11:15	0-3'	Comp	1		x	x	x	
SW06	S	3/1/2023	12:10	0-4'	Comp	1		x	x	x	
SW07	S	3/1/2023	12:15	0-4'	Comp	1		x	x	x	

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 PN	Clue Cup	3.3.23 840	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-4231-1
SDG Number: 03E2057054

Login Number: 4231
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: 890-4231-1
SDG Number: 03E2057054

Login Number: 4231
List Number: 2
Creator: Kramer, Jessica

List Source: Eurofins Midland
List Creation: 03/06/23 12:04 PM

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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 10, 2023

AIMEE COLE

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: BAISH B BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 08/03/23 12:29.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
AIMEE COLE
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/03/2023	Sampling Date:	08/03/2023
Reported:	08/10/2023	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03D2057054	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK (32.817358-103.754432)		

Sample ID: FS 01 A @ 2.25' (H234126-01)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2023	ND	2.20	110	2.00	0.829	
Toluene*	<0.050	0.050	08/09/2023	ND	2.12	106	2.00	0.647	
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	2.00	99.8	2.00	0.388	
Total Xylenes*	<0.150	0.150	08/09/2023	ND	6.02	100	6.00	0.0395	
Total BTEX	<0.300	0.300	08/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *92.9 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	08/08/2023	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	154	77.1	200	2.22	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	156	78.0	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane *97.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *101 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
AIMEE COLE
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	08/03/2023	Sampling Date:	08/03/2023
Reported:	08/10/2023	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03D2057054	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK (32.817358-103.754432)		

Sample ID: FS 07 A @ 4.25' (H234126-02)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2023	ND	2.20	110	2.00	0.829	
Toluene*	<0.050	0.050	08/09/2023	ND	2.12	106	2.00	0.647	
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	2.00	99.8	2.00	0.388	
Total Xylenes*	<0.150	0.150	08/09/2023	ND	6.02	100	6.00	0.0395	
Total BTEX	<0.300	0.300	08/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.3 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/08/2023	ND	416	104	400	7.41	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	154	77.1	200	2.22	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	156	78.0	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane *90.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *93.7 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Ensolum, LLC	**BILL TO** P.O. #:	AA
Project Manager:	Aimee Cole	Company:	
Address:	8122 Natl Parks Hwy	Attn:	
City:	Carlsbad State: NM Zip: 88220	Address:	
Phone #:	720-384-7365 Fax #:	City:	
Project #:	03D2051054 Project Owner: Maverick	State: Zip:	
Project Name:	Bush B Battery	Phone #:	
Project Location:	32.81358, -103.754432	Fax #:	
Sampler Name:	Julianna Falcomata		

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	BTEX	TPH	Chlorides
H234126																	
1	FS01A @ 2.25'	C	1			X					X		8/3/23	0930	X	X	X
2	FS07A @ 4.25'	↓	↓			↓					↓		↓	0935	↓	↓	↓

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 8-3-23	Received By:	Verbal Result: ☐ Yes ☒ No	Add'l Phone #:
	Time: 1229		All Results are emailed. Please provide Email address:	
Relinquished By:	Date:	Received By:	acole@ensolum.com jfalcomata@ensolum.com	
	Time:		REMARKS:	

Delivered By: (Circle One)	Observed Temp. °C 2.5	Sample Condition Cool Intact	CHECKED BY: (Initials)	Turnaround Time: Standard ☒ Rush ☐	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C
Sampler - UPS - Bus - Other:	Corrected Temp. °C	☐ Yes ☐ Yes ☐ No ☐ No		Thermometer ID ~~#113~~ #140 Correction Factor ~~0.6°C~~ 8/3/23	☐ Yes ☐ Yes ☐ No ☐ No Corrected Temp. °C

FORM-006 R 3.3 07/18/22

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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

January 31, 2024

AIMEE COLE

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: BAISH B BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 01/26/24 14:02.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
AIMEE COLE
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	01/26/2024	Sampling Date:	01/25/2024
Reported:	01/31/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03E2057054	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK (32.817358-103.754432)		

Sample ID: SW 08 @ 0-4' (H240368-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/29/2024	ND	2.25	112	2.00	4.51	
Toluene*	<0.050	0.050	01/29/2024	ND	2.54	127	2.00	4.73	
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.73	136	2.00	6.60	
Total Xylenes*	<0.150	0.150	01/29/2024	ND	8.31	138	6.00	7.11	
Total BTEX	<0.300	0.300	01/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	01/29/2024	ND	448	112	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2024	ND	201	101	200	6.47	
DRO >C10-C28*	<10.0	10.0	01/29/2024	ND	219	109	200	6.96	
EXT DRO >C28-C36	<10.0	10.0	01/29/2024	ND					

Surrogate: 1-Chlorooctane *117 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *101 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
AIMEE COLE
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	01/26/2024	Sampling Date:	01/25/2024
Reported:	01/31/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03E2057054	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK (32.817358-103.754432)		

Sample ID: FS 14 @ 4' (H240368-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/29/2024	ND	2.25	112	2.00	4.51	
Toluene*	<0.050	0.050	01/29/2024	ND	2.54	127	2.00	4.73	
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.73	136	2.00	6.60	
Total Xylenes*	<0.150	0.150	01/29/2024	ND	8.31	138	6.00	7.11	
Total BTEX	<0.300	0.300	01/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/29/2024	ND	448	112	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2024	ND	201	101	200	6.47	
DRO >C10-C28*	<10.0	10.0	01/29/2024	ND	219	109	200	6.96	
EXT DRO >C28-C36	<10.0	10.0	01/29/2024	ND					

Surrogate: 1-Chlorooctane *110 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *95.3 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
AIMEE COLE
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	01/26/2024	Sampling Date:	01/26/2024
Reported:	01/31/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03E2057054	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK (32.817358-103.754432)		

