ENSOLUM

August 7, 2023

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

Re: Remediation Work Plan
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 the following *Remediation Work Plan* (RWP) to address residually impacted soil resulting from an overflow of crude oil related to a tank at the Baish B Battery (Site). This RWP provides a summary of assessment and delineation activities as well as excavation and soil sampling activities completed to date. Based on remediation activities described below, Maverick is submitting this RWP to complete excavation of impacted soil in a heavily concentrated underground and aboveground flowline corridor as it relates to 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, a tank overflowed resulting in the release of 7.4 barrels (bbls) of crude oil on and off pad. No released fluids were recovered. Maverick reported the release to the New Mexico Oil Conservation Division (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 desktop review are presented on page 3 of the Form C-141, Site Assessment/Characterization. Potential Site receptors are identified on Figure 1.

Depth to groundwater at the Site is estimated to be between 51 feet and 100 feet below ground surface (bgs) based on the nearest available groundwater well data. The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well RA-12521-POD 1, located 4,880 feet west-southwest of the Site. The groundwater well was drilled during July 2017 to depth of 105 feet bgs and has a reported depth to groundwater of 92 feet bgs. All wells used for depth

to groundwater determination are presented on Figure 1. The referenced well records are included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is greater than 300 feet away. 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 from a 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

On December 1, 2022 and January 9, 2023, Site assessment activities were conducted to evaluate the release extent based on information provided on the Form C-141 and visual observations. A total of eight surface soil samples (SS01 through SS08) we collected from in and around the release extent; surface soil samples SS01 and SS02 were collected within the release extent. All soil samples were collected at 0.5 feet bgs.

Soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. The delineation soil sample locations are depicted on Figure 2. Photographic documentation was conducted at the Site. 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 Laboratories (Eurofins) in Carlsbad, New Mexico, for analyses 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.

Laboratory analytical results indicated concentrations of TPH-GRO and TPH-DRO combined as well as total TPH exceeded the Closure Criteria in soil samples SS01 and SS02. As a result, excavation of impacted soil appeared warranted. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included as Appendix C.

EXCAVATION ACTIVITIES

Following Site assessment activities, excavation of impacted soil was completed between February 27, 2023 and March 2, 2023. Excavation activities were performed using a backhoe and transport vehicles, which were directed by soil screening for VOCs and chloride. Based on field screening, impacted soil was excavated by mechanical means in three locations: east, south-central, and west. The east excavation was completed to depths ranging from approximately 2 feet to 3.5 feet bgs. The south-central excavation was completed to a total depth of approximately 4 feet bgs. The western excavation was completed to total depths ranging from approximately 3 feet to 3.5 feet bgs. Photographic documentation of the excavation activities is included in Appendix B.

Following removal of the impacted soil, 5-point composite soil samples were collected every 200 square feet from the floor and sidewalls of the excavations. 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. 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 and submitted for laboratory analysis as described in the previous section. The excavation extent and excavation soil sample locations are presented on Figure 3. Composite floor and sidewall soil samples included:

- East Excavation: FS01 through FS06 and SW01 and SW02
- South-Central Excavation: FS07 through FS10 and SW06 and SW07
- West Excavation: FS11 through FS13 and SW03 and SW04

Laboratory analytical results for all excavation floor and sidewall samples indicated all COCs were compliant with the Site Closure Criteria. All soil excavation confirmation samples collected off pad met the reclamation requirement, except for floor sample FS01, which contained 104 mg/kg TPH. Laboratory analytical results are summarized in Table 1 and laboratory analytical reports are included as Appendix C.

During excavation activities, an unmarked subsurface flowline was struck just east of the wellhead. It was determined there were other known and potentially unknown utilities in this historically heavily operated area north and east of the wellhead, and as such, Maverick postponed excavation in this area until non-destructive means were available to protect worker safety and reduce/eliminate the potential for an environmental release through inadvertently striking a flowline.

To date, the combined excavation areas (east, south-central, and west) measure approximately 2,620 square feet. A total of approximately 260 cubic yards of impacted soil were removed during excavation activities. The impacted soil was transported and properly disposed of at the R360 Facility in Hobbs, New Mexico. The excavations will be backfilled with locally procured caliche and topsoil and contoured to match the surrounding grade. Areas in the pasture will be seeded with a BLM-approved seed mixture in the fall to support germination and revegetation growth.

PROPOSED REMEDIAL ACTIONS

Additional impacted soil remains on pad north and east of the wellhead and in an area off pad to the south (Figure 4). There are untraceable subsurface flowlines in these areas and Maverick proposes to excavate the remaining impacted soil via hydrovac and/or hand shoveling. The area on the well pad (Proposed North-Central Excavation) is approximately 1,500 square feet in areal extent containing approximately 225 cubic yards of impacted soil, assuming the excavation will be completed to a

maximum depth of 4 feet bgs. The off-pad area (Proposed South Excavation) is approximately 225 square feet in areal extent containing approximately 35 cubic yards of impacted soil, assuming the excavation will be completed to a maximum depth of 4 feet bgs. Following excavation, floor and sidewall confirmation samples will be collected on a frequency of every 200 square feet and submitted for laboratory analysis of BTEX, TPH, and chloride as described above.

