## E N S O L U M

April 15, 2024

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

### Re: Closure Request Baish B Battery Incident Number NAPP2235372941 Lea County, New Mexico

To Whom It May Concern:

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

### SITE DESCRIPTION AND RELEASE SUMMARY

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

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

### SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

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

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

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

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

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

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

### SITE ASSESSMENT AND DELINEATION ACTIVITIES

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

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Eurofins or Cardinal Laboratories for analysis of the following constituents of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0 or Standard Method SM4500.

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



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

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

### **EXCAVATION ACTIVITIES**

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

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

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

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

### **RECLAMATION ACTIVITIES**

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



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

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

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

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

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

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

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

### **CLOSURE REQUEST**

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



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

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

Sincerely, Ensolum, LLC

Masie Freen

Hadlie Green Project Geologist

é Cole

Aimee Cole Senior Managing Scientist

cc: Bryce Wagoner, Maverick Natural Resources

Appendices:

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





**FIGURES** 

Received by OCD: 4/17/2024 12:35:00 PM

Page 7 of 203



Received by OCD: 4/17/2024 12:35:00 PM



Released to Imaging: 5/14/2024 11:22:06 AM

Received by OCD: 4/17/2024 12:35:00 PM



Released to Imaging: 5/14/2024 11:22:06 AM



## TABLE

.

# ENSOL<sup>203</sup>

+

				E Mave	TABLE 1E ANALYTICABaish B Batteryerick Permian, LCounty, New Mex	.LC				
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 Ta	ble I Closure Cr 19.15.29)	iteria (NMAC	10	50	NE	NE	NE	1,000	2,500	10,000
				Asses	sment Soil Sam	ples				
SS01	1/9/2023	0.5	<0.201	17.7	1,820	754	<49.9	2,574	2,570	99.8
SS02	1/9/2023	0.5	<0.199	<0.398	9,810	376	<249	10,186	10,200	123
SS03	1/9/2023	0.5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	55.8
SS04	1/9/2023	0.5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	44.6
SS05	1/9/2023	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	67.7
SS06	1/9/2023	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	44.8
SS07	1/9/2023	0.5	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	48.8
SS08	1/9/2023	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	46.3
SS09	1/29/2024	0.5	<0.050	<0.300	<10.0	234	173	234	407	32.0
SS10	1/29/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SS11	1/31/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SS12	2/1/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS13	4/11/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SS14	4/11/2024	0.5	<0.050	<0.300	<10.0	61.7	32.8	61.7	95	32.0
				Delien	eation Soil Sam	nples				
PH01	1/25/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
PH01	1/25/2024	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
PH02	1/29/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
PH02	1/29/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
BH01	2/8/2024	2	<0.050	<0.300	<10.0	46.0	<10.0	46.0	46.0	144
BH01	2/8/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
BH02	2/8/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
BH02	2/8/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0

# ENSOL<sup>1</sup><sup>1</sup><sup>203</sup>

+

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

# ENSOL<sup>203</sup>

				l Ma∨	TABLE 1.E ANALYTICABaish B Batteryerick Permian, ICounty, New Me	.LC				
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 Ta	able I Closure Cr 19.15.29)	iteria (NMAC	10	50	NE	NE	NE	1,000	2,500	10,000
FS18*	1/31/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS19	1/31/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS20	1/31/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	752
FS21	1/31/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS22	1/31/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
FS23	2/1/2024	1.5	<0.050	<0.300	11.6	582	87.4	594	681	544
FS24	2/1/2024	1	<0.050	<0.300	<10.0	63.7	14.3	63.7	78.0	304
FS25	2/1/2024	1.5	<0.050	<0.300	<10.0	255	70.9	255	326	672
				Excavatio	on Sidewall Soil	Samples				
SW01*	2/27/2023	0 - 2	<0.00202	<0.00403	66.7	<50.0	<50.0	<50.0	66.7	36.7
SW02*	2/28/2023	0 - 2	<0.00199	<0.00398	64.7	<50.0	<50.0	<50.0	64.7	51.8
SW03*	3/1/2023	0 - 3	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	80.8
SW04*	3/1/2023	0 - 3	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	88.4
SW05*	2/1/2024	0 - 3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW06*	3/1/2023	0 - 4	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	42.3
SW07*	3/1/2023	0 - 4	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	69.3
SW08*	1/25/2024	0 - 4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SW09	1/30/2024	0 - 4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW10	1/30/2024	0 - 4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SW11	2/1/2024	0 - 1	<0.050	<0.300	<10.0	14.2	<10.0	14.2	14.2	336



	TABLE 1         SOIL SAMPLE ANALYTICAL RESULTS         Baish B Battery         Maverick Permian, LLC         Lea County, New Mexico												
Sample Designation													
NMOCD Ta	NMOCD Table I Closure Criteria (NMAC 19.15.29)         10         50         NE         NE         NE         1,000         2,500         10,000												
	Backfill Soil Sample												
BF01	BF01 4/10/2024 - <0.050 <0.300 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 48.0												

#### Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

NA: Not Analyzed

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics
DRO: Diesel Range Organics
ORO: Oil Range Organics
TPH: Total Petroleum Hydrocarbon
Grey text represents samples that have been excavated
\* indicates sample was collected in area to be reclaimed after remediation is complete; reclamation requirement in the top 4 feet is 600 mg/kg for chloride and 100 mg/kg for TPH.

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



# APPENDIX A

**Referenced Well Records** 





# New Mexico Office of the State Engineer **Point of Diversion Summary**

			( <b>1</b>				E 3=SW		NA	D83 UT	M in meters)	
Well Tag	POD	Number	•••				Tws		(1.1.1	X	Y	
0	RA	12521 POD1	3	3	4	21	17S	32E	61:	5127	3631271 🧲	
Driller Lic	ense:	1456	Driller	· Com	pan	y:	WH	IITE D	RILLIN	NG CO	MPANY	
Driller Na	me:	WHITE, JOHN W										
Drill Start	Date:	07/21/2017	Drill F	ìnish	Dat	e:	0′	7/26/20	017	Plu	g Date:	
Log File D	ate:	08/22/2017	PCW	Rcv D	ate:	:				Sou	irce:	Shallow
Pump Typ	e:		Pipe D	ischa	rge	Size:				Est	imated Yield	:
Casing Siz	e:	2.00	Depth	Well:			10	05 feet		Dej	oth Water:	92 feet
X	Wate	er Bearing Stratifica	tions:		То	p I	Bottom	Des	criptior	ı		
					8	35	101	San	dstone/0	Gravel/	Conglomerate	e
					10	)1	105	San	dstone/0	Gravel/	Conglomerate	e
X		Casing Perfor	ations:		То	p I	Bottom	ı				
					7	5	105	i				

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

1/23/23 2:20 PM

POINT OF DIVERSION SUMMARY

PAGE 1 OF 2



# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

UTANY ENGINEERO OFFICE BARTA FE, REW MERICO

2017 AUG 22 PM 2:55

N	ose pod no MW-24	WELL NO.	PATU	W	ELL TAG ID NO.		-	OSE FILE NO	(S).		<u></u> _
DCATIC	WELL OWN Phillips 66							PHONE (OPTI 918-914-38		<u> </u>	
WELL LO	WELL OWN 420 S Keel		Address 708-01 Phillips Bu	ilding)				CITY Bartlesville		STATE OK	ZIP 74003
GENERAL AND WELL LOCATION	WELL LOCATIO		DE	GREES 32	48	seconds 48.32	N		REQUIRED: ONE TEN	TH OF A SECOND	
NER	(FROM GF	'S) LON	IGITUDE	103	46	13.21	W	DATUM RE	QUIRED: WGS 84		
1. GE	DESCRIPTIO Maljamar (		G WELL LOCATION TO	STREET ADDRES	S AND COMMON LA	ANDMAR	KS – PLS	S (SECTION, TO	WNSHJIP, RANGE) WH	ERE AVAILABLE	-
	LICENSE NO		NAME OF LICENSED						NAME OF WELL DR	ILLING COMPANY	
1	WD-1	.456		Jol	ın W. White				l	Drilling Company, Inc	
	DRILLING S 07/21/		DRILLING ENDED 07/26/2017	DEPTH OF COMP	leted well (FT) 105.0	В	ORE HOI	LE DEPTH (FT)	DEPTH WATER FIR	ST ENCOUNTERED (FT 92.0	)
z	COMPLETE	) WELL IS:	ARTESIAN	C DRY HOLE	SHALLOW (	UNCONF	INED)		STATIC WATER LEV	TEL IN COMPLETED WI 92.0	ELL (FT)
TIO	DRILLING F	LUID:		MUD	ADDITIVES -	- SPECIF	Y:	·····	"I		
& CASING INFORMATION	DRILLING M	ETHOD:	✓ ROTARY	HAMMER	CABLE TOO	el [	OTHE	R - SPECIFY:			<u> </u>
NFO	DEPTH	(feet bgl)	BORE HOLE		TERIAL AND/O	PR.	CA	SING	CASING	CASING WALL	SLOT
NG I	FROM	ТО	DIAM	GRADE CASING (include cach casing string, and TYDE					INSIDE DIAM.	THICKNESS	SIZE
CASI			(inches)	note sec	tions of screen)		idd coupl	YPE ling dianteter)	(inches)	(inches)	(inches)
8	0.0	75.0	7 7/8		0 PVC Riser			ureads	2.0	1/4"	
2. DRILLING	75.0	105.0	7 7/8	Sch. 40	) PVC Screen		11	nreads	2.0	1/4"	.020
ILL											
DF									1	<u>}</u>	
2											
									· · · · · · · · · · · · · · · · · · ·		
										· · · ·	
			_								
	DEPTH	(feet bal)	BORE HOLE	LIST	ANNULAR SEAL	MATE	PIAT A		AMOUNT	METHO	
AL	FROM	TO	DIAM. (inches)		L PACK SIZE-RA				(cubic feet)	METHO PLACEM	
ERI.	0.0	65.0	7 7/8		Portland (	Grout			8 Bags	Pump Mix w/J	Fremmie Pi
IAT	65.0	72.0	7 7/8		Bentonite	Chips		<u> </u>	2 Bags	Hand I	
ANNULAR MATERIAL	72.0	105.0	7 7/8		8/16 Sa	and			13 Bags	Hand	 Mix
0LA								···· ···			
NN										-	
3. 2											
	]										
FOR	OSE INTER	NAL USE						WR-2	0 WELL RECORD &	& LOG (Version 06/3	0/17)
FILE		A - 1	2521		POD NO.	1		TRN 1	1	310	

LOCATION	115.32F . 21.433 WELL TAG ID NO.	

4

•

۰.