Sample ID: FS 15 @ 4' (H240368-03)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/29/2024	ND	2.25	112	2.00	4.51	
Toluene*	<0.050	0.050	01/29/2024	ND	2.54	127	2.00	4.73	
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.73	136	2.00	6.60	
Total Xylenes*	<0.150	0.150	01/29/2024	ND	8.31	138	6.00	7.11	
Total BTEX	<0.300	0.300	01/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *116 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	01/29/2024	ND	448	112	400	3.64	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2024	ND	201	101	200	6.47	
DRO >C10-C28*	**213**	10.0	01/29/2024	ND	219	109	200	6.96	
EXT DRO >C28-C36	**44.3**	10.0	01/29/2024	ND					

Surrogate: 1-Chlorooctane *101 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *91.2 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
BS1	Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST 1/1

		BILL TO	
Company Name:	Ensolum LLC	P.O. #:	
Project Manager:	Amee Cole	Company:	
Address:	3122 National Parks Hwy	Attn:	
City:	Carlsbad State: NM Zip: 88220	Address:	
Phone #:	720 384 7365 Fax #:	City:	
Project #:	03E2057054 Project Owner: Mewbourne	State: Zip:	
Project Name:	Baish B Battery	Phone #:	
Project Location:	32.817358, -103.754432	Fax #:	
Sampler Name:	Ronnie Hughes		

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	BTEX	Cl-	TPH
1	SW08 @ 0.4'	C	1			x					x		1/25/24	1020	x	x	x
2	FS14 @ 4'	↓	↓			↓					↓		↓	1040	↓	↓	↓
3	FS15 @ 4'												1/26/24	0947			

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 1-26-24 Time: 1402	Received By:	Verbal Result: ☐ Yes ☐ No	Add'l Phone #:	
Relinquished By:	Date: Time:	Received By:	All Results are emailed. Please provide Email address: acole@ensolum.com		
			REMARKS:		
Delivered By: (Circle One)	Observed Temp. °C 3.0	Sample Condition Cool Intact	CHECKED BY: (Initials)	Turnaround Time:	Standard ☑ Rush ☐
Sampler - UPS - Bus - Other:	Corrected Temp. °C	☐ Yes ☐ Yes ☐ No ☐ No	SR	Thermometer ID - #140 Correction Factor 0°C	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C ☐ Yes ☐ Yes ☐ No ☐ No Corrected Temp. °C

FORM-006 R 3.4 07/11/23

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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

February 01, 2024

AIMEE COLE

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: BAISH B BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 01/29/24 12:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
AIMEE COLE
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	01/29/2024	Sampling Date:	01/29/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03E2057054	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK (32.817358-103.754432)		

Sample ID: FS 16 4' (H240381-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/29/2024	ND	2.20	110	2.00	1.44	
Toluene*	<0.050	0.050	01/29/2024	ND	2.19	109	2.00	1.45	
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.17	109	2.00	1.99	
Total Xylenes*	<0.150	0.150	01/29/2024	ND	6.35	106	6.00	2.04	
Total BTEX	<0.300	0.300	01/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.3 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	01/30/2024	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	205	103	200	4.99	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	200	100	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane *85.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *91.6 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
AIMEE COLE
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	01/29/2024	Sampling Date:	01/25/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03E2057054	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK (32.817358-103.754432)		

Sample ID: PH 01 1' (H240381-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/29/2024	ND	2.20	110	2.00	1.44	
Toluene*	<0.050	0.050	01/29/2024	ND	2.19	109	2.00	1.45	
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.17	109	2.00	1.99	
Total Xylenes*	<0.150	0.150	01/29/2024	ND	6.35	106	6.00	2.04	
Total BTEX	<0.300	0.300	01/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.3 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	01/30/2024	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	205	103	200	4.99	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	200	100	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane *95.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *104 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
AIMEE COLE
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	01/29/2024	Sampling Date:	01/25/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03E2057054	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK (32.817358-103.754432)		

Sample ID: PH 01 5' (H240381-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/29/2024	ND	2.20	110	2.00	1.44	
Toluene*	<0.050	0.050	01/29/2024	ND	2.19	109	2.00	1.45	
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.17	109	2.00	1.99	
Total Xylenes*	<0.150	0.150	01/29/2024	ND	6.35	106	6.00	2.04	
Total BTEX	<0.300	0.300	01/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.2 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	01/30/2024	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	205	103	200	4.99	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	200	100	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane *98.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *108 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
AIMEE COLE
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	01/29/2024	Sampling Date:	01/29/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03E2057054	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK (32.817358-103.754432)		

Sample ID: PH 02 1' (H240381-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/29/2024	ND	2.20	110	2.00	1.44	
Toluene*	<0.050	0.050	01/29/2024	ND	2.19	109	2.00	1.45	
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.17	109	2.00	1.99	
Total Xylenes*	<0.150	0.150	01/29/2024	ND	6.35	106	6.00	2.04	
Total BTEX	<0.300	0.300	01/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.5 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	01/30/2024	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	205	103	200	4.99	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	200	100	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane *100 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *109 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
AIMEE COLE
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	01/29/2024	Sampling Date:	01/29/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03E2057054	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK (32.817358-103.754432)		

Sample ID: PH 02 4' (H240381-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/29/2024	ND	2.20	110	2.00	1.44	
Toluene*	<0.050	0.050	01/29/2024	ND	2.19	109	2.00	1.45	
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.17	109	2.00	1.99	
Total Xylenes*	<0.150	0.150	01/29/2024	ND	6.35	106	6.00	2.04	
Total BTEX	<0.300	0.300	01/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.6 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	01/30/2024	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	205	103	200	4.99	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	200	100	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane *95.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *106 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
AIMEE COLE
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	01/29/2024	Sampling Date:	01/29/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03E2057054	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK (32.817358-103.754432)		