Based on a review of the existing excavation sizes, delineation data, and soil confirmation analytical results, the following deficiencies will also be addressed:

- Two additional floor soil samples (FS14 and FS15) and one sidewall sample (SW05) will be collected from the south-central excavation based on the excavation size;
- Additional lateral delineation soil samples will be collected to the northwest (SS09) and north (SS10) of the release extent at approximately 0.5 feet bgs to confirm the lateral extent of the release; and
- Maverick will resample floor soil sample FS01 to determine if natural attenuation supported the reduction of 4 mg/kg of TPH concentrations within the top 4 feet of the pasture. Floor soil sample FS01 will be resampled as a 5-point composite at a depth of approximately 2 feet bgs. If laboratory analytical results indicate natural attenuation has not reduced the TPH concentration in this area, the floor will be excavated until the composite floor sample is in compliance with the Closure Criteria and reclamation requirement.

NMOCD correspondences to date are included in Appendix D and the C-141 is included in Appendix E.

Initial response efforts and mechanical excavation of impacted soil have mitigated impacts at this Site, but based on the potential for untraceable subsurface pipelines, continued mechanical excavation was prohibited and future excavation is proposed via hydrovac or manual removal. Remedial actions will be completed within 90 days of receiving approval from NMOCD. A Closure Report will be submitted to NMOCD documenting the additional remedial actions following field work.

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

Sincerely,
Ensolum, LLC

Daniel R. Moir, PG
Senior Managing Geologist

Aimee Cole
Senior Managing Scientist

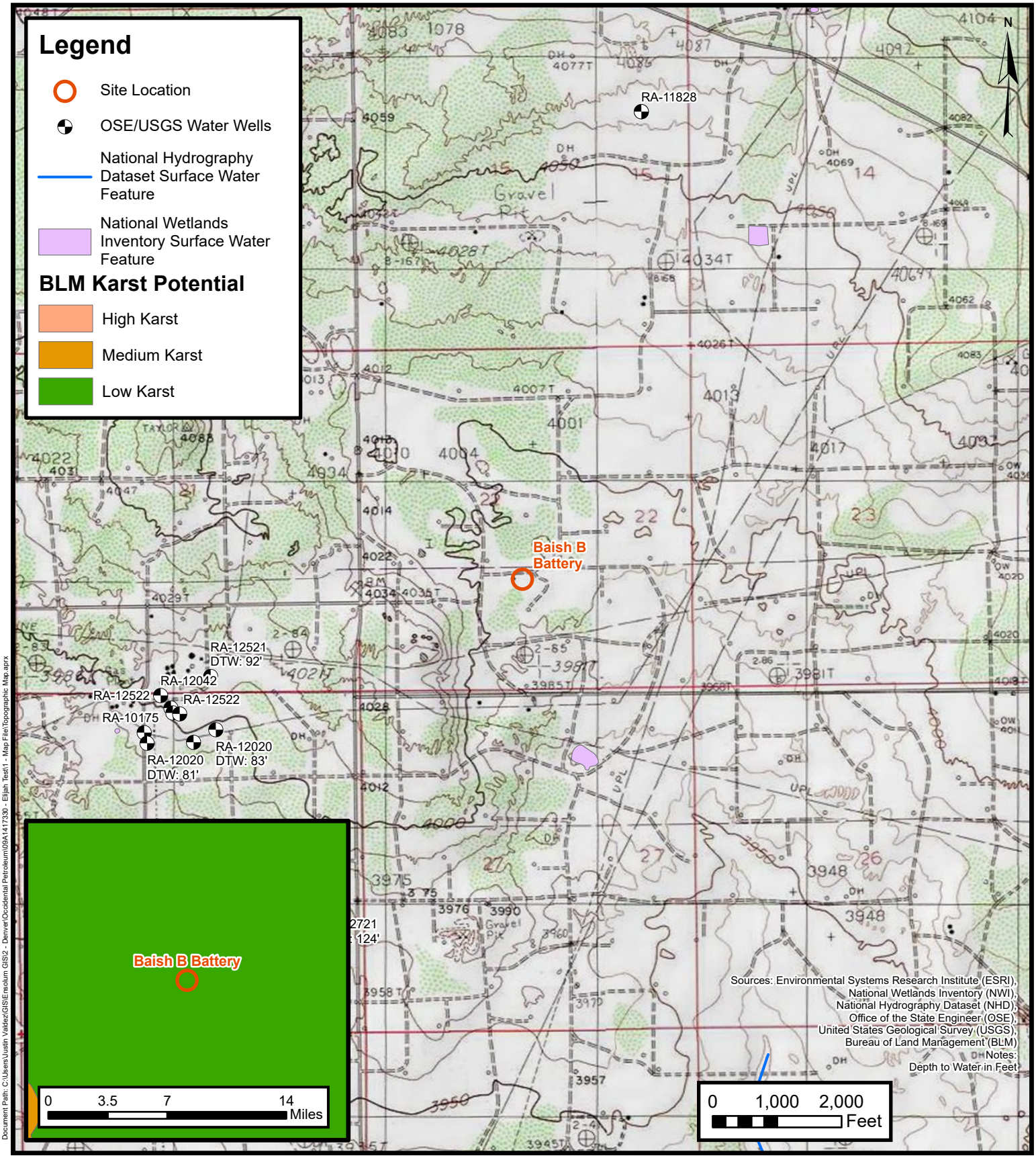
cc: Bryce Wagoner, Maverick Permian, LLC
Bureau of Land Management

Appendices:

Figure 1	Site Receptor Map
Figure 2	Delineation Soil Sample Locations
Figure 3	Excavation Soil Sample Locations
Figure 4	Proposed Remedial Actions
Table 1	Soil Analytical Results
Appendix A	Referenced Well Records
Appendix B	Photographic Log
Appendix C	Laboratory Analytical Reports and Chain-of-Custody Documentation
Appendix D	NMOCD Correspondences
Appendix E	Form C-141

ENSOLUM

FIGURES

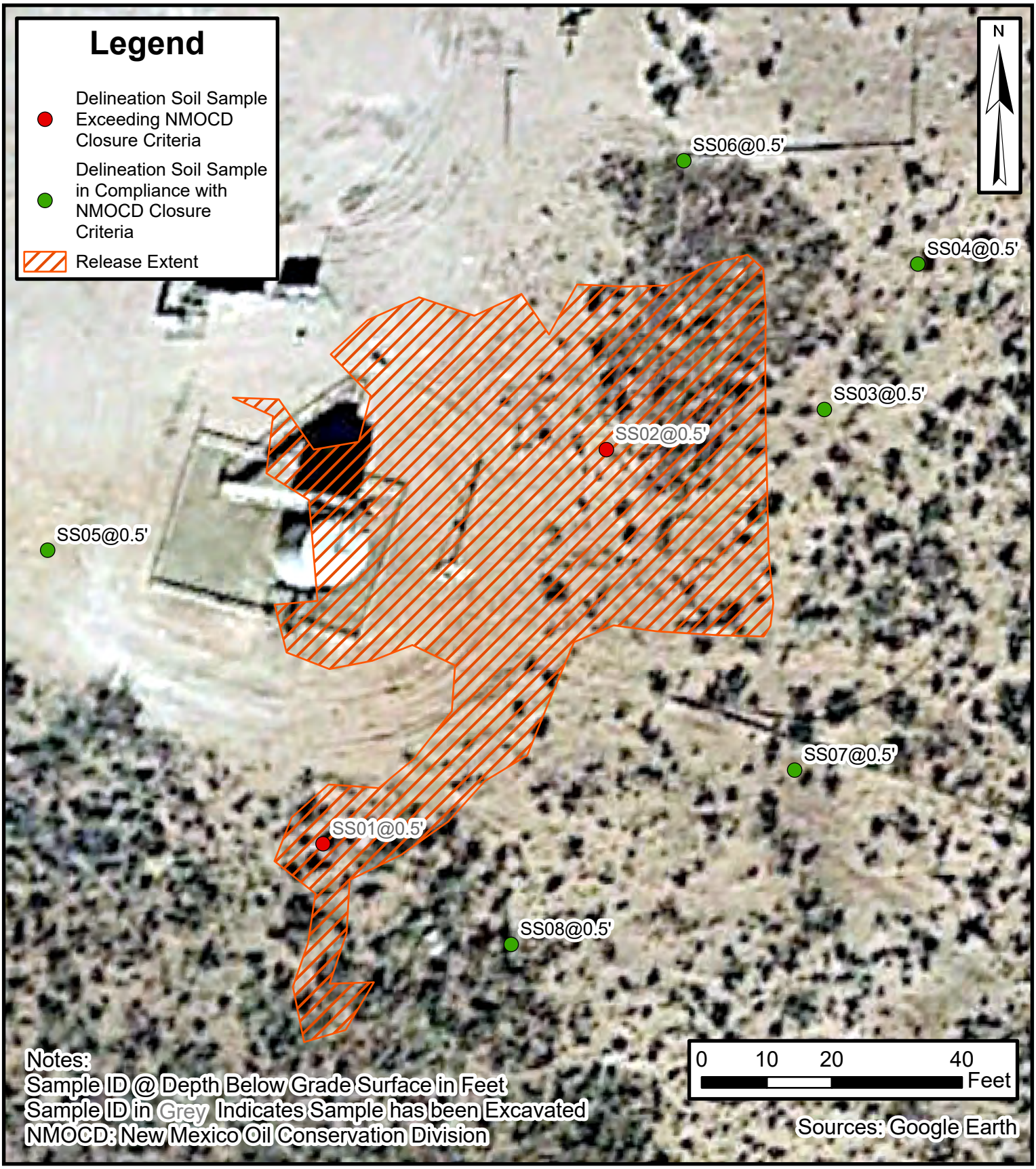


ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Site Location Map

Maverick Permian, LLC
Baish B Battery
Unit: K, Section: 22, Township: 17S, Range: 32E
Lea County, New Mexico
Incident Number: NAPP2235372941