DEFIT: (cet bj)         UTICKNESS         COLOR AND TYPE OF MATERIAL ENCOUNTERED- INCLUDE WATER, BEARING CATTIES OR FRACTUREIZONES (fee)         WATER BLANNOT (TSD / NO         STEMATE DUP DO UATER. (TSD / NO           no         1.0         1.0         1         Base Calide         Y         N           no         1.0         7.6         1         Base Calide         Y         N           10.0         7.6         1         Base Calide         Y         N         -           10.0         7.6         10.0         Reddit bows stays and/andatose         Y         N         -           10.0         18.0         8.0         16.0         Reddit bows stays and/andatose         Y         N         -           10.0         18.0         16.0         Reddit bows stays and/andatose         Y         N         -           10.0         18.0         16.0         Reddit bows stays and/andatose         Y         N         -           10.0         17.0         Papite hows stays and/andatose         Y         N         -           10.0         05.0         16.0         Genergits windows ftays and/andatose         Y         N         -           10.0         05.0         14.0         Genergits windows ftays and/and				-		· · · · · · · · · · · · · · · · · · ·			-		
10         20         6         Brown Sand         Y         Y         N           10.0         18.0         3         Reddish brown soldsmadsame         Y         Y         N           10.0         18.0         8.0         Light from sondsmadsame         Y         Y         N           10.0         18.0         8.0         Light from sondsmadsame         Y         N         N           34.0         40.0         6.0         Dark reddish brown sondsmadsame         Y         N         N         N           34.0         40.0         6.0         Dark reddish brown sondsmadsame         Y         N         N         N           34.0         40.0         6.0         Dark reddish brown sondsmadsame         Y         N         N         N           44.0         53.0         10.0         Light brown sondsmadsame         Y         N         N         N         N           70.0         85.0         15.0         Light brown sondsmadsame         Y         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N					INCLUDE WATH	ER-BEARING CAVITIES O	R FRACTURE ZO	NES	BEARI	NG?	YIELD FOR WATER- BEARING
10         70         6         Brown Sand         Y         N           70         100         3         Keddish brows and/sandtone         Y         N           10.0         18.0         8.0         Light brows and/sandtone         Y         N           34.0         16.0         Roddish brows and/sandtone         Y         N           42.0         49.0         7.0         Reddish brows and/sandtone         Y         N           42.0         49.0         10.0         16.0         Greenish gary and/sandtone         Y         N           70.0         85.0         110.0         16.0         Green gry sity anddone bang @ 86'         Y         N           101.0         103.0         4.0         Greey sity anddone bang @ 86'         Y         N           101.0         103.0         4.0         Greey sity anddone bang @ 86'         Y         N           101.0         103.0         4.0         Greey sity an		0.0	1.0	1		Base Caliche			Y	√ N	
100         18.0         8.0         Tight brown subfamatone         Y         N           18.0         34.0         16.0         Reddish brown and/sandstone         Y         N           34.0         40.0         6.0         Dnrk reddish brown and/sandstone         Y         N           34.0         40.0         6.0         Dnrk reddish brown ality state         Y         N           40.0         42.0         2.0         Reddish brown ality state         Y         N           42.0         49.0         7.0         Reddish brown ality state         Y         N           43.0         40.0         Greenish gray and/sandstone         Y         N         N           53.0         15.0         Eight brown sully state         Y         N         N           70.0         85.0         101.0         16.0         Greening gray sily sandstone/baile         Y         N           10.1         105.0         4.0         Greening gray sily sandstone/baile         Y         N         N           10.1         105.0         4.0         Greening gray sily sandstone/baile         Y         N         N           10.1         105.0         4.0         Greenis gray sily sandstone/baile		1.0	7.0	6	····	Brown Sand			Y		
100         18.0         8.0         Tight brown subfamatone         Y         N           18.0         34.0         16.0         Reddish brown and/sandstone         Y         N           34.0         40.0         6.0         Dnrk reddish brown and/sandstone         Y         N           34.0         40.0         6.0         Dnrk reddish brown ality state         Y         N           40.0         42.0         2.0         Reddish brown ality state         Y         N           42.0         49.0         7.0         Reddish brown ality state         Y         N           43.0         40.0         Greenish gray and/sandstone         Y         N         N           53.0         15.0         Eight brown sully state         Y         N         N           70.0         85.0         101.0         16.0         Greening gray sily sandstone/baile         Y         N           10.1         105.0         4.0         Greening gray sily sandstone/baile         Y         N         N           10.1         105.0         4.0         Greening gray sily sandstone/baile         Y         N         N           10.1         105.0         4.0         Greenis gray sily sandstone/baile		7.0	10.0	3		Reddish brown clavev sa	nd		Y	✓ N	
18.0         34.0         16.0         Reddish brown and/standatone         Y         N           34.0         40.0         6.0         Dark reddish brown and/standatone         Y         N           34.0         40.0         6.0         Dark reddish brown and/standatone         Y         N           40.0         42.0         2.0         Reddish brown and/standatone         Y         N           40.0         49.0         53.0         4.0         Greenish gavy anad/standatone         Y         N           49.0         53.0         4.0         Green and standatona         Y         N         N           70.0         85.0         15.0         Light borows and/standatone         Y         N         N           101.0         105.0         4.0         Green arey sitys and/standatone         Y         N         N         N           101.0         105.0         4.0         Green arey sitys and/standatone         Y         N         N         N           101.0         105.0         4.0         Green arey sitys and/standatone         Y         N         N         N         N         N         N         N         N         N         N         N         N <t< td=""><td></td><td>10.0</td><td>18.0</td><td>8.0</td><td></td><td></td><td></td><td></td><td>Y</td><td></td><td></td></t<>		10.0	18.0	8.0					Y		
Model         42.0         2.0         Reddish brown and brown sindstone         Y         N           42.0         49.0         7.0         Reddish brown ailty stale         Y         N           43.0         53.0         17.0         Purple brown sitty stale         Y         N           53.0         70.0         17.0         Purple brown sitty stale         Y         N           70.0         85.0         101.0         16.0         Green gray sitty standstone         Y         N           85.0         101.0         16.0         Green gray sitty standstone bang @ 8.0         Y         N           101.0         105.0         4.0         Green gray sitty standstone bang @ 8.0         Y         N           101.0         105.0         4.0         Green gray sitty standstone bang @ 8.0         Y         N           101.0         105.0         4.0         Green gray sitty standstone bang @ 8.0         Y         N           101.0         105.0         4.0         Green gray sitty standstone bang @ 8.0         Y         N           101.0         105.0         4.0         Green gray sitty standstone bang @ 8.0         Y         N           101.0         101.0         10.0         Y		18.0	34.0	16.0					Y	√ N	
Model         42.0         2.0         Reddish brown and brown sendstone         Y         V         N           40.0         42.0         2.0         Reddish brown ailty shale         Y         V         N           43.0         53.0         4.0         Greenial gay and/sandstone         Y         V         N           53.0         70.0         85.0         15.0         Light brown subty sandstone         Y         V         N           70.0         85.0         10.0         16.0         Greening gay sind stone         Damp @ 86'         Y         N           10.0         105.0         4.0         Greening gay sind stone/shale         Y         N         N           10.1         105.0         4.0         Greening gay sind stone/shale         Y         N         N           10.1         105.0         4.0         Greening gay sind stone/shale         Y         N         N           10.1         10.5         4.0         Greening gay sind stone/shale         Y         N         N           10.1         10.5         4.0         Greening gay sind stone/shale         Y         N         N           10.1         10.1         10.0         Greening gay sind stone/shale	r	34.0	40.0	6.0	Dark 1	eddish brown silty shale HC	C odor @ 39'		Y	✓ N	
Image: Second	VEL	40.0	42.0		Y	<b>√</b> N					
Image: Second	OF V	42.0	49.0	7.0		Reddish brown silty sha	le		Y	√N	
Image: Second	0C	49.0	53.0	4.0		Greenish gray sand/sandst	tone		Y	<b>√</b> N	
Image: Second	ICL	53.0	70.0	17.0					Y		
Image: Second	LOG	70.0	85.0	15.0		Light brown sand/sandsto	one		Y	<b>√</b> N	
Image: Second	EOI	85.0	101.0	16.0	Gr	een gray silty sandstone Dan	np @ 86'		√ Y	N	
Image: Second	ROC	101.0	105.0	4.0		Gray silty sandstone/sha	le		√ Y	N	
Image: Second	ПХD								Y	N	
Y       N         Y       N       N	4.1		······································			·			Y	N	
Y       N         Y						······································			Y	N	
Y       N         WETHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:       TOTAL ESTIMATED         PUMP       AIR LIFT       BAILER       OTHER - SPECIFY:       TOTAL ESTIMATED         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.       0.00         MISCELLANEOUS INFORMATION:       Hydrocarbon present in soil       William B. Atkins         THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORBECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE REMATH OLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:         FOR OSE INTERNAL USE       WR-20 WELL RECORD & LOG (Version 06/30/2017)         FUENCE       WR-20 WELL RECORD & LOG (Version 06/30/2017)         FUENCE       WR-20 WELL RECORD & LOG (Version 06/30/2017)									Y	N	
Y       N         METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:       TOTAL ESTIMATE J         PUMP       AIR LIFT       BAILER       OTHER – SPECIFY:         WELL YIELD (gpm):       0.00         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         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         THE UNDERSIONED 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 RERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:         FOR OSE INTERNAL USE       WR-20 WELL RECORD & LOG (Version 06/30/2017)         FILE NO.       POD NO.       TRN NO.			· · · · · · · · · · · · · · · · · · ·						Y	N	
Y N         METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:       TOTAL ESTIMATED         PUMP       AIR LIFT       BAILER       OTHER - SPECIFY:       WELL YIELD (gpm):       0.00         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         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         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 PRIMIT HOLDER WITHIN 30 DAYS AFFER COMPLETION OF WELL DRILLING:         FOR OSE INTERNAL USE       WR-20 WELL RECORD & LOG (Version 06/30/2017)         FILE NO.       POD NO.       TRN NO.									Y	N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:       TOTAL ESTIMATED         PUMP       AIR LIFT       BAILER       OTHER - SPECIFY:       WELL YIELD (gpm):       0.00         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:         MISCELLANEOUS INFORMATION:       Hydrocarbon present in soil       Image: Comparison of Well Construction of Her Than LICENSEE:         William B. Atkins       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 FLE THIS WELL RECORD WITH THE STATE ENGINEER AND THE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL						• <u>.</u>			Y	N	
WELL YIELD (gpm):       0.00         WELL YIELD (gpm):       0.00         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         THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND COMPLET RECORD OF THE-ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:         BOOM       SIGNATURE OF DRILLER / PRINT SIGNEE NAME         FOR OSE INTERNAL USE       WR-20 WELL RECORD & LOG (Version 06/30/2017).         FILE NO.       POD NO.       TRN NO.									Y	N	
Image: Start time in the start of the s		METHOD U	SED TO ES	TIMATE YIELD	OF WATER-BEARIN	G STRATA:		ТОТ	AL ESTIM	ATED	
WELL TEST       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         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:         Stanture of DRILLER / PRINT SIGNEE NAME       8/8/2017         FOR OSE INTERNAL USE       WR-20 WELL RECORD & LOG (Version 06/30/2017)         FILE NO.       POD NO.       TRN NO.	:	<b>PUM</b>		IR LIFT	BAILER 01	THER - SPECIFY:		WE	LL YIELD	(gpm):	0.00
''       William B. Atkins         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         FOR OSE INTERNAL USE       WR-20 WELL RECORD & LOG (Version 06/30/2017)         FILE NO.       POD NO.       TRN NO.		WELL TES									
''       William B. Atkins         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         FOR OSE INTERNAL USE       WR-20 WELL RECORD & LOG (Version 06/30/2017)         FILE NO.       POD NO.       TRN NO.	SION	·· ·-· ·				<u> </u>	ID DRAWDOWN (	OVER TH	E TESTING	J PERIO	D.
''       William B. Atkins         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         FOR OSE INTERNAL USE       WR-20 WELL RECORD & LOG (Version 06/30/2017)         FILE NO.       POD NO.       TRN NO.	RVI	MISCELLAI	NEOUS INF	ORMATION: Hy	drocarbon present in	soil					
''       William B. Atkins         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         FOR OSE INTERNAL USE       WR-20 WELL RECORD & LOG (Version 06/30/2017)         FILE NO.       POD NO.       TRN NO.	UPE										
''       William B. Atkins         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         FOR OSE INTERNAL USE       WR-20 WELL RECORD & LOG (Version 06/30/2017)         FILE NO.       POD NO.       TRN NO.	IG S										
''       William B. Atkins         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         FOR OSE INTERNAL USE       WR-20 WELL RECORD & LOG (Version 06/30/2017)         FILE NO.       POD NO.       TRN NO.	T; R										
William B. Atkins         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         FOR OSE INTERNAL USE         WR-20 WELL RECORD & LOG (Version 06/30/2017)         FILE NO.       POD NO.	TES	PRINT NAM	(E(S) OF DE	RILL RIG SUPER	VISOR(S) THAT PRO	VIDED ONSITE SUPERVI	SION OF WELL C	ONSTRU	CTION OT	HER TH	AN LICENSEE:
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 DATE FOR OSE INTERNAL USE FOR OSE INTERNAL USE VR-20 WELL RECORD & LOG (Version 06/30/2017) FILE NO. POD NO. TRN NO.	ъ,	William B. A	Atkins								
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 DATE FOR OSE INTERNAL USE FOR OSE INTERNAL USE VR-20 WELL RECORD & LOG (Version 06/30/2017) FILE NO. POD NO. TRN NO.											
G     SIGNATURE OF DRILLER / PRINT SIGNEE NAME     DATE       FOR OSE INTERNAL USE     WR-20 WELL RECORD & LOG (Version 06/30/2017)       FILE NO.     POD NO.     TRN NO.	SE	CORRECT I	RECORD OF	F THE ABOVE D	ESCRIBED HOLE AN	ID THAT HE OR SHE WIL	L FILE THIS WEL	ELIEF, I L RECOI	HE FOREC	FOING IS	S A TRUE AND TE ENGINEER
G     SIGNATURE OF DRILLER / PRINT SIGNEE NAME     DATE       FOR OSE INTERNAL USE     WR-20 WELL RECORD & LOG (Version 06/30/2017)       FILE NO.     POD NO.     TRN NO.	m	AND THE A	ERMIT HO	LEER WITHIN 3	0 DAYS AFTER COM	PLETION OF WELL DRIL	LING:				
G     SIGNATURE OF DRILLER / PRINT SIGNEE NAME     DATE       FOR OSE INTERNAL USE     WR-20 WELL RECORD & LOG (Version 06/30/2017)       FILE NO.     POD NO.     TRN NO.	GINA								8/8/2	017	
FOR OSE INTERNAL USE     WR-20 WELL RECORD & LOG (Version 06/30/2017)       FILE NO.     POD NO.       TRN NO.			A/2	>							
FILE NO. POD NO. TRN NO.		/	SIGNAT	URE OF DRILLE	R / PRINT SIGNEE	NAME			1	DATE	
FILE NO. POD NO. TRN NO.	FOF	OSE INTERI	NAL USE				WR-20 V	VELL RF	CORD & L	.0G (Ver	sion 06/30/2017)
LOCATION WELL TAG ID NO. PAGE 2 OF 2					· · · ·	POD NO.				<u></u>	
	LOC	CATION					WELL TAG ID N	0			PAGE 2 OF 2