Sample ID: SS 09 0.5' (H240381-06)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/29/2024	ND	2.20	110	2.00	1.44	
Toluene*	<0.050	0.050	01/29/2024	ND	2.19	109	2.00	1.45	
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.17	109	2.00	1.99	
Total Xylenes*	<0.150	0.150	01/29/2024	ND	6.35	106	6.00	2.04	
Total BTEX	<0.300	0.300	01/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.4 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: CT**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	01/30/2024	ND	400	100	400	3.92	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	205	103	200	4.99	
DRO >C10-C28*	**234**	10.0	01/30/2024	ND	200	100	200	1.67	
EXT DRO >C28-C36	**173**	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane *94.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *104 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
AIMEE COLE
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	01/29/2024	Sampling Date:	01/29/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03E2057054	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK (32.817358-103.754432)		

Sample ID: SS 10 0.5' (H240381-07)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/29/2024	ND	2.20	110	2.00	1.44	
Toluene*	<0.050	0.050	01/29/2024	ND	2.19	109	2.00	1.45	
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.17	109	2.00	1.99	
Total Xylenes*	<0.150	0.150	01/29/2024	ND	6.35	106	6.00	2.04	
Total BTEX	<0.300	0.300	01/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.8 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	01/30/2024	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	205	103	200	4.99	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	200	100	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane *99.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *110 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC	BILL TO
Project Manager: Aimee Cole	P.O. #:
Address: 3122 National Parks Hwy	Company:
City: Carlsbad State: NM Zip: 88220	Attn:
Phone #: 720-384-7365 Fax #:	Address:
Project #: 03E2057054 Project Owner: Maverick	City:
Project Name: Parish B Battery	State: Zip:
Project Location: 32.817358, -103.754432	Phone #:
Sampler Name: Ronni Hughes	Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING DATE	SAMPLING TIME	BTEX	TPH	Cl-
H240381																		
1	FS16	4'	C	1			X					X		11/29/24	1045	X	X	X
2	PH01	1'	G											11/25/24	1148			
3	PH01	5'	G											↓	1212			
4	PH02	1'	G											11/29/24	1028			
5	PH02	4'	G											↓	1040			
6	SS09	0.5'	G											↓	1130			
7	SS10	0.5'	G											↓	1135			
	~~SS~~ RH																	

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: RH	Date: 11-29-24 Time: 1255	Received By: S Rodriguez	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	All Results are emailed. Please provide Email address: REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 5.7 Corrected Temp. °C	Sample Condition Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No	CHECKED BY: (Initials) SR

Turnaround Time: Standard ☒ Rush ☐ #140
Thermometer ID #113
Correction Factor -0.5°C
Bacteria (only) Sample Condition Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

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

FORM-006 R 3.2 10/07/21

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

January 31, 2024

AIMEE COLE

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: BAISH B BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 01/30/24 13:29.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
AIMEE COLE
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	01/30/2024	Sampling Date:	01/30/2024
Reported:	01/31/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03E2057054	Sample Received By:	Dionica Hinojos
Project Location:	MAVERICK (32.817358-103.754432)		

Sample ID: FS 17 1.5' (H240420-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2024	ND	1.97	98.3	2.00	9.61	
Toluene*	<0.050	0.050	01/30/2024	ND	1.97	98.6	2.00	10.2	
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	1.97	98.5	2.00	10.3	
Total Xylenes*	<0.150	0.150	01/30/2024	ND	6.05	101	6.00	9.19	
Total BTEX	<0.300	0.300	01/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	01/31/2024	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2024	ND	185	92.6	200	0.794	
DRO >C10-C28*	**17.9**	10.0	01/31/2024	ND	200	100	200	1.18	
EXT DRO >C28-C36	<10.0	10.0	01/31/2024	ND					

Surrogate: 1-Chlorooctane *81.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *88.1 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC
Project Manager: Aimee Cole
Address: 3122 National Parks Hwy
City: Carlsbad State: NM Zip: 88220
Phone #: 720-384-7305 Fax #:
Project #: 03E2057054 Project Owner: Mavers'ck
Project Name: Baish B Battery
Project Location: 32.817358, -103.754432
Sampler Name: Ronni Hayes

BILL TO
P.O. #:
Company:
Attn:
Address:
City:
State: Zip:
Phone #:
Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	BTEX	TPH	Cl-
H240420-1	FS17	1.5'	C	1			X					X		1/30/24	1148	X	X	X

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Date: 1/30/24 Time: 13:09 Received By:
Relinquished By: Date: Time: Received By:

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address: acole@ensolum.com
REMARKS:

Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Observed Temp. °C 3.4°C
Corrected Temp. °C #140
Sample Condition: Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No
CHECKED BY: (Initials)

Turnaround Time: Standard ☐ Rush ☒ 24hrs
Thermometer ID #140 #113
Correction Factor -0.5°C
Bacteria (only) Sample Condition: Cool ☑ Yes ☐ No Intact ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

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

FORM-006 R 3.2 10/07/21

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

February 01, 2024

AIMEE COLE

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: BAISH B BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 01/30/24 13:29.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
AIMEE COLE
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	01/30/2024	Sampling Date:	01/30/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03E2057054	Sample Received By:	Dionica Hinojos
Project Location:	MAVERICK (32.817358-103.754432)		

Sample ID: SW 09 0-4' (H240421-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2024	ND	2.11	105	2.00	0.496	
Toluene*	<0.050	0.050	01/31/2024	ND	2.09	105	2.00	0.277	
Ethylbenzene*	<0.050	0.050	01/31/2024	ND	2.07	104	2.00	0.458	
Total Xylenes*	<0.150	0.150	01/31/2024	ND	6.07	101	6.00	0.494	
Total BTEX	<0.300	0.300	01/31/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.1 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	01/31/2024	ND	432	108	400	7.14	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	201	101	200	0.352	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	220	110	200	0.682	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane *114 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *102 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
AIMEE COLE
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	01/30/2024	Sampling Date:	01/30/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03E2057054	Sample Received By:	Dionica Hinojos
Project Location:	MAVERICK (32.817358-103.754432)		