FIGURE
1

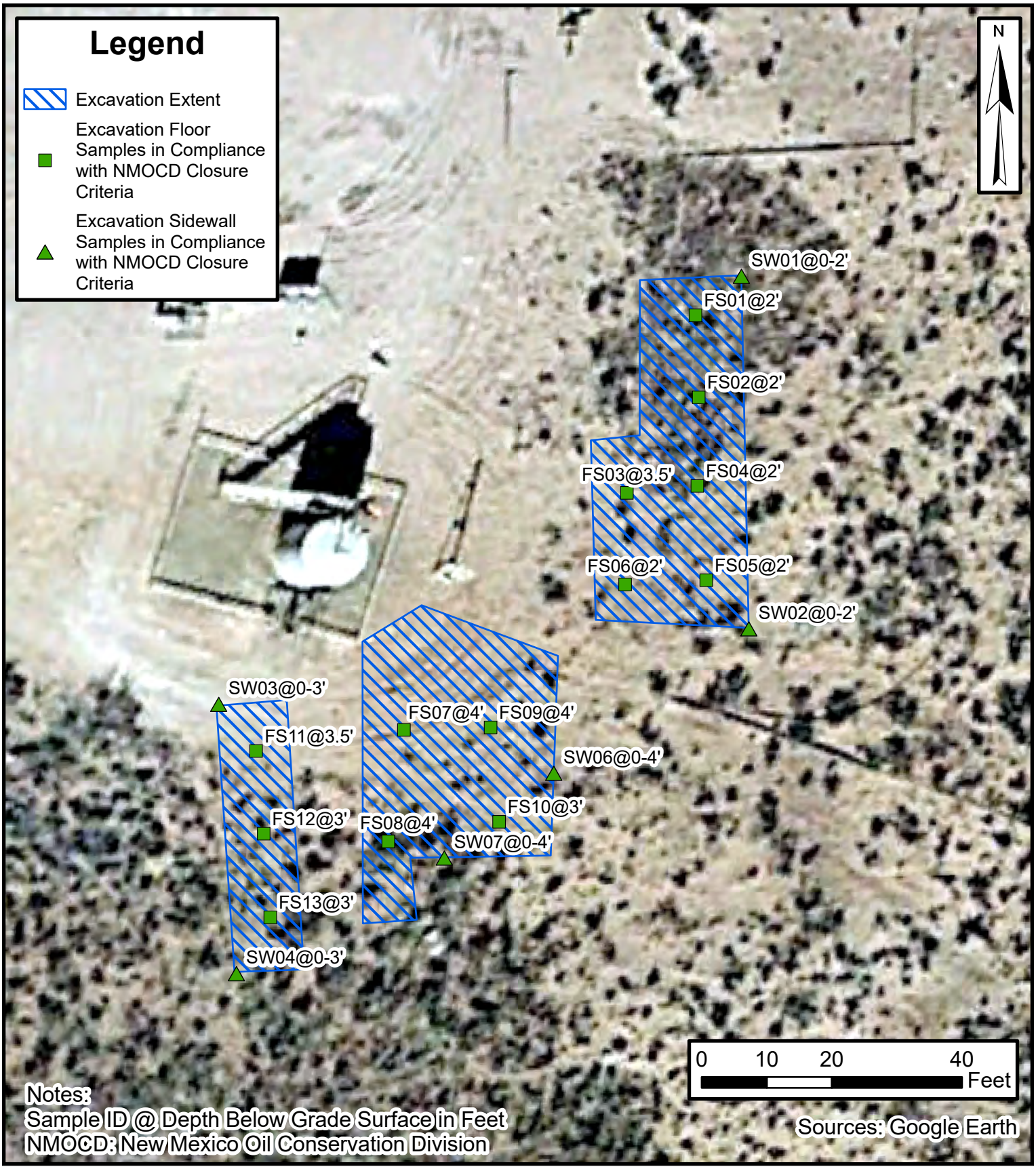


ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Delineation Soil Sample Locations