## APPENDIX B

Photographic Log

Released to Imaging: 5/14/2024 11:22:06 AM









## APPENDIX C

Lithologic Soil Sampling Logs

	_							Sample Name: PH01	Date: 1/25/24
				C					
				2		. U		Site Name: Baish B Battery Incident Number: NAPP22353729	941
								Job Number: 03E2057054	
	L	ITHOLO	GIC	/ SOIL SA	AMPLING	LOG		Logged By: Ronni Hayes	Method: Hand auger
Coordinat								Hole Diameter: ~3"	Total Depth: 5 ft bgs
					HACH Chlo	ride Test Str	ips and PI	D for chloride and vapor, respective	
with 1:4 d	lilution fa	actor of s	oil to	distilled w	ater. 40% co	prrection fac	tor includ	ed.	
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	scriptions
					1	0			
Moist	~1EC 0	0.1	N		-	0.5	C14/ CN4	SAND loose light to mad brow	up uf mod grain
WOISt	<120.0	0.1	IN		_	0.5	300-3101	SAND, loose, light to med brown nonplastic, noncohesive, unifo	
Moist	<156.8	0.2	Ν	PH01	1	1	SAA	SAA	
					-	-			
					_	-			
Moist	<156.8	0.0	Ν		_	2	SAA	SAA	
					-	-			
Maist	-1FC 0	0.1	N		-	- 3	644	SAA	
Moist	\$.0C1>	0.1	Ν		_	_ 3	SAA	SAA	
					_	-			
Moist	<156.8	0.3	Ν		-	- 4	SAA	SAA	
					-	-			
					-	-			
Moist	<156.8	0.0	Ν	PH01	5	5	SW-SC	SAND-CLAY MIX, transition, light	red to tan, loose, gradational
					_	_		to gray clay, cohesive, poorly sort	ted, vf-coarse grain
						_		TD at 5 ft bgs	
					-	-	•	•	
				_					
						$\overline{}$			
								$\overline{}$	

								Sample Name: PH02	Date: 1/29/24			
				C			R A	Site Name: Baish B Battery				
			N	3	OL			Incident Number: NAPP223537	72941			
								Job Number: 03E2057054				
	L	ITHOLO	GIC	/ SOIL S	AMPLING	LOG		Logged By: Ronni Hayes	Method: Hand auger			
Coordina	ites: 32.8	173554, -	103.7	7546712				Hole Diameter: ~3"	Total Depth: 4 ft bgs			
					HACH Chlor ater. 40% co			for chloride and vapor, respected.	tively. Chloride test performed			
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic I	Descriptions			
					1	0						
Moist	<156.8	0.4	N		-	0.5	SW-SM	SAND, loose, light to med b	rown, vf-med grain			
WICHSt	150.0	0.4			_	_ 0.5	500 500	nonplastic, noncohesive, ur				
Moist	<156.8	0.2	Ν	PH02	1 _	_ 1	SAA	SAA	, ,			
					-	-						
Moist	<156.8	0.1	N		-	2	SAA	SAA				
worst	<120.0	0.1			_		SAA	SAA				
					_	- -						
Moist	<156.8	0.2	Ν		-	3	SAA	SAA				
					-	-						
						-						
Moist	<156.8	0.0	Ν	PH02	4	_ 4	SAA	SAA, color change to ligh	t brown			
					-	-		TD at 4 ft bgs				
$\sim$	•		•		• -		•	_				
				$\sim$								
					$\searrow$							
						$\overline{}$						
								$\searrow$				
								$\sim$				
								$\sim$	<			
									$\searrow$			
									$\sim$			
									$\sim$			

								Sample Name: BH01	Date: 02/08/2024
			NI	C	ΟΙ		RЛ	Site Name: Baish B Batery	
				3				Incident Number: nAPP22353729	941
								Job Number: 03E2057054	
		LITHOL	OGI	C / SOIL S	SAMPLING	LOG		Logged By: Chad Hamilton	Method: Hand Auger
Coord	linates:							Hole Diameter: 3"	Total Depth: 3'
			-					PetroFLG for chloride and TPH, re factors included.	spectively. Chloride test
Moisture Content	Chloride (ppm)	(mqq) H9T	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	escriptions
					1 - - -				
D	<168	275	N	BH01	2	2	SW-SC	Sand, Loose, Red in color size, non-plastic, dry, no uniform,	oncohesive, massive,
D	168		N	BH01	3	3 	SW-SC	Sand, Loose, Red in color size, non-plastic, dry, no uniform,	oncohesive, massive,

								Sample Name: BH02	Date: 02/09/2024
				C		LU	R A	Site Name: Baish B Batery	
				3				Incident Number: nAPP2235372	941
								Job Number: 03E2057054	
		LITHOL	.OGI	C / SOIL S	SAMPLING	G LOG		Logged By: Chad Hamilton	Method: Hand Auger
Coord	inates:							Hole Diameter: 3"	Total Depth: 4'
								PetroFLAG for chloride and TPH, factors included.	respectively. Chloride test
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic D	escriptions
					1 - -				
					-	1			
D	<168	17	N	BH02	2	2	SW-SC	Sand, Loose, Red in color, me plastic, dry, noncohesive, r	-
М	<168		N	BH02	3	3	SW-SC	Sand with some clay, medium c color, medium to very fine gr noncohesive, massive, unifi	ain size, non-plastic, moist,
М	<168			BH02	4	4 	SW-SC	Sand with some clay, medium medium to very fine grain size, massive, unifo	density, mix of grey in color, low plastic, moist, cohesive,
						Total De	epth @ 4	tt bgs.	



## APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation



**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

E . Marier Si J, Texas /25/2023 3 **SCRIF** Baish B \_ea Cou

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

See page two for job notes and contact information.



5 6 Received by OCD: 4/17/2024 12:35:00 PM

### **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

RAMER

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

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

Eurofins Carlsbad is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

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

Page 33 of 203

	Definitions/Glossary	
Client: Ensolum Project/Site: Ba		2
Qualifiers		3
GC VOA		
Qualifier	Qualifier Description	
U	Indicates the analyte was analyzed for but not detected.	
GC Semi VOA		5
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.	8
U	Indicates the analyte was analyzed for but not detected.	
Glossary		9
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)	44
Dil Fac	Dilution Factor	1:
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

Eurofins Carlsbad

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

### Job ID: 890-3806-1

Project/Site: Baish B Battery

Client: Ensolum

### 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.

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

Result Qualifier

<0.201 U

### **Client Sample Results**

RL

0.201

Unit

mg/Kg

D

Prepared

01/13/23 08:16

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

### **Client Sample ID: SS01**

Project/Site: Baish B Battery

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

Sample Depth: 0.5

Client: Ensolum

Analyte

Benzene

### Lab Sample ID: 890-3806-1

Analyzed

01/14/23 10:55

Matrix: Solid

Dil Fac

100

5

Delizene	-0.201	0	0.201	ing/itg		01/10/20 00.10	01/14/20 10:00	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)			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 Calo	culation						
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 - Dies	el Range Organ	ics (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 - Die	sel Range Orga	nics (DRO)	(6C)					
Analyte		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	s, Ion Chromato	ography - S	oluble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	99.8		4.99	mg/Kg			01/14/23 09:10	1
								3806-3
Client Sample ID: SS02						Lab San	nple ID: 890-	3000-2
Client Sample ID: SS02 Date Collected: 01/09/23 13:50						Lab San		
						Lab Sar		x: Solid

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**

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

### **Client Sample ID: SS02**

Project/Site: Baish B Battery

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

Sample Depth: 0.5

Client: Ensolum

# Lab Sample ID: 890-3806-2

rrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Difluorobenzene (Surr)	111		70 - 130			01/13/23 08:16	01/14/23 11:16	10
ethod: TAL SOP Total BTEX -	Total BTEX Calo	ulation						
alyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
tal BTEX	<0.398	U	0.398	mg/Kg			01/25/23 16:06	
ethod: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (	GC)					
alyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
tal TPH	10200		249	mg/Kg			01/16/23 16:39	
ethod: SW846 8015B NM - Die	sel Range Orga	nics (DRO)	(GC)					
alyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
isoline Range Organics RO)-C6-C10	376		249	mg/Kg		01/13/23 08:39	01/16/23 03:17	Ę
esel Range Organics (Over 0-C28)	9810		249	mg/Kg		01/13/23 08:39	01/16/23 03:17	Ę
Range Organics (Over C28-C36)	<249	U	249	mg/Kg		01/13/23 08:39	01/16/23 03:17	:
rrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
Chlorooctane	73		70 - 130			01/13/23 08:39	01/16/23 03:17	
Terphenyl	224	S1+	70 - 130			01/13/23 08:39	01/16/23 03:17	ł
ethod: MCAWW 300.0 - Anions	s, Ion Chromato	graphy - So	oluble					
alyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
lloride	123		5.01	mg/Kg			01/14/23 09:16	
ent Sample ID: SS03						Lab San	nple ID: 890-	3806-3

Sample Depth: 0.5

Method: SW846 8021B - Volat	ile Organic Comp	ounds (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 Cald	culation						
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 - Die	esel Range Organ	ics (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

Matrix: Solid

5
Job ID: 890-3806-1 SDG: Lea County NM

Matrix: Solid

Lab Sample ID: 890-3806-3

Lab Sample ID: 890-3806-4

## **Client Sample ID: SS03**

Project/Site: Baish B Battery

Date Collected: 01/09/23 12:45 Date Received: 01/10/23 09:05

Sample Depth: 0.5

Client: Ensolum

Method: SW846 8015B NM - Dies	el Range Orga	inics (DRO)	(GC)				
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		01/13/23 08:39	01/15/23 22:16
(GRO)-C6-C10							
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		01/13/23 08:39	01/15/23 22:16
C10-C28)							
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/13/23 08:39	01/15/23 22:16
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed
1-Chlorooctane	95		70 - 130			01/13/23 08:39	01/15/23 22:16
o-Terphenyl	98		70 - 130			01/13/23 08:39	01/15/23 22:16

### 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**

## Date Collected: 01/09/23 12:50

## Date Received: 01/10/23 09:05

Samp	le C	)ept	th:	0.5

Method: SW846 8021B - Volatile	<b>Organic Comp</b>	ounds (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 - 1	Total BTEX Cal	culation						
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 - Diese	el Range Organ	ics (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	<50.0	U	50.0	mg/Kg		01/13/23 08:39	01/15/23 22:37	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		01/13/23 08:39	01/15/23 22:37	1
C10-C28)								
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

Eurofins Carlsbad

1

1

1

1

Matrix: Solid

Released to Imaging: 5/14/2024 11:22:06 AM

		Client	Sample Res	sults					
Client: Ensolum Project/Site: Baish B Battery							Job ID: 890 SDG: Lea Cor		2
Client Sample ID: SS04 Date Collected: 01/09/23 12:50						Lab Sa	mple ID: 890- Matri	-3806-4 ix: Solid	
Date Received: 01/10/23 09:05 Sample Depth: 0.5									
Method: MCAWW 300.0 - Anions,				11:4	- -	Ducusard	Analyzed		5
Analyte Chloride	44.6	Qualifier	4.98	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 01/14/23 09:28	Dil Fac	
_									
									8
									9
									13

Eurofins Carlsbad

### Method: 8021B - Volatile Organic Compounds (GC) Matrix: Solid

				Percent Surrogate Rec
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-3806-1		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	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

watri	x: 5	olia

				Percent Surrogate Recove
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(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+	