Sample ID: SW 10 0-4' (H240421-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2024	ND	2.11	105	2.00	0.496	
Toluene*	<0.050	0.050	01/31/2024	ND	2.09	105	2.00	0.277	
Ethylbenzene*	<0.050	0.050	01/31/2024	ND	2.07	104	2.00	0.458	
Total Xylenes*	<0.150	0.150	01/31/2024	ND	6.07	101	6.00	0.494	
Total BTEX	<0.300	0.300	01/31/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.8 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	01/31/2024	ND	432	108	400	7.14	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	201	101	200	0.352	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	220	110	200	0.682	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane *95.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *85.2 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC

Project Manager: Annee Cole

Address: 3122 National Parks Hwy

City: Carlsbad State: NM Zip: 88220

Phone #: 720-384-7305 Fax #:

Project #: 03E2057054 Project Owner: Maverick

Project Name: Basin B Battery

Project Location: 32.817358, -103.754432

Sampler Name: Ronni Hayes

BILL TO

P.O. #:

Company:

Attn:

Address:

City:

State: Zip:

Phone #:

Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	BTEX	TPH	Cl-
H240421																		
1	SW09	0-4'	C	1			X					X		1/30/24	0845	X	X	X
2	SW10	0-4'	C	1			X					X		↓	0848	↓	↓	↓

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Date: 1/30/24 Time: 13:29 Received By:

Relinquished By: Date: Time: Received By:

Delivered By: (Circle One) Sampler - UPS - Bus - Other:

Observed Temp. °C 3.4 Corrected Temp. °C #140

Sample Condition: Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No

CHECKED BY: (Initials) DH

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: acole@ensolum.com

REMARKS:

Turnaround Time: Standard ☒ Rush ☐

Thermometer ID #113 #140 DH

Correction Factor -0.5°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

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

FORM-006 R 3.2 10/07/21

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

February 05, 2024

AIMEE COLE

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: BAISH B BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 01/31/24 13:21.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
AIMEE COLE
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	01/31/2024	Sampling Date:	01/31/2024
Reported:	02/05/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03D2057054	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK (32.817358-103.754432)		

Sample ID: FS 15A 4.25' (H240438-01)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2024	ND	2.26	113	2.00	9.03	
Toluene*	<0.050	0.050	01/31/2024	ND	2.41	120	2.00	15.0	
Ethylbenzene*	<0.050	0.050	01/31/2024	ND	2.58	129	2.00	16.8	
Total Xylenes*	<0.150	0.150	01/31/2024	ND	7.79	130	6.00	16.9	
Total BTEX	<0.300	0.300	01/31/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: CT**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	02/01/2024	ND	416	104	400	10.9	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2024	ND	216	108	200	0.704	
DRO >C10-C28*	**158**	10.0	01/31/2024	ND	207	103	200	1.60	
EXT DRO >C28-C36	**45.7**	10.0	01/31/2024	ND					

Surrogate: 1-Chlorooctane *101 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *128 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
AIMEE COLE
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	01/31/2024	Sampling Date:	01/31/2024
Reported:	02/05/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03D2057054	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK (32.817358-103.754432)		

Sample ID: SS 11 0.5' (H240438-02)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2024	ND	2.26	113	2.00	9.03	
Toluene*	<0.050	0.050	01/31/2024	ND	2.41	120	2.00	15.0	
Ethylbenzene*	<0.050	0.050	01/31/2024	ND	2.58	129	2.00	16.8	
Total Xylenes*	<0.150	0.150	01/31/2024	ND	7.79	130	6.00	16.9	
Total BTEX	<0.300	0.300	01/31/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: CT**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	02/01/2024	ND	416	104	400	10.9	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2024	ND	216	108	200	0.704	
DRO >C10-C28*	<10.0	10.0	01/31/2024	ND	207	103	200	1.60	
EXT DRO >C28-C36	**10.9**	10.0	01/31/2024	ND					

Surrogate: 1-Chlorooctane *98.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *111 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
AIMEE COLE
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	01/31/2024	Sampling Date:	01/31/2024
Reported:	02/05/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03D2057054	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK (32.817358-103.754432)		

Sample ID: FS 18 0.5' (H240438-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2024	ND	2.26	113	2.00	9.03	
Toluene*	<0.050	0.050	01/31/2024	ND	2.41	120	2.00	15.0	
Ethylbenzene*	<0.050	0.050	01/31/2024	ND	2.58	129	2.00	16.8	
Total Xylenes*	<0.150	0.150	01/31/2024	ND	7.79	130	6.00	16.9	
Total BTEX	<0.300	0.300	01/31/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	02/01/2024	ND	416	104	400	10.9	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2024	ND	216	108	200	0.704	
DRO >C10-C28*	<10.0	10.0	01/31/2024	ND	207	103	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	01/31/2024	ND					

Surrogate: 1-Chlorooctane *99.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *114 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
AIMEE COLE
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	01/31/2024	Sampling Date:	01/31/2024
Reported:	02/05/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03D2057054	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK (32.817358-103.754432)		

Sample ID: FS 19 0.5' (H240438-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2024	ND	2.26	113	2.00	9.03	
Toluene*	<0.050	0.050	01/31/2024	ND	2.41	120	2.00	15.0	
Ethylbenzene*	<0.050	0.050	01/31/2024	ND	2.58	129	2.00	16.8	
Total Xylenes*	<0.150	0.150	01/31/2024	ND	7.79	130	6.00	16.9	
Total BTEX	<0.300	0.300	01/31/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	02/01/2024	ND	416	104	400	10.9	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2024	ND	216	108	200	0.704	
DRO >C10-C28*	<10.0	10.0	01/31/2024	ND	207	103	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	01/31/2024	ND					

Surrogate: 1-Chlorooctane *98.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *111 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
AIMEE COLE
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	01/31/2024	Sampling Date:	01/31/2024
Reported:	02/05/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03D2057054	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK (32.817358-103.754432)		