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

FIGURE
2

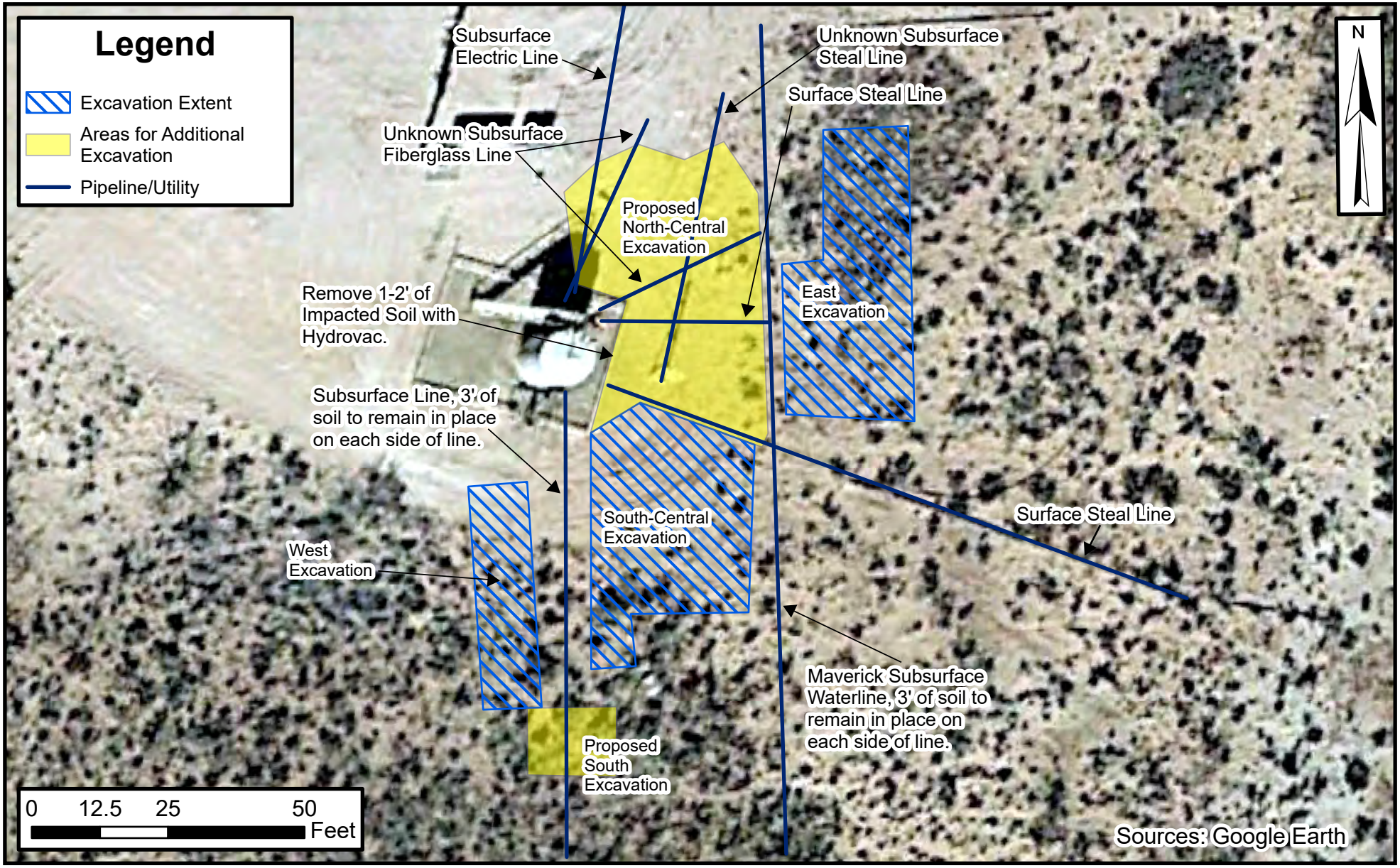


ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Excavation Soil Sample Locations

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

FIGURE
3



ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Proposed Remedial Actions

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

FIGURE
4

ENSOLUM

TABLE

ENSOLUM

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
Excavation Soil Samples										
FS01	02/27/2023	2'	<0.00198	<0.00396	<49.9	104	<49.9	104	104	53.7
FS02	02/27/2023	2'	<0.00199	<0.00398	<49.9	55.6	<49.9	55.6	55.6	60.2
FS03	02/27/2023	3.5'	<0.00201	0.490	<50.0	<50.0	<50.0	<50.0	<50.0	55.2
FS04	02/28/2023	2'	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	69.3
FS05	02/28/2023	2'	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	43.1
FS06	02/28/2023	2'	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	54.0
FS07	03/01/2023	4'	<0.00198	<0.00396	<49.9	146	<49.9	146	146	106
FS08	03/01/2023	4'	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	74.9
FS09	03/01/2023	4'	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	305
FS10	02/28/2023	3'	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	61.9
FS11	03/01/2023	3.5'	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	158
FS12	03/01/2023	3'	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	128
FS13	03/01/2023	3'	<0.00201	<0.00402	70.6	<50.0	<50.0	<50.0	70.6	82.4
SW01	02/27/2023	0-2'	<0.00202	<0.00403	66.7	<50.0	<50.0	<50.0	66.7	36.7
SW02	02/28/2023	0-2'	<0.00199	<0.00398	64.7	<50.0	<50.0	<50.0	64.7	51.8
SW03	03/01/2023	0-3'	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	80.8
SW04	03/01/2023	0-3'	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	88.4
SW06	03/01/2023	0-4'	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	42.3
SW07	03/01/2023	0-4'	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	69.3

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

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

Grey text represents samples that have been excavated

ENSOLUM

APPENDIX A

Referenced Well Records

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: 12/21/2022
Description: Impacted soil from release
View: Northwest

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

APPENDIX C

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.

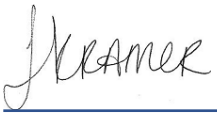
my EOL

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



Generated
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

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 6
Surrogate Summary 10
QC Sample Results 11
QC Association Summary 15
Lab Chronicle 17
Certification Summary 19
Method Summary 20
Sample Summary 21
Chain of Custody 22
Receipt Checklists 23

Definitions/Glossary

Client: Ensolum Job ID: 890-3806-1
Project/Site: Baish B Battery 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
Oll 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

Eurofins Carlsbad

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

eurofins | Environment Testing Xenco

Chain of Custody

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

Work Order No: _____

www.xenco.com Page 1 of 1

Project Manager:	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	

eurofins | Environment Testing

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.

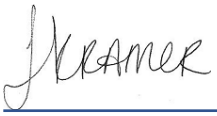
my EOL

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



Generated
1/16/2023 6:34:29 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: 890-3807-1
SDG: Lea County NM

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 6
Surrogate Summary 10
QC Sample Results 11
QC Association Summary 15
Lab Chronicle 17
Certification Summary 19
Method Summary 20
Sample Summary 21
Chain of Custody 22
Receipt Checklists 23

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

Client Sample Results

Client: Ensolum
Project/Site: Baish B Battery

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

Client Sample ID: SS08

Lab Sample ID: 890-3807-4

Date Collected: 01/09/23 13:30
Matrix: Solid
Date Received: 01/10/23 09:05
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.0	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

eurofins | Environment Testing Xenco

Chain of Custody

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

Work Order No: _____

www.xenco.com Page 1 of 1

Project Manager:	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	CHLORIDES (EPA: 300.0)	TPH (8015)	BTEX (8021)	Sample Comments
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	Incident Number
SS08	S	1/9/2023	1330	0.5'	Grab	1		x	x	x	

890-3807 Chain of Custody

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

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		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.