1CO = 1-Chlorooctane OTPH = o-Terphenyl 5 6 7

Prep Type: Total/NA

Prep Type: Total/NA

Client: Ensolum

Project/Site: Baish B Battery

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

Lab Sample ID: MB 880-43747	7/ <b>5-A</b>								Client Sa	mple ID: Meth	od Blank
Matrix: Solid										Prep Type:	Total/NA
Analysis Batch: 43877										Prep Bato	h: 43747
	ME	B MB									
Analyte	Resul	t Qualifier	RL	-	Unit		D	Р	repared	Analyzed	Dil Fac
Benzene	<0.00200	D U	0.00200	)	mg/K	g	_	01/1	1/23 13:33	01/13/23 16:30	1
Toluene	<0.00200	) U	0.00200	)	mg/K	g		01/1	1/23 13:33	01/13/23 16:30	1
Ethylbenzene	<0.00200	) U	0.00200	)	mg/K	g		01/1	1/23 13:33	01/13/23 16:30	1
m-Xylene & p-Xylene	<0.00400	) U	0.00400	)	mg/K	g		01/1	1/23 13:33	01/13/23 16:30	1
o-Xylene	<0.00200	) U	0.00200	)	mg/K	g		01/1	1/23 13:33	01/13/23 16:30	1
Xylenes, Total	<0.00400	) U	0.00400	)	mg/K	g		01/1	1/23 13:33	01/13/23 16:30	1
	МЕ	3 MB									
Surrogate	%Recovery		Limits						repared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130	-					1/23 13:33	01/13/23 16:30	1
1,4-Difluorobenzene (Surr)	8		70 - 130 70 - 130						1/23 13:33	01/13/23 16:30	1
	00	5	70 - 730					01/1	1/25 15.55	01/13/23 10:30	1
Lab Sample ID: MB 880-43868	3/ <b>5-A</b>								<b>Client Sa</b>	mple ID: Meth	od Blank
Matrix: Solid										Prep Type:	Total/NA
Analysis Batch: 43877										Prep Bato	h: 43868
-	ME	B MB									
Analyte	Resul	t Qualifier	RL		Unit		D	Р	repared	Analyzed	Dil Fac
Benzene	<0.00200	) U	0.00200	)	mg/K	g	_	01/1	3/23 08:16	01/14/23 03:14	1
Toluene	<0.00200	) U	0.00200	)	mg/K	g		01/1	3/23 08:16	01/14/23 03:14	1
Ethylbenzene	<0.00200	) U	0.00200	)	mg/K	-		01/1	3/23 08:16	01/14/23 03:14	1
m-Xylene & p-Xylene	<0.00400		0.00400	 )	mg/K				3/23 08:16	01/14/23 03:14	1
o-Xylene	<0.00200		0.00200		mg/K				3/23 08:16	01/14/23 03:14	1
Xylenes, Total	<0.00400		0.00400		mg/K	-			3/23 08:16	01/14/23 03:14	1
	0.00100		0.00100			9		• ., .	0,20 00.10	0.00.0000000000000000000000000000000000	
-	ME										
Surrogate	%Recovery		Limits	-					Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130						3/23 08:16	01/14/23 03:14	1
1,4-Difluorobenzene (Surr)	90	)	70 - 130					01/1	3/23 08:16	01/14/23 03:14	1
Lab Sample ID: LCS 880-4386	68/1-A						С	lient	Sample	ID: Lab Contro	I Sample
Matrix: Solid										Prep Type:	
Analysis Batch: 43877										Prep Bato	
			Spike	LCS	LCS					• %Rec	
Analyte			Added	Result	Qualifier	Unit		D	%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	0.1000		mg/Kg			104	70 - 130	
			0.100	0.1010							
•	LCS LC										
Surrogate	%Recovery Qu	alifier	Limits								
4-Bromofluorobenzene (Surr)	100		70 - 130								
1,4-Difluorobenzene (Surr)	95		70 - 130								
Lab Sample ID: LCSD 880-438	368/2-A					CI	ient	Sam	nnle ID <sup>.</sup> I	ab Control Sar	nnle Dun
Matrix: Solid							it	Jui		Prep Type:	
Analysis Batch: 43877										Prep Bate	
Analysis Datell. 43077			Spike		LCSD					%Rec	RPD
Analyte			Added		Qualifier	Unit		D	%Rec	Limits RF	
Analyte			Auueu	Result	Qualifier	Unit			%Rec		

5

7

Eurofins Carlsbad

0

35

Benzene

0.1034

mg/Kg

103

70 - 130

0.100

Job ID: 890-3806-1

SDG: Lea County NM

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

Lab Sample ID: LCSD 880-4	3868/2-A					Clier	nt Sam	ple ID:	Lab Contro	I Sampl	e Dup
Matrix: Solid									Prep 1	ype: To	tal/NA
Analysis Batch: 43877									Prep	Batch:	43868
			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limi
Toluene			0.100	0.09614		mg/Kg		96	70 - 130	0	3
Ethylbenzene			0.100	0.1036		mg/Kg		104	70 - 130	4	3
m-Xylene & p-Xylene			0.200	0.1896		mg/Kg		95	70 - 130	5	3
o-Xylene			0.100	0.09875		mg/Kg		99	70 - 130	5	3
	LCSD	LCSD									
Surrogate	%Recovery		Limits								
4-Bromofluorobenzene (Surr)	95		70 - 130								
1,4-Difluorobenzene (Surr)	96		70 - 130								
Lab Cample ID: 000 0040 A	4 0 40							Oliont	O amonta ID		0
Lab Sample ID: 890-3819-A	-1-0 105							Client	Sample ID		-
Matrix: Solid										ype: To	
Analysis Batch: 43877	<b>0</b>	Comm!-	0		ме					Batch:	4386
		Sample	Spike		MS		_	~·-	%Rec		
Analyte		Qualifier	Added		Qualifier	Unit	D	%Rec	Limits		
Benzene	< 0.00201		0.0998	0.1043		mg/Kg		105	70 - 130		
Toluene	< 0.00201		0.0998	0.09540		mg/Kg		96	70 - 130		
Ethylbenzene	< 0.00201		0.0998	0.1017		mg/Kg		102	70 - 130		
m-Xylene & p-Xylene	< 0.00402		0.200	0.1879		mg/Kg		94	70 - 130		
o-Xylene	<0.00201	U	0.0998	0.09643		mg/Kg		97	70 - 130		
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	95		70 - 130								
1,4-Difluorobenzene (Surr)	100		70 - 130								
Lab Sample ID: 890-3819-A	-1-E MSD					CI	ient Sa	ample IC	): Matrix Sp	oike Dup	olicat
Matrix: Solid										· ype: To	
Analysis Batch: 43877										Batch:	
	Sample	Sample	Spike	MSD	MSD				%Rec		RPI
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limi
Benzene	<0.00201	U	0.101	0.08686		mg/Kg		86	70 - 130	18	3
Toluene	<0.00201	U	0.101	0.08178		mg/Kg		81	70 - 130	15	3
Ethylbenzene	<0.00201	U	0.101	0.09122		mg/Kg		90	70 - 130	11	3
m-Xylene & p-Xylene	<0.00402	U	0.202	0.1709		mg/Kg		85	70 - 130	9	3
	<0.00201	U	0.101	0.08906		mg/Kg		88	70 - 130	8	3
o-Xylene											
o-Xylene	MSD	MSD									
	MSD %Recovery		Limits								
o-Xylene Surrogate 4-Bromofluorobenzene (Surr)			Limits								

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

Lab Sample ID: MB 880-43869/1-A Matrix: Solid Analysis Batch: 43945						Client Sa	mple ID: Metho Prep Type: <sup>-</sup> Prep Batcl	Total/NA
	МВ	МВ						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		01/13/23 08:39	01/15/23 19:47	1
(GRO)-C6-C10								

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

Lab Sample ID: MB 880-4386	69/1-A										<b>Client Sa</b>	ample ID: M	<b>Netho</b>	d Blank
Matrix: Solid												Prep T	ype: T	otal/NA
Analysis Batch: 43945														: 43869
		мв	МВ											
Analyte	Re		Qualifier	RL		ı	Unit		D	Pi	repared	Analyze	əd	Dil Fac
Diesel Range Organics (Over		50.0	U	50.0			mg/Kg		_		3/23 08:39	01/15/23 1		1
C10-C28)														
Oll Range Organics (Over C28-C36)	<	50.0	U	50.0		r	mg/Kg			01/1:	3/23 08:39	01/15/23 1	9:47	1
		MВ	MB											
Surrogate	%Reco	very	Qualifier	Limits						Pi	repared	Analyz	ed	Dil Fac
1-Chlorooctane		158	S1+	70 - 130						01/1	3/23 08:39	01/15/23	19:47	1
o-Terphenyl		167	S1+	70 - 130						01/1	3/23 08:39	01/15/23 1	19:47	1
Lab Sample ID: LCS 880-438	69/2-A								С	lient	Sample	ID: Lab Co	ontrol	Sample
Matrix: Solid												Prep T		
Analysis Batch: 43945														: 43869
				Spike	LCS	LCS						%Rec		
Analyte				Added	Result		ier	Unit		D	%Rec	Limits		
Gasoline Range Organics				1000	850.0			mg/Kg		_	85	70 - 130		
(GRO)-C6-C10								3						
Diesel Range Organics (Over C10-C28)				1000	958.3			mg/Kg			96	70 - 130		
	LCS	LCS												
Surrogate	%Recovery	Qua	lifier	Limits										
1-Chlorooctane	113			70 - 130										
o-Terphenyl	105			70 - 130										
Matrix: Solid Analysis Batch: 43945				Spike	LCSD	LCSD								otal/NA : 43869 RPD
Analyte				Added		Qualif		Unit		D	%Rec	Limits	RPD	
Gasoline Range Organics				1000	969.8	duum		mg/Kg		_	97	70 - 130	13	
(GRO)-C6-C10														
Diesel Range Organics (Over C10-C28)				1000	903.3			mg/Kg			90	70 - 130	6	20
	LCSD	LCS	D											
Surrogate	%Recovery			Limits										
1-Chlorooctane	116			70 - 130										
o-Terphenyl	108			70 - 130										
											0			
Lab Sample ID: 890-3792-A-											Client	Sample ID:		
Matrix: Solid												Prep T		
Analysis Batch: 43945	0	<b>6</b>		Calify		ме							Datch	: 43869
Analuta	Sample			Spike		MS		l lusit		-	0/ Dc -	%Rec		
Analyte	_ Result	-	er	Added		Qualif	ier	Unit		<u>D</u>	%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		
	MS	мs												
Surrogate		Qua	lifier	Limits										
1-Chlorooctane	81			70 - 130										
	01													