Sample ID: FS 20 1' (H240438-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2024	ND	2.26	113	2.00	9.03	
Toluene*	<0.050	0.050	01/31/2024	ND	2.41	120	2.00	15.0	
Ethylbenzene*	<0.050	0.050	01/31/2024	ND	2.58	129	2.00	16.8	
Total Xylenes*	<0.150	0.150	01/31/2024	ND	7.79	130	6.00	16.9	
Total BTEX	<0.300	0.300	01/31/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**752**	16.0	02/01/2024	ND	416	104	400	10.9	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2024	ND	216	108	200	0.704	
DRO >C10-C28*	<10.0	10.0	01/31/2024	ND	207	103	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	01/31/2024	ND					

Surrogate: 1-Chlorooctane *101 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *114 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
AIMEE COLE
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	01/31/2024	Sampling Date:	01/31/2024
Reported:	02/05/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03D2057054	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK (32.817358-103.754432)		

Sample ID: FS 21 1' (H240438-06)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2024	ND	2.26	113	2.00	9.03	
Toluene*	<0.050	0.050	01/31/2024	ND	2.41	120	2.00	15.0	
Ethylbenzene*	<0.050	0.050	01/31/2024	ND	2.58	129	2.00	16.8	
Total Xylenes*	<0.150	0.150	01/31/2024	ND	7.79	130	6.00	16.9	
Total BTEX	<0.300	0.300	01/31/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	02/01/2024	ND	416	104	400	10.9	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2024	ND	216	108	200	0.704	
DRO >C10-C28*	<10.0	10.0	01/31/2024	ND	207	103	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	01/31/2024	ND					

Surrogate: 1-Chlorooctane *111 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *127 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
AIMEE COLE
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	01/31/2024	Sampling Date:	01/31/2024
Reported:	02/05/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03D2057054	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK (32.817358-103.754432)		

Sample ID: FS 22 1' (H240438-07)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2024	ND	2.26	113	2.00	9.03	
Toluene*	<0.050	0.050	01/31/2024	ND	2.41	120	2.00	15.0	
Ethylbenzene*	<0.050	0.050	01/31/2024	ND	2.58	129	2.00	16.8	
Total Xylenes*	<0.150	0.150	01/31/2024	ND	7.79	130	6.00	16.9	
Total BTEX	<0.300	0.300	01/31/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**272**	16.0	02/01/2024	ND	416	104	400	10.9	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2024	ND	216	108	200	0.704	
DRO >C10-C28*	<10.0	10.0	01/31/2024	ND	207	103	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	01/31/2024	ND					

Surrogate: 1-Chlorooctane *99.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *111 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
BS1	Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC
Project Manager: Anne Cole
Address: 3122 National Parks Hwy
City: Carlsbad State: NM Zip: 88220
Phone #: 720-384-7365 Fax #:
Project #: 03E2057054 Project Owner: Mavrich
Project Name: Rush B Battery
Project Location: 32.817358, -103.754432
Sampler Name: Romi Hayes

BILL TO
P.O. #:
Company:
Attn:
Address:
City:
State: Zip:
Phone #:
Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	BTEX	Cl-	TPH
H240438																		
1	FS15a	4.25	C	1			x					x		1/31/24	1115	x	x	x
2	SS11	0.5	G												1155			
3	FS18	0.5	C												0848			
4	FS19	0.5													0915			
5	FS20	1'													1132			
6	FS21	1													1055			
7	FS22	1'	↓	↓			↓					↓		↓	1050	↓	↓	↓

Relinquished By: Date: 1-31-24 Time: 1321 Received By: Skodkiewicz
Relinquished By: Date: Time: Received By:

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address: acole@ensolum.com
REMARKS:

Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Observed Temp. °C 2.8
Corrected Temp. °C
Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No
CHECKED BY: (Initials) SK

Turnaround Time: #140 Standard ☒ Rush ☐
Thermometer ID #113
Correction Factor -0.5°C
Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.2 10/07/21

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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

February 14, 2024

AIMEE COLE

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: BAISH B BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 02/09/24 11:36.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
AIMEE COLE
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	02/09/2024	Sampling Date:	02/08/2024
Reported:	02/14/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03E2057054	Sample Received By:	Dionica Hinojos
Project Location:	MAVERICK (32.817358-103.754432)		

Sample ID: BH01 2' (H240631-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/09/2024	ND	1.96	98.2	2.00	0.981	
Toluene*	<0.050	0.050	02/09/2024	ND	2.06	103	2.00	0.333	
Ethylbenzene*	<0.050	0.050	02/09/2024	ND	2.04	102	2.00	0.0314	
Total Xylenes*	<0.150	0.150	02/09/2024	ND	6.17	103	6.00	0.251	
Total BTEX	<0.300	0.300	02/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	02/09/2024	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2024	ND	188	93.9	200	0.0389	
DRO >C10-C28*	**46.0**	10.0	02/09/2024	ND	194	96.9	200	2.40	
EXT DRO >C28-C36	<10.0	10.0	02/09/2024	ND					

Surrogate: 1-Chlorooctane *80.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *77.9 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
AIMEE COLE
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	02/09/2024	Sampling Date:	02/08/2024
Reported:	02/14/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03E2057054	Sample Received By:	Dionica Hinojos
Project Location:	MAVERICK (32.817358-103.754432)		

Sample ID: BH01 3' (H240631-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/09/2024	ND	1.96	98.2	2.00	0.981	
Toluene*	<0.050	0.050	02/09/2024	ND	2.06	103	2.00	0.333	
Ethylbenzene*	<0.050	0.050	02/09/2024	ND	2.04	102	2.00	0.0314	
Total Xylenes*	<0.150	0.150	02/09/2024	ND	6.17	103	6.00	0.251	
Total BTEX	<0.300	0.300	02/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**224**	16.0	02/09/2024	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2024	ND	188	93.9	200	0.0389	
DRO >C10-C28*	<10.0	10.0	02/09/2024	ND	194	96.9	200	2.40	
EXT DRO >C28-C36	<10.0	10.0	02/09/2024	ND					