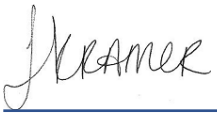
my EOL

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



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

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

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 6
Surrogate Summary 22
QC Sample Results 24
QC Association Summary 37
Lab Chronicle 43
Certification Summary 49
Method Summary 50
Sample Summary 51
Chain of Custody 52
Receipt Checklists 54

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*

Eurofins Carlsbad

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
Matrix: Solid
Date Collected: 02/28/23 11:35
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
Matrix: Solid
Date Collected: 02/28/23 11:40
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*

Eurofins Carlsbad

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
Date Collected: 03/01/23 11:50
Date Received: 03/03/23 08:40
Sample Depth: 3'

Lab Sample ID: 890-4231-13
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	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
Date Collected: 02/27/23 14:50
Date Received: 03/03/23 08:40
Sample Depth: 0-2'

Lab Sample ID: 890-4231-14
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		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

Eurofins Carlsbad

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)											
		BFB1	DFBZ1										
Lab Sample ID	Client Sample ID	(70-130)	(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

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
Date Collected: 02/27/23 13:50
Date Received: 03/03/23 08:40

Lab Sample ID: 890-4231-1
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			5.05 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
Date Collected: 02/27/23 13:55
Date Received: 03/03/23 08:40

Lab Sample ID: 890-4231-2
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	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
Date Collected: 02/27/23 14:40
Date Received: 03/03/23 08:40

Lab Sample ID: 890-4231-3
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			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
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	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

Eurofins Carlsbad

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
Date Collected: 03/01/23 10:00
Date Received: 03/03/23 08:40

Lab Sample ID: 890-4231-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 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
Date Collected: 03/01/23 09:40
Date Received: 03/03/23 08:40

Lab Sample ID: 890-4231-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 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
Date Collected: 03/01/23 11:50
Date Received: 03/03/23 08:40

Lab Sample ID: 890-4231-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 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
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	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

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
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

Date Collected: 03/01/23 12:10
Date Received: 03/03/23 08:40

Lab Sample ID: 890-4231-18
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	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

Date Collected: 03/01/23 12:15
Date Received: 03/03/23 08:40

Lab Sample ID: 890-4231-19
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 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'

eurofins | Environment Testing Xenco

Chain of Custody

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

Work Order No: _____

www.xenco.com Page 1 of 2

Project Manager:	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:

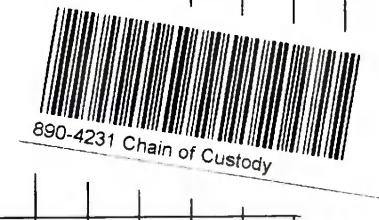
Project Name:	Maverick Baish B Battery	Turn Around	☑ Routine ☐ Rush
Project Number:	03E2057054	Due Date:	
Project Location:	Lea County, NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Dmitry Nikanorov		
PO #:			

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	



Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 DV	Clue Cup	3.3.23 840	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

eurofins | Environment Testing Xenco

Chain of Custody

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

Work Order No: _____

www.xenco.com Page 2 of 2

Project Manager:	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:	
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

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		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	

ENSOLUM

APPENDIX D

NMOCD Notifications

Dan Moir

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Sent: Wednesday, March 1, 2023 5:26 PM
To: Josh Adams
Cc: Bratcher, Michael, EMNRD; Hamlet, Robert, EMNRD; Harimon, Jocelyn, EMNRD
Subject: FW: [EXTERNAL] Extension Request - Baish B Battery (Incident Number NAPP2235372941)

[**EXTERNAL EMAIL**]

Hello Josh

OCD approves your request for a 60-day extension to April 29, 2023 to submit a remediation plan or closure report. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thanks,
Jennifer Nobui

From: Josh Adams <jadams@ensolum.com>
Sent: Tuesday, February 28, 2023 2:21 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Anna Byers <abyers@ensolum.com>; Joe Gable <jgable@ensolum.com>
Subject: [EXTERNAL] 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,

Baish B Battery (Incident Number NAPP2235372941)

Maverick Permian, LLC (Maverick) is requesting an extension for the current deadline of February 28, 2023, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC for Baish B Battery (Incident Number NAPP2235372941). The release was discovered on November 30, 2022, and initial site assessment activities and delineation activities have been completed. Delineation activities revealed that additional remediation is warranted. To complete additional remediation activities and submit a remediation work plan or closure report, Maverick requests a 60-day extension of this deadline until April 29, 2023.

Josh Adams, PG
Project Geologist
303-517-8437
Ensolum, LLC

PLEASE NOTE OUR NEW CORPORATE ADDRESS:
Ensolum, LLC
8330 LBJ Freeway, Ste. B830
Dallas, TX 75243

Dan Moir

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Friday, December 30, 2022 6:41 PM
To: Kalei Jennings
Cc: Bratcher, Michael, EMNRD; Nobui, Jennifer, EMNRD
Subject: RE: [EXTERNAL] Maverick- Sampling Notification (Week of 01/02/2023)

[**EXTERNAL EMAIL**]

Good morning Kalei,

Please be aware that notification requirements are **two business days**, per rule. Please proceed on your schedule. Also, please include this, and all correspondence, in the closure report to insure inclusion in the project file.