81

o-Terphenyl

70 - 130

Client: Ensolum

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

Project/Site: Baish B Battery Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 890-3792-A- Matrix: Solid							Silent S	ampie iL	D: Matrix Sp Prep T	уре: То	
Analysis Batch: 43945										Batch:	
	Sample	Sample	Spike	MSD	MSD				%Rec		RP
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Lim
Gasoline Range Organics	<49.9		997	959.7		mg/Kg		93	70 - 130	7	2
(GRO)-C6-C10											
Diesel Range Organics (Over	<49.9	U	997	917.4		mg/Kg		89	70 - 130	2	2
C10-C28)											
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	97		70 - 130								
o-Terphenyl	82		70 - 130								
lethod: 300.0 - Anions, Lab Sample ID: MB 880-4379 Matrix: Solid		ography						Client S	Sample ID: I Prep <sup>-</sup>	Method Type: S	
Analysis Batch: 43930											
		MB MB									
Analyte	R/	esult Qualifier		RL	Unit		D P	repared	Analyze	ed	Dil F
Chloride	<	5.00 U		5.00	mg/K	9			01/14/23 0	06:23	
Analysis Batch: 43930			Spike		LCS	11 14		0/ D	%Rec		
Analyte			Added 250	271.6	Qualifier	Unit mg/Kg	<u>D</u>	%Rec	Limits		
hloride									QA 11A		
Chloride			200	271.0		iiig/itg		109	90 - 110		
	791/3-A		200	271.0		ilig/Kg	Client		90 - 110 e ID: Lab Co	ontrol S	amp
Lab Sample ID: LCS 880-437	791/3-A		200	211.0		ing/Kg	Client		e ID: Lab Co	ontrol S Type: S	
Lab Sample ID: LCS 880-437 Matrix: Solid	791/3-A		200	211.0		ing/rtg	Client		e ID: Lab Co		
Lab Sample ID: LCS 880-437 Matrix: Solid	791/3-A		Spike		LCS	iiig/rtg	Client		e ID: Lab Co		
Lab Sample ID: LCS 880-437 Matrix: Solid Analysis Batch: 43930	791/3-A			LCS	LCS Qualifier	Unit	Client		e ID: Lab Co Prep <sup>-</sup>		
Lab Sample ID: LCS 880-437 Matrix: Solid Analysis Batch: 43930 <sup>Analyte</sup>	791/3-A 		Spike	LCS				t Sample	e ID: Lab Co Prep <sup>-</sup> %Rec		
Lab Sample ID: LCS 880-437 Matrix: Solid Analysis Batch: 43930 Analyte Chloride			Spike Added	LCS Result		Unit		**************************************	<b>Prep</b> %Rec Limits 90 - 110	Type: S	oluk
Lab Sample ID: LCS 880-437 Matrix: Solid Analysis Batch: 43930 Analyte Chloride Lab Sample ID: 890-3798-A-			Spike Added	LCS Result		Unit		**************************************	e ID: Lab Co Prep <sup>-</sup> %Rec Limits 90 - 110 : Sample ID:	Type: S	olub
Lab Sample ID: LCS 880-437 Matrix: Solid Analysis Batch: 43930 Analyte Chloride Lab Sample ID: 890-3798-A- Matrix: Solid			Spike Added	LCS Result		Unit		**************************************	e ID: Lab Co Prep <sup>-</sup> %Rec Limits 90 - 110 : Sample ID:	Type: S	olub
Chloride Lab Sample ID: LCS 880-437 Matrix: Solid Analysis Batch: 43930 Analyte Chloride Lab Sample ID: 890-3798-A- Matrix: Solid Analysis Batch: 43930	 1-C MS	Sample	Spike Added 250	LCS Result 270.6	Qualifier	Unit		**************************************	e ID: Lab Co Prep %Rec Limits 90 - 110 Sample ID: Prep	Type: S	olub
Lab Sample ID: LCS 880-437 Matrix: Solid Analysis Batch: 43930 Analyte Chloride Lab Sample ID: 890-3798-A- Matrix: Solid Analysis Batch: 43930		Sample	Spike Added 250 Spike	LCS Result 270.6	Qualifier	Unit mg/Kg	<u>D</u>	* Sample %Rec 108 Client	e ID: Lab Co Prep %Rec Limits 90 - 110 Sample ID: Prep %Rec	Type: S	olub
Lab Sample ID: LCS 880-437 Matrix: Solid Analysis Batch: 43930 Analyte Chloride Lab Sample ID: 890-3798-A- Matrix: Solid Analysis Batch: 43930		Qualifier	Spike Added 250	LCS Result 270.6	Qualifier MS Qualifier	Unit		**************************************	e ID: Lab Co Prep %Rec Limits 90 - 110 Sample ID: Prep	Type: S	oluk
Lab Sample ID: LCS 880-437 Matrix: Solid Analysis Batch: 43930 Analyte Chloride Lab Sample ID: 890-3798-A- Matrix: Solid Analysis Batch: 43930 Analyte Chloride	1-C MS Sample Result 149	Qualifier	Spike Added 250 Spike Added	LCS Result 270.6 MS Result	Qualifier MS Qualifier	Unit mg/Kg Unit	<u>D</u>	*Rec 108 Client	e ID: Lab Co Prep %Rec Limits 90 - 110 Sample ID: Prep %Rec Limits	Type: S	olub
Lab Sample ID: LCS 880-437 Matrix: Solid Analysis Batch: 43930 Analyte Chloride Lab Sample ID: 890-3798-A- Matrix: Solid Analysis Batch: 43930 Analyte	1-C MS Sample Result 149	Qualifier	Spike Added 250 Spike Added	LCS Result 270.6 MS Result	Qualifier MS Qualifier	Unit mg/Kg Unit mg/Kg	D	%Rec 108 Client %Rec 123	e ID: Lab Co Prep %Rec Limits 90 - 110 Sample ID: Prep %Rec Limits 90 - 110 C: Matrix Sp	Type: S Matrix Type: S ike Dup	Spil oluk
Lab Sample ID: LCS 880-437 Matrix: Solid Analysis Batch: 43930 Analyte Chloride Lab Sample ID: 890-3798-A- Matrix: Solid Analysis Batch: 43930 Analyte Chloride Lab Sample ID: 890-3798-A-	1-C MS Sample Result 149	Qualifier	Spike Added 250 Spike Added	LCS Result 270.6 MS Result	Qualifier MS Qualifier	Unit mg/Kg Unit mg/Kg	D	%Rec 108 Client %Rec 123	e ID: Lab Co Prep %Rec Limits 90 - 110 Sample ID: Prep %Rec Limits 90 - 110 C: Matrix Sp	Type: S Matrix Type: S	Spil oluk
Lab Sample ID: LCS 880-437 Matrix: Solid Analysis Batch: 43930 Analyte Chloride Lab Sample ID: 890-3798-A- Matrix: Solid Analysis Batch: 43930 Analyte Chloride	1-C MS Sample Result 149	Qualifier	Spike Added 250 Spike Added	LCS Result 270.6 MS Result	Qualifier MS Qualifier	Unit mg/Kg Unit mg/Kg	D	%Rec 108 Client %Rec 123	e ID: Lab Co Prep %Rec Limits 90 - 110 Sample ID: Prep %Rec Limits 90 - 110 C: Matrix Sp	Type: S Matrix Type: S ike Dup	Spil olub
Lab Sample ID: LCS 880-437 Matrix: Solid Analysis Batch: 43930 Analyte Chloride Lab Sample ID: 890-3798-A- Matrix: Solid Analysis Batch: 43930 Analyte Chloride Lab Sample ID: 890-3798-A- Matrix: Solid	1-C MS Sample <u>Result</u> 149 1-D MSD	Qualifier	Spike Added 250 Spike Added	LCS Result 270.6 MS Result 455.7	Qualifier MS Qualifier	Unit mg/Kg Unit mg/Kg	D	%Rec 108 Client %Rec 123	e ID: Lab Co Prep %Rec Limits 90 - 110 Sample ID: Prep %Rec Limits 90 - 110 C: Matrix Sp	Type: S Matrix Type: S ike Dup	Spil olub
Lab Sample ID: LCS 880-437 Matrix: Solid Analysis Batch: 43930 Analyte Chloride Lab Sample ID: 890-3798-A- Matrix: Solid Analysis Batch: 43930 Analyte Chloride Lab Sample ID: 890-3798-A- Matrix: Solid	1-C MS Sample Result 149 1-D MSD Sample	Qualifier F1	Spike Added 250 Spike Added 250	LCS Result 270.6 MS Result 455.7	Qualifier MS Qualifier F1	Unit mg/Kg Unit mg/Kg	D	%Rec 108 Client %Rec 123	e ID: Lab Co Prep %Rec Limits 90 - 110 Sample ID: Prep %Rec Limits 90 - 110 C: Matrix Sp Prep	Type: S Matrix Type: S ike Dup	Spik olub

Eurofins Carlsbad

Released to Imaging: 5/14/2024 11:22:06 AM

# **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	Ргер Туре	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	Ргер Туре	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	Ргер Туре	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

Eurofins Carlsbad

Page 44 of 203

# **QC Association Summary**

Client: Ensolum Project/Site: Baish B Battery

## 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

5

**8** 9

Job ID: 890-3806-1

SDG: Lea County NM

5 6

9

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

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

Lab Sample ID: 890-3806-2

Matrix: Solid

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

Project/Site: Baish B Battery

**Client Sample ID: SS01** 

Client: Ensolum

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	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	СН	EET MID

## **Client Sample ID: SS02**

# Date Collected: 01/09/23 13:50

Date Received: 01/10/23 09:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	EET MID

## **Client Sample ID: SS03**

## Date Collected: 01/09/23 12:45

Date Received: 01/10/23 09:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	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	СН	EET MID

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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

**Eurofins Carlsbad** 

Matrix: Solid

Page 46 of 203

# Lab Sample ID: 890-3806-3 Matrix: Solid

Lab Sample ID: 890-3806-4

Released to Imaging: 5/14/2024 11:22:06 AM

Job ID: 890-3806-1

Matrix: Solid

SDG: Lea County NM

Lab Sample ID: 890-3806-4

## Lab Chronicle

Client: Ensolum Project/Site: Baish B Battery

# Client Sample ID: SS04

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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

Eurofins Carlsbad

Released to Imaging: 5/14/2024 11:22:06 AM

		Accreditation/C	ertification Summary		
Client: Ensolum Project/Site: Baish B B	attery			Job ID: 890-3806-1 SDG: Lea County NM	2
Laboratory: Eurofi Unless otherwise noted, all a		ry were covered under each acc	reditation/certification below.		
Authority		Program	Identification Number	Expiration Date	
Texas		NELAP	T104704400-22-25	06-30-23	5
• •		rt, but the laboratory is not certif	ied by the governing authority. This list ma	ay include analytes for which	5
the agency does not of					
Analysis Method	Prep Method	Matrix	Analyte		
8015 NM Total BTEX		Solid Solid	Total TPH Total BTEX		
					8
					9
					10
					11
					13

Eurofins Carlsbad

.

## **Method Summary**

Client: Ensolum Project/Site: Baish B Battery Job ID: 890-3806-1 SDG: Lea County NM

Nethod	Method Description	Protocol	Laboratory
3021B	Volatile Organic Compounds (GC)	SW846	EET MID
lotal BTEX	Total BTEX Calculation	TAL SOP	EET MID
3015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
00.0	Anions, Ion Chromatography	MCAWW	EET MID
035	Closed System Purge and Trap	SW846	EET MID
015NM Prep	Microextraction	SW846	EET MID
I 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

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	5
890-3806-4	SS04	Solid	01/09/23 12:50	01/10/23 09:05	0.5	
						8
						C
						9
						1:
						1

Page 50 of 203

Received by OCD: 4/17/2024 12:35:90 PM



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:

	1					1			r					com Page <u>1</u> of <u>1</u>		
Project Manager:	Hadlie	Green				Bill to: (i	f different	)	Kalei	Jennir	ngs			er Comments		
Company Name:	Ensolu	m, LLC				Compar	Company Name: Ensolum, LLC				LC			Program: UST/PST PRP Brownfields RRC Superfund		
Address:	601 N	Marienfe	ld St S	uite 400		Address	Address: 601 N Marienfeld St Suite 400				enfeld	St Suite 400	State of Project:			
City, State ZIP:	Midland	d, TX 79	701			City, Sta	ate ZIP:	1	Midla	nd, TX	7970	1		PST/UST TRRP Level IV		
Phone:	432-55	7-8895			Email:	kjennin	igs@en	solum	n.com	; hgre	en@e	ensolum.com	Deliverables: EDD A	DaPT Other:		
Project Name:		Baish	B Batt	ery	Turr	Around						ANALYSIS	REQUEST	Preservative Codes		
Project Number:		03D	205705	54	Routine	Rus	sh	Pres. Code						None: NO DI Water: H <sub>2</sub>		
Project Location:		Lea C	ounty,	NM	Due Date:									Cool: Cool MeOH: Me		
Sampler's Name:		Dmitry	Nikand	orov	TAT starts th				[		1			HCL: HC HNO <sub>3</sub> : HN		
PO #:					the lab, if re-	ceived by	4:30pm	2						H <sub>2</sub> S0 <sub>4</sub> : H <sub>2</sub> NaOH: Na		
SAMPLE RECE	IPT	Temp B	lank:	Yes No	Wet Ice:	Yes	No	Parameters	6			THE THE THE PARTY OF THE PARTY	ATT A REAL FIRE A CONTRACT OF A CONTRACT	H₃PO₄: HP		
Samples Received In	ntact:		No	Thermometer	ID: IV	Ino	FO	arar	300.					NaHSO4: NABIS		
Cooler Custody Seal	is:	Yes No	MA	Correction Fa	ctor:	-0	a	đ.	PA:					Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>		
Sample Custody Sea	als:	Yes No	N/A)	Temperature	Reading:	a	8		S (E				hain of Custody	Zn Acetate+NaOH: Zn		
Total Containers:				Corrected Ter	mperature:	0	le		SIDE	015)	(8021	890-3806 0		NaOH+Ascorbic Acid: SAPC		
Sample Ider	ntification	n	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	CHLORIDES (EPA: 300.0)	TPH (8015)	BTEX			Sample Comments		
SSO	01		s	1/9/2023	12:35	0.5'	Grab	1	x	x	x					
SSO	02		S	1/9/2023	1350	0.5'	Grab	1	x	x	x					
SSO	03		S	1/9/2023	1245	0.5'	Grab	1	x	x	x			Incident Number		
SSO	04		S	1/9/2023	1250	0.5'	Grab	1	×	×	x					
			/		-											
			170	19/2	<u> </u>											
	10	X	0.1													
	V	) [ ]														
Total 200.7 / 60 Dircle Method(s) a		00.8 / 6										Cd Ca Cr Co Cu Fe Cd Cr Co Cu Pb Mn	Pb Mg Mn Mo Ni K Se Ag SiO Mo Ni Se Ag TI U Ha: 16:	2 Na Sr 11 Sn U V Zn 31/245.1/7470 /7471		
										-	-		tors. It assigns standard terms and conditions			
Francica Eurofine Yong	oo will be li	able only fr	or the cos	t of samples and	chall not assure	ne any resr	nonsihility	for any	losses	or expe	inses in	curred by the client if such loss	es are due to circumstances beyond the control terms will be enforced unless previously negotia	ted.		
Relinquished by			(		d by: (Signa				-	/Time		Relinquished by: (S				
DAMAS				11101	inc			1.1	0.	200	201	5				
VIV					7-1-1-	>			11.	CAR'S						

Released to Imaging: 5/14/2024 11:22:06 AM

## Login Sample Receipt Checklist

Client: Ensolum

Login Number: 3806 List Number: 1 Creator: Clifton, Cloe

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

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

List Source: Eurofins Carlsbad

14

Eurofins Carlsbad Released to Imaging: 5/14/2024 11:22:06 AM

14

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

List Source: Eurofins Midland

List Creation: 01/11/23 11:43 AM

## Login Sample Receipt Checklist

Client: Ensolum

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

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	True	

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").