Surrogate: 1-Chlorooctane *74.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *69.6 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
AIMEE COLE
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	02/09/2024	Sampling Date:	02/08/2024
Reported:	02/14/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03E2057054	Sample Received By:	Dionica Hinojos
Project Location:	MAVERICK (32.817358-103.754432)		

Sample ID: BH02 2' (H240631-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/09/2024	ND	1.96	98.2	2.00	0.981	
Toluene*	<0.050	0.050	02/09/2024	ND	2.06	103	2.00	0.333	
Ethylbenzene*	<0.050	0.050	02/09/2024	ND	2.04	102	2.00	0.0314	
Total Xylenes*	<0.150	0.150	02/09/2024	ND	6.17	103	6.00	0.251	
Total BTEX	<0.300	0.300	02/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	02/09/2024	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2024	ND	188	93.9	200	0.0389	
DRO >C10-C28*	<10.0	10.0	02/09/2024	ND	194	96.9	200	2.40	
EXT DRO >C28-C36	<10.0	10.0	02/09/2024	ND					

Surrogate: 1-Chlorooctane *82.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *76.5 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

ENSOLUM
AIMEE COLE
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	02/09/2024	Sampling Date:	02/08/2024
Reported:	02/14/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03E2057054	Sample Received By:	Dionica Hinojos
Project Location:	MAVERICK (32.817358-103.754432)		

Sample ID: BH02 4' (H240631-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/09/2024	ND	1.96	98.2	2.00	0.981	
Toluene*	<0.050	0.050	02/09/2024	ND	2.06	103	2.00	0.333	
Ethylbenzene*	<0.050	0.050	02/09/2024	ND	2.04	102	2.00	0.0314	
Total Xylenes*	<0.150	0.150	02/09/2024	ND	6.17	103	6.00	0.251	
Total BTEX	<0.300	0.300	02/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	02/09/2024	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2024	ND	188	93.9	200	0.0389	
DRO >C10-C28*	<10.0	10.0	02/09/2024	ND	194	96.9	200	2.40	
EXT DRO >C28-C36	<10.0	10.0	02/09/2024	ND					

Surrogate: 1-Chlorooctane *71.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *65.1 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC	BILL TO
Project Manager: Aimee Cole	P.O. #:
Address: 3122 National Parks Hwy	Company:
City: Carlsbad State: NM Zip: 88220	Attn:
Phone #: (720)384-7365 Fax #:	Address:
Project #: 03E205 7054 Project Owner:	City:
Project Name: Baish B Battery	State: Zip:
Project Location: 32.817358, -103.754432	Phone #:
Sampler Name: Chad Hamilton	Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	Cl-	BTEX	TPH
1	BH01	2		1			X							02/15/24	0818	X	X	X
2	BH01	3		1			X							2/15/24	0822	X	X	X
3	BH02	2		1			X							2/14/24	0830	X	X	X
4	BH02	4		1			X							2/14/24	0837	X	X	X

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 2/19/24	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 11:36		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 4.1	Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No	CHECKED BY: (Initials)	Turnaround Time: Standard ☑ Rush ☐
	Corrected Temp. °C #140			Thermometer ID #113 Correction Factor -0.5°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

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

FORM-006 R 3.2 10/07/21

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

February 06, 2024

AIMEE COLE

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: BAISH B BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 02/01/24 13:24.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
AIMEE COLE
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	02/01/2024	Sampling Date:	02/01/2024
Reported:	02/06/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03E2057054	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK (32.817358-103.754432)		

Sample ID: SS 12 0.5' (H240490-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2024	ND	1.96	98.1	2.00	12.2	
Toluene*	<0.050	0.050	02/01/2024	ND	2.06	103	2.00	12.4	
Ethylbenzene*	<0.050	0.050	02/01/2024	ND	2.01	101	2.00	12.3	
Total Xylenes*	<0.150	0.150	02/01/2024	ND	6.19	103	6.00	12.3	
Total BTEX	<0.300	0.300	02/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/02/2024	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2024	ND	211	105	200	5.65	
DRO >C10-C28*	<10.0	10.0	02/01/2024	ND	212	106	200	6.81	
EXT DRO >C28-C36	<10.0	10.0	02/01/2024	ND					

Surrogate: 1-Chlorooctane *86.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *83.5 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
AIMEE COLE
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	02/01/2024	Sampling Date:	02/01/2024
Reported:	02/06/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03E2057054	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK (32.817358-103.754432)		

Sample ID: SW 05 0-3' (H240490-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2024	ND	2.20	110	2.00	8.70	
Toluene*	<0.050	0.050	02/02/2024	ND	2.18	109	2.00	8.50	
Ethylbenzene*	<0.050	0.050	02/02/2024	ND	2.17	109	2.00	8.48	
Total Xylenes*	<0.150	0.150	02/02/2024	ND	6.36	106	6.00	8.78	
Total BTEX	<0.300	0.300	02/02/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.5 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/02/2024	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2024	ND	211	105	200	5.65	
DRO >C10-C28*	<10.0	10.0	02/01/2024	ND	212	106	200	6.81	
EXT DRO >C28-C36	<10.0	10.0	02/01/2024	ND					

Surrogate: 1-Chlorooctane *81.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *78.8 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
AIMEE COLE
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	02/01/2024	Sampling Date:	02/01/2024
Reported:	02/06/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03E2057054	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK (32.817358-103.754432)		

Sample ID: SW 11 0-1' (H240490-03)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2024	ND	2.20	110	2.00	8.70	
Toluene*	<0.050	0.050	02/02/2024	ND	2.18	109	2.00	8.50	
Ethylbenzene*	<0.050	0.050	02/02/2024	ND	2.17	109	2.00	8.48	
Total Xylenes*	<0.150	0.150	02/02/2024	ND	6.36	106	6.00	8.78	
Total BTEX	<0.300	0.300	02/02/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.2 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**336**	16.0	02/02/2024	ND	448	112	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2024	ND	211	105	200	5.65	
DRO >C10-C28*	**14.2**	10.0	02/01/2024	ND	212	106	200	6.81	
EXT DRO >C28-C36	<10.0	10.0	02/01/2024	ND					