Thank you,
Jocelyn

Jocelyn Harimon ● Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
http:// **www.emnrd.nm.gov**

From: Kalei Jennings <kjennings@ensolum.com>
Sent: Friday, December 30, 2022 10:25 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Hadlie Green <hgreen@ensolum.com>; Josh Adams <jadams@ensolum.com>
Subject: [EXTERNAL] Maverick- Sampling Notification (Week of 01/02/2023)

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

All,

Maverick Natural Resources (Maverick) plans to complete final sampling activities at the following sites the week of January 2, 2023.

- Ruby Federal/ NAPP2231448981
- SEMU Eumont 117/ NAPP2231946665
- Oxy State F-1 / NAPP2235375291
- Jalmat 170 / NAPP2233946698
- Baish B Battery / NAPP2235372941

Thank you,

Kalei Jennings
Senior Scientist
817-683-2503
Ensolum, LLC

Dan Moir

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Thursday, January 5, 2023 5:50 PM
To: Kalei Jennings
Cc: Bratcher, Michael, EMNRD; Nobui, Jennifer, EMNRD
Subject: RE: [EXTERNAL] Maverick- Sampling Notification (Week of 01/09/2023)

[**EXTERNAL EMAIL**]

Kalei,

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

JH

Jocelyn Harimon ● Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
http:// **www.emnrd.nm.gov**

From: Kalei Jennings <kjennings@ensolum.com>
Sent: Wednesday, January 4, 2023 5:08 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Hadlie Green <hgreen@ensolum.com>; Josh Adams <jadams@ensolum.com>
Subject: [EXTERNAL] Maverick- Sampling Notification (Week of 01/09/2023)

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

All,

Maverick Natural Resources (Maverick) plans to complete final sampling activities at the following sites the week of January 9, 2023.

- Oxy State F-1 / NAPP2235375291
- Jalmat 188 / NAPP2235373931
- Baish B Battery / NAPP2235372941
- MCA Battery #4 / NAPP2235376218
- VGEU 30-01 / NAPP2200643457
- EVGSAU Satellite 5 / NAPP2213957732

Thank you,

Kalei Jennings
Senior Scientist
817-683-2503
Ensolum, LLC

Dan Moir

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Thursday, February 2, 2023 4:54 PM
To: Kalei Jennings; Enviro, OCD, EMNRD
Cc: Josh Adams; Hadlie Green; Bratcher, Michael, EMNRD; Nobui, Jennifer, EMNRD
Subject: RE: [EXTERNAL] Maverick- Sampling Notification (Week of 02/06/2023)

[**EXTERNAL EMAIL**]

Kalei,

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

JH

Jocelyn Harimon ● Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
http:// **www.emnrd.nm.gov**

From: Kalei Jennings <kjennings@ensolum.com>
Sent: Wednesday, February 1, 2023 8:14 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Josh Adams <jadams@ensolum.com>; Hadlie Green <hgreen@ensolum.com>
Subject: [EXTERNAL] Maverick- Sampling Notification (Week of 02/06/2023)

All,

Maverick Natural Resources, LLC (Maverick) plans to complete final sampling activities at the following sites the week of February 6, 2023.

- Buckey 43-01/ NAPP2230752440
- Leamex 018/ NAPP2234158858
- SC Federal Battery/ NAPP2303272686
- Baish B Battery/ NAPP2235372941
- Oxy State F-1 / NAPP2235375291

Thank you,

Kalei Jennings
Senior Scientist
817-683-2503
Ensolum, LLC

Dan Moir

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Wednesday, February 8, 2023 11:29 PM
To: Kalei Jennings
Cc: Nobui, Jennifer, EMNRD; Bratcher, Michael, EMNRD
Subject: RE: [EXTERNAL] Maverick- Sampling Notification (Week of 02/13/2023)

[**EXTERNAL EMAIL**]

Kalei,

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

JH

Jocelyn Harimon ● Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
http:// **www.emnrd.nm.gov**

From: Kalei Jennings <kjennings@ensolum.com>
Sent: Wednesday, February 8, 2023 2:53 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Josh Adams <jadams@ensolum.com>
Subject: [EXTERNAL] Maverick- Sampling Notification (Week of 02/13/2023)

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

All,

Maverick Natural Resources, LLC (Maverick) plans to complete final sampling activities at the following sites the week of February 13, 2023.

- EVGSAU 2801/ NAPP2221675703
- Leamex 018/ NAPP2234158858
- MCA 4/ NAPP2235376218
- Baish B Battery/ NAPP2235372941
- Oxy State F-1 / NAPP2235375291

Thank you,

Kalei Jennings
Senior Scientist
817-683-2503
Ensolum, LLC

Dan Moir

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Friday, February 17, 2023 4:24 PM
To: Kalei Jennings
Cc: Nobui, Jennifer, EMNRD; Bratcher, Michael, EMNRD
Subject: RE: [EXTERNAL] Maverick- Sampling Notification (Week of 02/20/2023)

[**EXTERNAL EMAIL**]

Kalei,

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

JH

Jocelyn Harimon ● Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
http:// **www.emnrd.nm.gov**

From: Kalei Jennings <kjennings@ensolum.com>
Sent: Thursday, February 16, 2023 11:28 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Bryce Wagoner <Bryce.Wagoner@mavresources.com>
Subject: [EXTERNAL] Maverick- Sampling Notification (Week of 02/20/2023)

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

All,

Maverick Permian, LLC (Maverick) plans to complete final sampling activities at the following sites the week of February 20, 2023.