**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.



Received by OCD: 4/17/2024 12:35:00 PM

# **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

RAMER

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

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

Eurofins Carlsbad is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

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

2

Page 57 of 203

	Definitions/Glossary		
Client: Ensolum		D: 890-3807-1	
Project/Site: Ba	aish B Battery SDG: Le	ea 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	κ		
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			Ì
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		

Eurofins Carlsbad

Presumptive

Quality Control

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

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

PRES

QC

RER

RPD

TEF

TEQ

TNTC

RL

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

#### Job ID: 890-3807-1

Project/Site: Baish B Battery

Client: Ensolum

#### 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.

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

Result Qualifier

<0.00199 U

<0.00199 U

<0.00199 U

<0.00398 U

<0.00199 U

<0.00398 U

<0.00398 U

<0.00199 U

<0.00398 U

%Recovery Qualifier

RL

0.00199

0.00199

0.00199

0.00398

0.00199

0.00398

Limits

Page 59 of 203

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

## Client Sample ID: SS05

Project/Site: Baish B Battery

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

Sample Depth: 0.5

Client: Ensolum

Analyte

Benzene

Toluene

o-Xylene

Surrogate

Ethylbenzene

Xylenes, Total

m-Xylene & p-Xylene

# Lab Sample ID: 890-3807-1

Analyzed

01/14/23 09:10

01/14/23 09:10

01/14/23 09:10

01/14/23 09:10

01/14/23 09:10

01/14/23 09:10

Analyzed

Matrix: Solid

807-1 Solid	3
	4
	5
Dil Fac	
1	6
1	
1	7
1	
1	0
1	0
Dil Fac	9
1 100	10
1 100	11
Dil Fac	12
1	13

1 Dromoflyorohon-one (Cyrr)	/%Recovery					Frepareu	Analyzeu	DirFac
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 - T	otal BTEX Cal	ulation						
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 - Diese	I Range Organ	ics (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 - Dies	sel Range Orga	nics (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
Oll 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
	109		70 - 130			01/13/23 08:39	01/15/23 22:59	1
o-Terphenyl								
	, Ion Chromato	graphy - So	luble					
Method: MCAWW 300.0 - Anions		o <mark>graphy - So</mark> Qualifier	oluble RL	Unit	D	Prepared	Analyzed	Dil Fac
Method: MCAWW 300.0 - Anions Analyte				Unit mg/Kg	<u>D</u>	Prepared	Analyzed 01/14/23 00:28	Dil Fac
Method: MCAWW 300.0 - Anions Analyte Chloride	Result		RL		<u> </u>			1
Method: MCAWW 300.0 - Anions Analyte Chloride	Result		RL		<u> </u>		01/14/23 00:28	1
Method: MCAWW 300.0 - Anions Analyte Chloride Hient Sample ID: SS06 ate Collected: 01/09/23 13:20	Result		RL		<u> </u>		01/14/23 00:28	1 3807-2
o-Terphenyl Method: MCAWW 300.0 - Anions Analyte Chloride Client Sample ID: SS06 late Collected: 01/09/23 13:20 late Received: 01/10/23 09:05 lample Depth: 0.5	Result		RL		<u> </u>		01/14/23 00:28	1 3807-2
Method: MCAWW 300.0 - Anions Analyte Chloride Ch	67.7	Qualifier	<u>RL</u> 4.97		<u>D</u>		01/14/23 00:28	1 3807-2
Method: MCAWW 300.0 - Anions Analyte Chloride Lient Sample ID: SS06 (ate Collected: 01/09/23 13:20) (ate Received: 01/10/23 09:05) (ample Depth: 0.5)	Result 67.7	Qualifier	<u>RL</u> 4.97		D		01/14/23 00:28	1 3807-2
Method: MCAWW 300.0 - Anions Analyte Chloride Client Sample ID: SS06 rate Collected: 01/09/23 13:20 rate Received: 01/10/23 09:05 rample Depth: 0.5 Method: SW846 8021B - Volatile Analyte	Result 67.7	Qualifier ounds (GC) Qualifier	<u>RL</u> 4.97	mg/Kg		Lab San	01/14/23 00:28 nple ID: 890- Matri	1 3807-2 x: Solid
Method: MCAWW 300.0 - Anions Analyte Chloride Ch	Result 67.7 Organic Comp Result	Qualifier ounds (GC) Qualifier U	RL	mg/Kg		Lab San	01/14/23 00:28 nple ID: 890 Matri Analyzed	1 3807-2 x: Solid

Eurofins Carlsbad

01/14/23 09:31

01/14/23 09:31

01/14/23 09:31

Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

D

Prepared

01/13/23 08:16

01/13/23 08:16

01/13/23 08:16

01/13/23 08:16

01/13/23 08:16

01/13/23 08:16

Prepared

m-Xylene & p-Xylene

o-Xylene

Xylenes, Total

0.00398

0.00199

0.00398

mg/Kg

mg/Kg

mg/Kg

01/13/23 08:16

01/13/23 08:16

01/13/23 08:16

1

1

1

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

Lab Sample ID: 890-3807-2

Lab Sample ID: 890-3807-3

Matrix: Solid

## **Client Sample ID: SS06**

Project/Site: Baish B Battery

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

Sample Depth: 0.5

Client: Ensolum

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
Analyta	Popult Qualifier

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 F	Range Organ	ics (DRO) (G	C)					

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
Oll 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**

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 Cald	ulation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Total BTEX	< 0.00399	U	0.00399	mg/Kg	01/16/23 17:06

**Eurofins Carlsbad** 

Matrix: Solid

5

1

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

Matrix: Solid

Matrix: Solid

Lab Sample ID: 890-3807-3

## Client Sample ID: SS07

Project/Site: Baish B Battery

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

Sample Depth: 0.5

Client: Ensolum

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 - Dies	el Range Orga	nics (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
Oll 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 Chromato	graphy - So	oluble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	48.8		4.99	mg/Kg			01/14/23 00:39	1

# 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 Unit Prepared Dil Fac RL D Analyzed Benzene <0.00199 U 0.00199 01/13/23 08:16 01/14/23 08:29 mg/Kg 1 Toluene <0.00199 U 0.00199 mg/Kg 01/13/23 08:16 01/14/23 08:29 Ethylbenzene <0.00199 U 0.00199 01/13/23 08:16 01/14/23 08:29 mg/Kg 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 01/14/23 08:29 Xylenes, Total <0.00398 U 0.00398 mg/Kg 01/13/23 08:16 1 %Recovery Qualifier Limits Surrogate 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 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 Mothod: SW846 8015B NM

Method	I: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)					
Analyte		Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline (GRO)-C	Range Organics	<50.0	U	50.0	mg/Kg		01/13/23 08:39	01/16/23 00:02	1
. ,	ange Organics (Over	<50.0	U	50.0	mg/Kg		01/13/23 08:39	01/16/23 00:02	1
C10-C28	)								

Eurofins Carlsbad

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

Matrix: Solid

5

1

1

1

1

# **Client Sample ID: SS08**

Project/Site: Baish B Battery

Client: Ensolum

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

# Lab Sample ID: 890-3807-4

Sample Depth: 0.5 Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued) Result Qualifier Dil Fac Analyte RL Unit D Prepared Analyzed <50.0 U 50.0 01/13/23 08:39 01/16/23 00:02 Oll Range Organics (Over C28-C36) mg/Kg %Recovery Qualifier Limits Prepared Analyzed Dil Fac Surrogate 1-Chlorooctane 105 70 - 130 01/13/23 08:39 01/16/23 00:02 01/13/23 08:39 o-Terphenyl 108 70 - 130 01/16/23 00:02 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

Eurofins Carlsbad

### Method: 8021B - Volatile Organic Compounds (GC) Matrix: Solid

				Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1		÷.
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		
890-3807-1	SS05	118	115		÷,
890-3807-1	SS05	117	102		
890-3807-2	SS06	68 S1-	67 S1-		2
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-Bromofluorobe	nzene (Surr)				
DFBZ = 1,4-Difluoroben	zene (Surr)				
-					

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

Matrix: Solid

				Percent Surrog
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(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

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

Prep Type: Total/NA

Prep Type: Total/NA

Client: Ensolum

Project/Site: Baish B Battery

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

	-A								Client Sa	ample ID: Meth	od Blank
Matrix: Solid										Prep Type:	Total/NA
Analysis Batch: 43877										Prep Bate	
-	MB	МВ								-	
Analyte	Result	Qualifier	RL		Unit		D	Pi	repared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/K	3	(	01/1 <sup>.</sup>	1/23 13:33	01/13/23 16:30	1
Toluene	<0.00200	U	0.00200		mg/K	-	(	01/1 <sup>.</sup>	1/23 13:33	01/13/23 16:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/K		(	01/1 <sup>.</sup>	1/23 13:33	01/13/23 16:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/K				1/23 13:33	01/13/23 16:30	
o-Xylene	< 0.00200		0.00200		mg/K	-			1/23 13:33	01/13/23 16:30	1
Xylenes, Total	< 0.00400		0.00400		mg/K	-			1/23 13:33	01/13/23 16:30	1
Nylonios, rotar	0.00100	0	0.00100		ing/it	9	· · ·	01/1	1/20 10.00	01/10/20 10:00	
	MB	МВ									
Surrogate	%Recovery	Qualifier	Limits					PI	repared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				(	01/1	1/23 13:33	01/13/23 16:30	1
1,4-Difluorobenzene (Surr)	86		70 - 130				(	01/1	1/23 13:33	01/13/23 16:30	1
_ Lab Sample ID: MB 880-43868/5	- <b>A</b>								Client Sa	ample ID: Meth	od Blank
Matrix: Solid										Prep Type:	
Analysis Batch: 43877										Prep Bate	
	МВ	МВ								p Date	
Analyte		Qualifier	RL		Unit		D	P	repared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg				3/23 08:16	01/14/23 03:14	1
Toluene	<0.00200		0.00200		mg/K	-			3/23 08:16	01/14/23 03:14	1
Ethylbenzene	<0.00200		0.00200		mg/K	-			3/23 08:16	01/14/23 03:14	1
	<0.00200		0.00200						3/23 08:16	01/14/23 03:14	····· 1
m-Xylene & p-Xylene o-Xylene	<0.00400		0.00400		mg/K mg/K	-			3/23 08:10	01/14/23 03:14	1
•	<0.00200				-	-					1
Xylenes, Total	<0.00400	0	0.00400		mg/K	9	(	01/1.	3/23 08:16	01/14/23 03:14	1
	MB	МВ									
Surrogate	%Recovery	Qualifier	Limits				_	PI	repared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				(	01/1	3/23 08:16	01/14/23 03:14	1
1,4-Difluorobenzene (Surr)	90		70 - 130				(	01/1	3/23 08:16	01/14/23 03:14	1
Lab Sample ID: LCS 880-43868/	1-A						Cli	ent	Sample	ID: Lab Contro	I Sample
Matrix: Solid										Prep Type:	
Analysis Batch: 43877										Prep Bate	
			Spike	LCS	LCS					%Rec	
Analyte			Added	Result	Qualifier	Unit		D	%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 LCS %Recovery Qua		Limits								
4-Bromofluorobenzene (Surr)	100 gua		70 - 130								
1,4-Difluorobenzene (Surr)	95		70 - 130 70 - 130								
									:		
Lab Sample ID: LCSD 880-43868	8/2-A					Cli	ent S	am	ple ID: L	ab Control Sar	
Matrix: Solid										Prep Type:	
Analysis Batch: 43877										Prep Bate	:h: 43868
			Spike	LCSD	LCSD					%Rec	RPD
Analyte			Added	Result	Qualifier	Unit		D	%Rec	Limits RI	D Limit

5

7

35

Benzene

0.1034

mg/Kg

103

70 - 130

0.100

0

Eurofins Carlsbad

Page 65 of 203

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

Lab Sample ID: LCSD 880-43	3868/2-A					Clier	nt Sam	ple ID: I	Lab Contro		
Matrix: Solid									Prep T	ype: Tot	tal/NA
Analysis Batch: 43877									Prep	Batch:	43868
			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	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
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	95		70 - 130								
1,4-Difluorobenzene (Surr)	96		70 - 130								
Lab Sample ID: 890-3819-A-	1-D MS							Client	Sample ID	: Matrix	Spike
Matrix: Solid									Prep T	ype: Tot	tal/NA
Analysis Batch: 43877									Prep	Batch:	438 <mark>6</mark> 8
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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		
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	95		70 - 130								
1,4-Difluorobenzene (Surr)	100		70 - 130								
Lab Sample ID: 890-3819-A-4	1-E MSD					CI	ient Sa	mple ID	): Matrix Sp	oike Dup	olicate
Matrix: Solid									Prep T	ype: Tot	tal/NA
Analysis Batch: 43877									Prep	Batch:	438 <mark>6</mark> 8
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	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
	MSD	MSD									