Surrogate: 1-Chlorooctane *104 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *103 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
AIMEE COLE
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	02/01/2024	Sampling Date:	02/01/2024
Reported:	02/06/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03E2057054	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK (32.817358-103.754432)		

Sample ID: FS 23 1.5' (H240490-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2024	ND	2.20	110	2.00	8.70	
Toluene*	<0.050	0.050	02/02/2024	ND	2.18	109	2.00	8.50	
Ethylbenzene*	<0.050	0.050	02/02/2024	ND	2.17	109	2.00	8.48	GC-NC
Total Xylenes*	<0.150	0.150	02/02/2024	ND	6.36	106	6.00	8.78	
Total BTEX	<0.300	0.300	02/02/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**544**	16.0	02/02/2024	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**11.6**	10.0	02/01/2024	ND	211	105	200	5.65	
DRO >C10-C28*	**582**	10.0	02/01/2024	ND	212	106	200	6.81	
EXT DRO >C28-C36	**87.4**	10.0	02/01/2024	ND					

Surrogate: 1-Chlorooctane *105 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *104 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
AIMEE COLE
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	02/01/2024	Sampling Date:	02/01/2024
Reported:	02/06/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03E2057054	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK (32.817358-103.754432)		

Sample ID: FS 24 1' (H240490-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2024	ND	2.20	110	2.00	8.70	
Toluene*	<0.050	0.050	02/02/2024	ND	2.18	109	2.00	8.50	
Ethylbenzene*	<0.050	0.050	02/02/2024	ND	2.17	109	2.00	8.48	
Total Xylenes*	<0.150	0.150	02/02/2024	ND	6.36	106	6.00	8.78	
Total BTEX	<0.300	0.300	02/02/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.0 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**304**	16.0	02/02/2024	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2024	ND	211	105	200	5.65	
DRO >C10-C28*	**63.7**	10.0	02/01/2024	ND	212	106	200	6.81	
EXT DRO >C28-C36	**14.3**	10.0	02/01/2024	ND					

Surrogate: 1-Chlorooctane *99.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *98.6 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
AIMEE COLE
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	02/01/2024	Sampling Date:	02/01/2024
Reported:	02/06/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03E2057054	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK (32.817358-103.754432)		

Sample ID: FS 25 1.5' (H240490-06)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2024	ND	2.20	110	2.00	8.70	
Toluene*	<0.050	0.050	02/02/2024	ND	2.18	109	2.00	8.50	
Ethylbenzene*	<0.050	0.050	02/02/2024	ND	2.17	109	2.00	8.48	
Total Xylenes*	<0.150	0.150	02/02/2024	ND	6.36	106	6.00	8.78	
Total BTEX	<0.300	0.300	02/02/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**672**	16.0	02/02/2024	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2024	ND	192	96.2	200	1.11	
DRO >C10-C28*	**255**	10.0	02/02/2024	ND	176	88.1	200	3.93	
EXT DRO >C28-C36	**70.9**	10.0	02/02/2024	ND					

Surrogate: 1-Chlorooctane *108 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *113 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC

Project Manager: Aimee Cole

Address: 3122 National Parks Hwy

City: Carlsbad State: NM Zip: 88220

Phone #: 720 384 7365 Fax #:

Project #: 03E2057054 Project Owner: Maverick

Project Name: Basin B Battery

Project Location: 32.817358, -103.754432

Sampler Name: Brant Hughes

BILL TO

P.O. #:

Company:

Attn:

Address:

City:

State: Zip:

Phone #:

Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (D)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH	Cl-	BTEX
H240490																		
1	SS12	0.5	G	1			x					x		2/1/24	1121	x	x	x
2	SW05	0-3'	C												1117			
3	SW11	0-1'													1115			
4	FS23	1.5'													0949			
5	FS24	1'													0852			
6	FS25	1.5'													0855			

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 2.1.24	Received By:	Verbal Result: ☐ Yes ☐ No [Add'l Phone #:
	Time: 1324	SRodriguez	All Results are emailed. Please provide Email address: acole@ensolum.com
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		

Delivered By: (Circle One) Sampler - UPS - Bus - Other:

Observed Temp. °C 3.6 Corrected Temp. °C

Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No

CHECKED BY: (Initials) SR

Turnaround Time: Standard ☒ Rush ☐ #140

Thermometer ID #113 Correction Factor -0.5°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

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

FORM-006 R 3.2 10/07/21

ENSOLUM

APPENDIX E

NMOCD Correspondence

From: Aimee Cole
To: Aimee Cole
Subject: Maverick Permian, LLC - Extension Request - Baish B Battery (Incident Number NAPP2235372941)
Date: Friday, February 16, 2024 12:28:02 PM
Attachments: image.png
image.png
image.png
image.png
Outlook-o5rxltz4.png
image001.png
image002.png
image003.png
image004.png

Aimee Cole
Senior Managing Scientist
720-384-7365
Ensolum, LLC

From: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Sent: Friday, February 16, 2024 12:27 PM
To: Aimee Cole <acole@ensolum.com>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: Re: [EXTERNAL] Maverick Permian, LLC - Extension Request - Baish B Battery (Incident Number NAPP2235372941)

[**EXTERNAL EMAIL**]

Good afternoon Aimee,

Your 60-day time extension request is approved. Remediation Due date has been updated to April 15, 2024.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

Regards,

Nelson Velez ● Environmental Specialist - Adv

Environmental Bureau | EMNRD - Oil Conservation Division

1000 Rio Brazos Road | Aztec, NM 87410

(505) 469-6146 | nelson.velez@emnrd.nm.gov

http://www.emnrd.state.nm.us/OCD/

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Wednesday, February 14, 2024 3:49 PM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Maverick Permian, LLC - Extension Request - Baish B Battery (Incident Number NAPP2235372941)

From: Aimee Cole <acole@ensolum.com>
Sent: Wednesday, February 14, 2024 3:46 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Subject: [EXTERNAL] Maverick Permian, LLC - Extension Request - Baish B Battery (Incident Number NAPP2235372941)

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

To Whom It May Concern,

Maverick Permian, LLC (Maverick) is requesting an extension of the current February 15, 2024, deadline for submitting a report required in 9.15.29.12.B.(1) NMAC detailing remedial actions at the Baish B Battery (Incident Number NAPP2235372941). Excavation activities commenced on January 26, 2024, and were completed on February 9, 2024. Maverick is requesting an extension of the current deadline in order to install a soil boring to confirm depth to groundwater greater than 55 feet at the Site and confirm the applied Closure Criteria. In order to schedule a drilling contractor, complete the soil boring, and prepare a report Maverick requests a 60-day extension until April 15, 2024.