- Cone Jalmat South Satellite Header / NAPP2301881992
- Leamex 018/ NAPP2234158858
- MCA 351/ NAPP2302035947
- Jalmat 188 / NAPP2235373931
- Baish B Battery/ NAPP2235372941

Thank you,

Kalei Jennings
Senior Scientist
817-683-2503
Ensolum, LLC

ENSOLUM

APPENDIX E

Final C-141

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

State of New Mexico
Energy Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	NAPP2235372941
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Maverick Permian, LLC	OGRID: 331199
Contact Name: Bryce Wagoner	Contact Telephone: 928-241-1862
Contact email: Bryce.Wagoner@mavresources.com	Incident # *(assigned by OCD)* NAPP2235372941
Contact mailing address: 1410 NW County Road Hobbs, NM 88240	

Location of Release Source

Latitude 32.817358 Longitude -103.754432

(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Baish B Battery	Site Type
Date Release Discovered November 30, 2022	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
K	22	17 S	32 E	Lea

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (*Name:* _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

☒ Crude Oil	Volume Released (bbls) 7.4 0bbls	Volume Recovered (bbls) 0 bbls
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☒ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release
The release was caused by a tank overflow resulting in a release on and off-pad. The release resulted in an overspray east of the battery. The source of the release has been stopped and the impacted area has been secured. Initial response and removal of saturated soil from the release area has been completed.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2235372941
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☒ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

☒ The source of the release has been stopped.
☒ The impacted area has been secured to protect human health and the environment.
☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: ____Bryce Wagoner_____ Title: ___Permian HSE Specialist II_____

Signature: _____ Date: ___12/19/2022_____

email: _____Bryce.Wagoner@mavresources.com____ Telephone: ___928-241-1862_____

OCD Only

Received by: _____ Date: _____

NAPP2235372941

Pooled Fluids on the Surface											
	Length (ft.)	Width (ft.)	Depth (in)	# of Boundaries *edges of pool where depth is 0 . don't count shared boundaries*	Oil-Water Ratio (%)	Pooled Area (ft^2)	Estimated Average Depth (ft.)	Pooled Volume (bbl.)	Volume of Oil in Subsurface (bbl.)	Volume of Water in Subsurface (bbl.)
Rectangle A					0.01	0.0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle B					0.01	0.0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle C						0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle D						0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle E						0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
							Total Volume (bbls):	**0.00**	**0.00**	**0.00**

Subsurface Fluids										
	Length (ft.)	Width (ft.)	Depth (in.)	Saturation (%) *10% in consolidated sediments after rain to 50% in sand with no precipitation*	Oil-Water Ratio (%)	Area (ft^2)	Volume (bbl.)	Estimated Volume in Subsurface (bbl.)	Volume of Oil in Subsurface (bbl.)	Volume of Water in Subsurface (bbl.)
Rectangle A	40.0	13.0	12.0	0.1	0.01	520.0	92.6	7.4	0.07	7.3
Rectangle B				0.1	0.01	0.0	0.0	0.0	0.00	0.0
Rectangle C				0.1	0.01	0.0	0.0	0.0	0.00	0.0
Rectangle D				0.1	0.01	0.0	0.0	0.0	0.00	0.0
Rectangle E				0.1	0.01	0.0	0.0	0.0	0.00	0.0
Rectangle F						0.0	0.0	0.0	0.00	0.0
Rectangle G						0.0	0.0	0.0	0.00	0.0
Rectangle H						0.0	0.0	0.0	0.00	0.0
Rectangle I						0.0	0.0	0.0	0.00	0.0
Rectangle J						0.0	0.0	0.0	0.00	0.0
							Total Volume (bbls):	**7.40**	**0.07**	**7.33**

TOTAL RELEASE VOLUME (bbls):	**7.4**

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2235372941
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	>51 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: ***Each of the following items must be included in the report.***

☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
☒ Field data
☒ Data table of soil contaminant concentration data
☒ Depth to water determination
☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
☒ Boring or excavation logs
☒ Photographs including date and GIS information
☒ Topographic/Aerial maps
☒ Laboratory data including chain of custody

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2235372941
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: ___Bryce Wagoner_____ Title: ___ Permian HSE Specialist II _____

Signature:_____ Date: ___08/07/2023_____

email: __ Bryce.Wagoner@mavresources.com _____ Telephone: _928-241-1862_____

OCD Only

Received by: Shelly Wells_____ Date: 8/10/2023_____

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2235372941
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: ***Each of the following items must be included in the plan.***

☒ Detailed description of proposed remediation technique
☒ Scaled sitemap with GPS coordinates showing delineation points
☒ Estimated volume of material to be remediated
☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

☐ Extents of contamination must be fully delineated.

☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: ___Bryce Wagoner_____ Title: __ Permian HSE Specialist II _____

Signature: _____ Date: ____08/07/23_____

email: _ Bryce.Wagoner@mavresources.com _____ Telephone: _928-241-1862__________

OCD Only

Received by: Shelly Wells Date: 8/10/2023

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

see text box below - NV

Signature: Nelson Velez Date: 11/17/2023

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.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 250693

CONDITIONS

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 250693
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	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.	11/17/2023