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

105

101

Lab Sample ID: MB 880-43869/1-A Matrix: Solid Analysis Batch: 43945						Client Sa	mple ID: Metho Prep Type: <sup>-</sup> Prep Batcl	Total/NA
	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		01/13/23 08:39	01/15/23 19:47	1
(GRO)-C6-C10								

70 - 130

70 - 130

Eurofins Carlsbad

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

Client: Ensolum

Project/Site: Baish B Battery

# **QC Sample Results**

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

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

Lab Sample ID: MB 880-43869/ Matrix: Solid	1- <b>A</b>									Client S	ample ID: I Prep T	Method Type: To	
Analysis Batch: 43945												Batch:	
		МВ	МВ								1100	Batom	
Analyte	Re	esult	Qualifier	RL			Unit	D	Pi	repared	Analyz	ed	Dil Fa
Diesel Range Organics (Over	<	\$50.0	U	50.0			mg/Kg		01/13	3/23 08:39	01/15/23	19:47	
C10-C28)													
Oll Range Organics (Over C28-C36)	<	\$50.0	U	50.0			mg/Kg		01/1:	3/23 08:39	01/15/23	19:47	
		ΜВ	МВ										
Surrogate	%Reco	very	Qualifier	Limits					PI	repared	Analyz	ed	Dil Fa
1-Chlorooctane				70 - 130					01/1	3/23 08:39	01/15/23	19:47	
p-Terphenyl		167	S1+	70 - 130					01/1	3/23 08:39	01/15/23	19:47	
Lab Sample ID: LCS 880-43869	)/2-A							с	lient	Sample	ID: Lab Co	ontrol S	ampl
Matrix: Solid												Type: To	
Analysis Batch: 43945												Batch:	
				Spike	LCS	LCS					%Rec		
Analyte				Added	Result	Quali	fier Unit		D	%Rec	Limits		
Gasoline Range Organics				1000	850.0		mg/Kg			85	70 - 130		
(GRO)-C6-C10													
Diesel Range Organics (Over C10-C28)				1000	958.3		mg/Kg			96	70 - 130		
	LCS	LCS											
	0/ 🗖	Qua	lifier	Limits									
Surrogate	%Recovery												
1-Chlorooctane	113			70 - 130 70 - 130									
1-Chlorooctane o-Terphenyl	113 105			70 - 130 70 - 130									
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4386	113 105						C	lient	Sam	ple ID: L	ab Contro	-	
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4386 Matrix: Solid	113 105						C	lient	Sam	ple ID: L	Prep T	ype: To	otal/N
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4386 Matrix: Solid	113 105			70 - 130	LCSD	LCSD		lient	Sam	ple ID: L	Prep T Prep	-	otal/N 4386
Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4386 Matrix: Solid Analysis Batch: 43945 Analyte	113 105				LCSD Result	LCSD Qualit	1	lient	Sam D	ple ID: L %Rec	Prep T	ype: To	otal/N 4386 RP
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4386 Matrix: Solid	113 105			70 - 130 Spike			1	lient		-	Prep T Prep %Rec	ype: To Batch:	tal/N 4386 RP Lim
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4386 Matrix: Solid Analysis Batch: 43945 Analyte	113 105			70 - 130 Spike Added	Result		fier Unit	lient		%Rec	Prep T Prep %Rec Limits	Batch:	tal/N 4386 RP Lim
1-Chlorooctane p-Terphenyl Lab Sample ID: LCSD 880-4386 Matrix: Solid Analysis Batch: 43945 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	113 105			70 - 130 Spike Added	Result		fier Unit	lient		%Rec	Prep T Prep %Rec Limits	Batch:	2 4386 RP Lim 2
I-Chlorooctane p-Terphenyl Lab Sample ID: LCSD 880-4386 Matrix: Solid Analysis Batch: 43945 Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over	113 105			70 - 130 Spike Added 1000	Result 969.8		fier <u>Unit</u> mg/Kg	lient		%Rec	Prep T Prep %Rec Limits 70 - 130	Sype: To Batch: RPD 13	2 4386 RP Lim 2
I-Chlorooctane D-Terphenyl Lab Sample ID: LCSD 880-4386 Matrix: Solid Analysis Batch: 43945 Analyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	113 105 69/3-A	LCS		70 - 130 Spike Added 1000	Result 969.8		fier <u>Unit</u> mg/Kg	lient		%Rec	Prep T Prep %Rec Limits 70 - 130	Sype: To Batch: RPD 13	2 4386 RP Lim 2
1-Chlorooctane p-Terphenyl Lab Sample ID: LCSD 880-4386 Matrix: Solid Analysis Batch: 43945 Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate	113 105 59/3-A	LCS		70 - 130 Spike Added 1000	Result 969.8		fier <u>Unit</u> mg/Kg	lient		%Rec	Prep T Prep %Rec Limits 70 - 130	Sype: To Batch: RPD 13	2 4386 RP Lim 2
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4386 Matrix: Solid Analysis Batch: 43945 Analyte Gasoline Range Organics	113 105 59/3-A <i>LCSD</i> %Recovery	LCS		70 - 130 Spike Added 1000 1000 Limits	Result 969.8		fier <u>Unit</u> mg/Kg	lient		%Rec	Prep T Prep %Rec Limits 70 - 130	Sype: To Batch: RPD 13	20100000000000000000000000000000000000
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4386 Matrix: Solid Analysis Batch: 43945 Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane	113 105 69/3-A <i>LCSD</i> %Recovery 116 108	LCS		70 - 130 Spike Added 1000 1000 Limits 70 - 130	Result 969.8		fier <u>Unit</u> mg/Kg	lient		<b>%Rec</b> 97 90	Prep T Prep %Rec Limits 70 - 130	Type: To Batch: RPD 13 6	otal/N 4386 RP Lim 2
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4386 Matrix: Solid Analysis Batch: 43945 Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3792-A-1-E Matrix: Solid	113 105 69/3-A <i>LCSD</i> %Recovery 116 108	LCS		70 - 130 Spike Added 1000 1000 Limits 70 - 130	Result 969.8		fier <u>Unit</u> mg/Kg	lient		<b>%Rec</b> 97 90	Prep T           %Rec           Limits           70 - 130           70 - 130	Type: To Batch: RPD 13 6	2 4386 RP Lim 2 2
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4386 Matrix: Solid Analysis Batch: 43945 Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3792-A-1-E	113 105 59/3-A <i>LCSD</i> %Recovery 116 108 MS	LCS	lifier	70 - 130 Spike Added 1000 1000 Limits 70 - 130 70 - 130	<b>Result</b> 969.8 903.3	Qualit	fier <u>Unit</u> mg/Kg	lient		<b>%Rec</b> 97 90	Prep T Prep %Rec Limits 70 - 130 70 - 130 70 - 130 Sample ID Prep T Prep T	Type: To Batch: <u>RPD</u> 13 6 : Matrix	A Spik
1-Chlorooctane p-Terphenyl Lab Sample ID: LCSD 880-4386 Matrix: Solid Analysis Batch: 43945 Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane p-Terphenyl Lab Sample ID: 890-3792-A-1-E Matrix: Solid Analysis Batch: 43945	113 105 59/3-A <i>LCSD</i> %Recovery 116 108 E MS Sample	LCS Quai	lifier	70 - 130 Spike Added 1000 1000 Limits 70 - 130 70 - 130 Spike	<b>Result</b> 969.8 903.3 MS	Qualit	<mark>fier Unit</mark> mg/Kg	lient	D	%Rec 97 90	Prep T Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 8 8 8 9 9 9 9 7 9 7 9 7 9 7 9 7 9 7 9 7	Type: To Batch: 13 6 : Matrix Type: To	A Spik
1-Chlorooctane p-Terphenyl Lab Sample ID: LCSD 880-4386 Matrix: Solid Analysis Batch: 43945 Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane p-Terphenyl Lab Sample ID: 890-3792-A-1-E Matrix: Solid Analysis Batch: 43945 Analyte	113 105 59/3-A <i>LCSD</i> %Recovery 116 108 E MS Sample Result	LCS Qual Sam Qual	lifier	70 - 130         Spike         Added         1000         1000         1000         1000         1000         1000         50 - 130         70 - 130         70 - 130         Spike         Added	Result           969.8           903.3           MS           Result	Qualit	fier <u>Unit</u> mg/Kg mg/Kg	lient		%Rec 97 90 Client 3	Prep T Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	Type: To Batch: 13 6 : Matrix Type: To	A Spik
1-Chlorooctane p-Terphenyl Lab Sample ID: LCSD 880-4386 Matrix: Solid Analysis Batch: 43945 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane p-Terphenyl Lab Sample ID: 890-3792-A-1-E Matrix: Solid Analysis Batch: 43945 Analyte Gasoline Range Organics	113 105 59/3-A <i>LCSD</i> %Recovery 116 108 E MS Sample	LCS Qual Sam Qual	lifier	70 - 130 Spike Added 1000 1000 Limits 70 - 130 70 - 130 Spike	<b>Result</b> 969.8 903.3 MS	Qualit	<mark>fier Unit</mark> mg/Kg	lient	D	%Rec 97 90	Prep T Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 8 8 8 9 9 9 9 7 9 7 9 7 9 7 9 7 9 7 9 7	Type: To Batch: 13 6 : Matrix Type: To	stal/N. 4386 RP Lim 2 2 2 2 3 5 5 5 5 5 1 8 5 5 1 8 5 5 1 8 5 1 8 5 1 8 5 1 8 5 1 8 5 1 8 5 1 8 5 1 8 5 1 8 5 1 8 5 1 8 5 1 8 5 1 8 5 1 8 1 8
1-Chlorooctane p-Terphenyl Lab Sample ID: LCSD 880-4386 Matrix: Solid Analysis Batch: 43945 Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane p-Terphenyl Lab Sample ID: 890-3792-A-1-E Matrix: Solid Analysis Batch: 43945 Analyte Gasoline Range Organics (GRO)-C6-C10	113 105 59/3-A <i>LCSD</i> %Recovery 116 108 E MS Sample Result <49.9	LCS Qual Qual U	lifier	70 - 130         Spike         Added         1000         1000         1000         1000         1000         1000         50 - 130         70 - 130         70 - 130         Spike         Added         998	Result           969.8           903.3           MS           Result           895.8	Qualit	fier Unit mg/Kg mg/Kg	lient	D	%Rec 97 90 Client 3 %Rec 87	Prep T Prep %Rec Limits 70 - 130 70 - 130 70 - 130 Sample ID: Prep T Prep T Prep %Rec Limits 70 - 130	Type: To Batch: 13 6 : Matrix Type: To	Additional statements of the second statements
I-Chlorooctane D-Terphenyl Lab Sample ID: LCSD 880-4386 Matrix: Solid Analysis Batch: 43945 Analyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate I-Chlorooctane D-Terphenyl Lab Sample ID: 890-3792-A-1-E Matrix: Solid Analysis Batch: 43945 Analyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics GRO)-C6-C10 Diesel Range Organics (Over	113 105 59/3-A <i>LCSD</i> %Recovery 116 108 E MS Sample Result	LCS Qual Qual U	lifier	70 - 130         Spike         Added         1000         1000         1000         1000         1000         1000         50 - 130         70 - 130         70 - 130         Spike         Added	Result           969.8           903.3           MS           Result	Qualit	fier <u>Unit</u> mg/Kg mg/Kg	lient	D	%Rec 97 90 Client 3	Prep T Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	Type: To Batch: 13 6 : Matrix Type: To	Additional statements of the second statements
1-Chlorooctane p-Terphenyl Lab Sample ID: LCSD 880-4386 Matrix: Solid Analysis Batch: 43945 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane p-Terphenyl Lab Sample ID: 890-3792-A-1-E Matrix: Solid Analysis Batch: 43945 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	113 105 59/3-A <i>LCSD</i> %Recovery 116 108 MS Sample Result <49.9 <49.9 <49.9 MS	LCS Qual Qual U U MS	lifier	70 - 130         Spike         Added         1000         1000         1000         1000         1000         1000         50 - 130         70 - 130         70 - 130         998         998         998	Result           969.8           903.3           MS           Result           895.8	Qualit	fier Unit mg/Kg mg/Kg	lient	D	%Rec 97 90 Client 3 %Rec 87	Prep T Prep %Rec Limits 70 - 130 70 - 130 70 - 130 Sample ID: Prep T Prep T Prep %Rec Limits 70 - 130	Type: To Batch: 13 6 : Matrix Type: To	A Spik
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4386 Matrix: Solid Analysis Batch: 43945 Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3792-A-1-E Matrix: Solid	113 105 59/3-A <i>LCSD</i> %Recovery 116 108 MS Sample Result <49.9 <49.9	LCS Qual Qual U U MS	lifier	70 - 130         Spike         Added         1000         1000         1000         1000         1000         1000         50 - 130         70 - 130         70 - 130         Spike         Added         998	Result           969.8           903.3           MS           Result           895.8	Qualit	fier Unit mg/Kg mg/Kg	lient	D	%Rec 97 90 Client 3 %Rec 87	Prep T Prep %Rec Limits 70 - 130 70 - 130 70 - 130 Sample ID: Prep T Prep T Prep %Rec Limits 70 - 130	Type: To Batch: 13 6 : Matrix Type: To	4386 RP Lim 2 2 2 Spik