Thank you,

Aimee Cole

Senior Managing Scientist

720-384-7365

Ensolum, LLC

From: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Sent: Wednesday, February 21, 2024 12:01 PM
To: Aimee Cole <acole@ensolum.com>
Subject: Re: [EXTERNAL] FW: The Oil Conservation Division (OCD) has approved the application, Application ID: 250693

[**EXTERNAL EMAIL**]
Good afternoon Aimee,

Thank you for the correspondence. Your bore hole location is approved.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

The OCD requires a copy of all correspondence relative to remedial activities be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, sample events, spill/release/fire, and request for time extensions or variances.

Regards,

Nelson Velez ● Environmental Specialist - Adv
Environmental Bureau | EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87410
(505) 469-6146 | nelson.velez@emnrd.nm.gov
http://www.emnrd.state.nm.us/OCD/

From: Aimee Cole <acole@ensolum.com>
Sent: Wednesday, February 21, 2024 11:50 AM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Subject: [EXTERNAL] FW: The Oil Conservation Division (OCD) has approved the application, Application ID: 250693

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

Hi Nelson,

Per condition #2 below, Maverick is providing the proposed location of the soil boring for depth to water determination at Baish B Battery (Incident Number: NAPP2235372941).

Maverick proposes to advance the soil boring to a depth of 55 feet at the Baish B Battery (on the same pad as the release location).
See below aerial image.

Let me know if you have any questions or require any additional information.

Aimee Cole
Senior Managing Scientist
720-384-7365
Ensolum, LLC

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Friday, November 17, 2023 6:57 AM
To: Aimee Cole <acole@ensolum.com>
Subject: The Oil Conservation Division (OCD) has approved the application, Application ID: 250693

[**EXTERNAL EMAIL**]

To whom it may concern (c/o Aimee Cole for Maverick Permian LLC),
The OCD has approved the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2235372941,
with the following conditions:

- **Remediation plan is approved with the following conditions; 1. In order to achieve a more accurate estimation for depth to water, Maverick Permian must drill an exploratory boring as close to the point of release to determine if water is greater than 50 feet or choose to utilize the most stringent closure criteria. 2. Maverick must receive OCD pre-approval of the boring location prior to its advancement. Email correspondence is acceptable. 3. Maverick has 90-days (February 15, 2024) to submit its appropriate or final closure report.**

The signed C-141 can be found in the OCD Online: Imaging under the incident ID (n#).

If you have any questions regarding this application, please contact me.
Thank you,
Nelson Velez
Environmental Specialist – Advanced
505-469-6146
Nelson.Velez@emnrd.nm.gov
New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

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

QUESTIONS

Action 334454

QUESTIONS

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 334454
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2235372941**
Incident Name	**NAPP2235372941 BAISH B BATTERY @ 0**
Incident Type	**Oil Release**
Incident Status	**Remediation Closure Report Received**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	BAISH B BATTERY
Date Release Discovered	11/30/2022
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc. | Production Tank | Crude Oil | Released: 7 BBL | Recovered: 0 BBL | Lost: 7 BBL.
Produced Water Released (bbls) Details	*Not answered.*
Is the concentration of chloride in the produced water >10,000 mg/l	*Not answered.*
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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QUESTIONS (continued)

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 334454
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**No**
Reasons why this would be considered a submission for a notification of a major release	*Unavailable.*
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Aimee Cole Email: acole@ensolum.com Date: 04/17/2024

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QUESTIONS (continued)

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 334454
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	752
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	681
GRO+DRO (EPA SW-846 Method 8015M)	594
BTEX (EPA SW-846 Method 8021B or 8260B)	0.5
Benzene (EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	02/27/2023
On what date will (or did) the final sampling or liner inspection occur	02/01/2024
On what date will (or was) the remediation complete(d)	02/01/2024
What is the estimated surface area (in square feet) that will be reclaimed	4300
What is the estimated volume (in cubic yards) that will be reclaimed	500
What is the estimated surface area (in square feet) that will be remediated	5000
What is the estimated volume (in cubic yards) that will be remediated	700
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 334454
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	R360 Artesia LLC LANDFARM [fEEM0112340644]
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Aimee Cole Email: acole@ensolum.com Date: 04/17/2024
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 334454
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

District I
1625 N. French Dr., Hobbs, NM 88240
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS (continued)

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 334454
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**312411**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**02/09/2024**
What was the (estimated) number of samples that were to be gathered	**2**
What was the sampling surface area in square feet	**400**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Was this release entirely contained within a lined containment area	**No**
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	5000
What was the total volume (cubic yards) remediated	700
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	4300
What was the total volume (in cubic yards) reclaimed	500
Summarize any additional remediation activities not included by answers (above)	Remediation was completed in accordance with the approved Work Plan.

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: Aimee Cole Email: acole@ensolum.com Date: 04/17/2024

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
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District IV
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QUESTIONS (continued)

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 334454
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 334454

CONDITIONS

Operator:	OGRID:
Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	331199
	Action Number: 334454
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Remediation closure report approved, release resolved. Soil impacts exceeding the reclamation standards have been left in place and are required to meet 19.15.29.13D (1) NMAC once the site is no longer reasonably needed for production or subsequent drilling ops.	5/14/2024