Client: Ensolum

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

Project/Site: Baish B Battery Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid	-1-F MSD					C	nent S	ampie IL	): Matrix Sp Brop 1	оке Dup Гуре: То	
Analysis Batch: 43945										Batch:	
Analysis Datch. 43343	Sample	Sample	Spike	MSD	MSD				%Rec	Datch.	RPI
Analyte	-	Qualifier	Added		Qualifier	Unit	D	%Rec	Limits	RPD	Lim
Gasoline Range Organics	<49.9		997	959.7		mg/Kg		93	70 - 130	7	2
(GRO)-C6-C10	10.0	0	001	000.1		mg/rtg		00	10-100		-
Diesel Range Organics (Over C10-C28)	<49.9	U	997	917.4		mg/Kg		89	70 - 130	2	2
	MSD	MSD									
Surrogate		Qualifier	Limits								
1-Chlorooctane	<u>97</u>		70 - 130								
o-Terphenyl	82		70 - 130								
lethod: 300.0 - Anions, Lab Sample ID: MB 880-437 Matrix: Solid Analysis Batch: 43924		ography						Client S	Sample ID: Prep	Method Type: S	
		MB MB									
Analyte	R	esult Qualifier		RL	Unit		D P	repared	Analyz	ed	Dil Fa
Chloride		5.00 U		5.00	mg/K				01/13/23		
			Spiko	100	1.05					Type: S	olub
Analysis Batch: 43924 Analyte			Spike Added 250		LCS Qualifier	Unit mg/Kg	<u>D</u>	%Rec 102	Prep %Rec Limits 90 - 110	Type: So	olub
Analysis Batch: 43924 Analyte Chloride			Added	Result		mg/Kg		102	%Rec Limits 90 - 110		
Analysis Batch: 43924 Analyte Chloride Lab Sample ID: LCSD 880-4	 13792/3-A		Added	Result		mg/Kg		102	%Rec Limits 90 - 110		e Du
Analysis Batch: 43924 Analyte Chloride Lab Sample ID: LCSD 880-4 Matrix: Solid	 13792/3-A		Added	Result		mg/Kg		102	%Rec Limits 90 - 110		e Du
Analysis Batch: 43924 Analyte Chloride Lab Sample ID: LCSD 880-4 Matrix: Solid	 13792/3-A		Added 250	Result 255.0	Qualifier	mg/Kg		102	%Rec Limits 90 - 110 Lab Contro Prep		e Du olubi
Matrix: Solid Analysis Batch: 43924 Analyte Chloride Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 43924	 13792/3-A		Added 250 Spike	Result 255.0 LCSD	Qualifier	mg/Kg Clie	nt San	102	%Rec Limits 90 - 110 Lab Contro Prep %Rec	J Sampl Type: S	e Du olubl RP
Analysis Batch: 43924 Analyte Chloride Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 43924 Analyte	13792/3-A		Added 250 Spike Added	Result 255.0 LCSD Result	Qualifier	mg/Kg Clie Unit		102 nple ID: %Rec	%Rec Limits 90 - 110 Lab Contro Prep %Rec Limits	ol Sampl Type: So 	e Du olubl RP Lim
Analysis Batch: 43924 Analyte Chloride Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 43924 Analyte	 13792/3-A 		Added 250 Spike	Result 255.0 LCSD	Qualifier	mg/Kg Clie	nt San	102	%Rec Limits 90 - 110 Lab Contro Prep %Rec	J Sampl Type: S	e Du olubl RP Lim
Analysis Batch: 43924 Analyte Chloride Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 43924 Analyte Chloride Lab Sample ID: 890-3804-A			Added 250 Spike Added	Result 255.0 LCSD Result	Qualifier	mg/Kg Clie Unit	nt San	102 hple ID: %Rec 101	%Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID	ol Sampl Type: So <u>1</u> : Matrix	e Du olubl RP Lim 2 Spik
Analysis Batch: 43924 Analyte Chloride Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 43924 Analyte Chloride Lab Sample ID: 890-3804-A- Matrix: Solid			Added 250 Spike Added	Result 255.0 LCSD Result	Qualifier	mg/Kg Clie Unit	nt San	102 hple ID: %Rec 101	%Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID	ol Sampl Type: So 	e Du olubi RP Lim 2 Spik
Analysis Batch: 43924 Analyte Chloride Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 43924 Analyte Chloride Lab Sample ID: 890-3804-A	-1-C MS		Added 250 Spike Added 250	Result 255.0 LCSD Result 251.6	Qualifier LCSD Qualifier	mg/Kg Clie Unit	nt San	102 hple ID: %Rec 101	%Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID Prep	ol Sampl Type: So <u>1</u> : Matrix	e Du olubi RP Lim 2 Spik
Analysis Batch: 43924 Analyte Chloride Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 43924 Analyte Chloride Lab Sample ID: 890-3804-A- Matrix: Solid Analysis Batch: 43924	-1-C MS Sample	-	Added 250 Spike Added 250 Spike	Result 255.0 LCSD Result 251.6	Qualifier LCSD Qualifier MS	mg/Kg Clie Unit mg/Kg	<u>D</u>	102 hple ID: %Rec 101 Client	%Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID Prep %Rec	ol Sampl Type: So <u>1</u> : Matrix	e Du olubl RP Lim 2 Spik
Analysis Batch: 43924 Analyte Chloride Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 43924 Analyte Chloride Lab Sample ID: 890-3804-A- Matrix: Solid Analysis Batch: 43924 Analyte	-1-C MS Sample	Qualifier	Added 250 Spike Added 250	Result 255.0 LCSD Result 251.6	Qualifier LCSD Qualifier MS Qualifier	mg/Kg Clie Unit	nt San	102 hple ID: %Rec 101	%Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID Prep	ol Sampl Type: So <u>1</u> : Matrix	e Du olub RP Lim 2 Spik
Analysis Batch: 43924 Analyte Chloride Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 43924 Analyte Chloride Lab Sample ID: 890-3804-A- Matrix: Solid Analysis Batch: 43924 Analyte	-1-C MS Sample Result	Qualifier	Added 250 Spike Added 250 Spike Added	Result 255.0 LCSD Result 251.6 MS Result	Qualifier LCSD Qualifier MS Qualifier	mg/Kg Clie Unit mg/Kg	<u>D</u>	102 nple ID: %Rec 101 Client	%Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID Prep %Rec Limits	ol Sampl Type: So <u>1</u> : Matrix	e Du olub RP Lim 2 Spik
Analysis Batch: 43924 Analyte Chloride Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 43924 Analyte Chloride Lab Sample ID: 890-3804-A- Matrix: Solid Analysis Batch: 43924 Analyte Chloride	-1-C MS Sample Result 53.1	Qualifier	Added 250 Spike Added 250 Spike Added	Result 255.0 LCSD Result 251.6 MS Result	Qualifier LCSD Qualifier MS Qualifier	mg/Kg       Clie       Unit       mg/Kg       Unit       mg/Kg	nt San	102 hple ID: %Rec 101 Client %Rec 117	%Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID Prep %Rec Limits	el Sampl Type: So <u>RPD</u> 1 : Matrix Type: So	e Du olub RP Lin 2 Spik olub
Analysis Batch: 43924 Analyte Chloride Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 43924 Analyte Chloride Lab Sample ID: 890-3804-A- Matrix: Solid Analysis Batch: 43924 Analyte Chloride Lab Sample ID: 890-3804-A-	-1-C MS Sample Result 53.1	Qualifier	Added 250 Spike Added 250 Spike Added	Result 255.0 LCSD Result 251.6 MS Result	Qualifier LCSD Qualifier MS Qualifier	mg/Kg       Clie       Unit       mg/Kg       Unit       mg/Kg	nt San	102 hple ID: %Rec 101 Client %Rec 117	%Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID Prep %Rec Limits 90 - 110	el Sampl Type: So <u>RPD</u> 1 : Matrix Type: So	e Du olub RPP Linr 2 Spik olub
Analysis Batch: 43924 Analyte Chloride Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 43924 Analyte Chloride Lab Sample ID: 890-3804-A- Matrix: Solid Analyte Chloride Lab Sample ID: 890-3804-A- Matrix: Solid	-1-C MS Sample Result 53.1	Qualifier	Added 250 Spike Added 250 Spike Added	Result 255.0 LCSD Result 251.6 MS Result	Qualifier LCSD Qualifier MS Qualifier	mg/Kg       Clie       Unit       mg/Kg       Unit       mg/Kg	nt San	102 hple ID: %Rec 101 Client %Rec 117	%Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID Prep %Rec Limits 90 - 110	el Sampl Type: So <u>RPD</u> 1 : Matrix Type: So 	e Du olubi RPP Lim 2 Spik olubi
Analysis Batch: 43924 Analyte Chloride Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 43924 Analyte Chloride Lab Sample ID: 890-3804-A- Matrix: Solid Analyte Chloride Lab Sample ID: 890-3804-A- Matrix: Solid	-1-C MS Sample Result 53.1	Qualifier F1	Added 250 Spike Added 250 Spike Added	Result 255.0 LCSD Result 251.6 MS Result 347.0	Qualifier LCSD Qualifier MS Qualifier	mg/Kg       Clie       Unit       mg/Kg       Unit       mg/Kg	nt San	102 hple ID: %Rec 101 Client %Rec 117	%Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID Prep %Rec Limits 90 - 110	el Sampl Type: So <u>RPD</u> 1 : Matrix Type: So 	le Du olubl RP Lim 2 Spik olubl
Analysis Batch: 43924 Analyte Chloride Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 43924 Analyte Chloride Lab Sample ID: 890-3804-A- Matrix: Solid	-1-C MS Sample Result 53.1 -1-D MSD Sample	Qualifier F1	Added 250 Spike Added 250 Spike Added 252	Result 255.0 LCSD Result 251.6 MS Result 347.0	Qualifier LCSD Qualifier MS Qualifier F1	mg/Kg       Clie       Unit       mg/Kg       Unit       mg/Kg	nt San	102 hple ID: %Rec 101 Client %Rec 117	%Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID Prep %Rec Limits 90 - 110 O: Matrix Sp Prep	el Sampl Type: So <u>RPD</u> 1 : Matrix Type: So 	e Duj olubi RPI Lim 2 Spik olubi

Eurofins Carlsbad

# **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	Ргер Туре	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 Pre	p 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	Ргер Туре	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	

#### Eurofins Carlsbad

Page 68 of 203

5 6

# **QC Association Summary**

Client: Ensolum Project/Site: Baish B Battery Page 69 of 203

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
390-3807-2	SS06	Total/NA	Solid	8015B NM	43869
390-3807-3	SS07	Total/NA	Solid	8015B NM	43869
390-3807-4	SS08	Total/NA	Solid	8015B NM	43869
MB 880-43869/1-A	Method Blank	Total/NA	Solid	8015B NM	43869
_CS 880-43869/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	43869
_CSD 880-43869/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	43869
390-3792-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	43869
390-3792-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	4386

#### 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	Ргер Туре	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

Initial

Amount

5.02 g

5 mL

5.02 g

5 mL

10.00 g

1 uL

5.03 g

Final

Amount

5 mL

5 mL

5 mL

5 mL

10 mL

1 uL

50 mL

Batch

43868

43877

43868

43877

44115

44044

43869

43945

43792

43924

Number

Prepared

or Analyzed

01/13/23 08:16

01/14/23 09:10

01/13/23 08:16

01/14/23 10:55

01/16/23 17:06

01/16/23 16:39

01/13/23 08:39

01/15/23 22:59

01/12/23 09:21

01/14/23 00:28

Dil

1

100

1

1

1

1

Factor

Run

Batch

Туре

Prep

Prep

Analysis

Analysis

Analysis

Analysis

Analysis

Analysis

Leach

Prep

Batch

Method

5035

8021B

5035

8021B

Total BTEX

8015NM Prep

8015B NM

DI Leach

300.0

8015 NM

Project/Site: Baish B Battery

### **Client Sample ID: SS05** Date Collected: 01/09/23 13:15

Date Received: 01/10/23 09:05

**Client Sample ID: SS06** 

Date Collected: 01/09/23 13:20

Date Received: 01/10/23 09:05

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Soluble

Soluble

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

# Lab Sample ID: 890-3807-1

Analyst

MNR

MNR

MNR

MNR

AJ

AJ

DM

AJ

KS

СН

Matrix: Solid

Lab

EET MID

## Lab Sample ID: 890-3807-2

Lab Sample ID: 890-3807-3

Matrix: Solid

Matrix: Solid

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

### **Client Sample ID: SS07** Date Collected: 01/09/23 13:25 Date Received: 01/10/23 09:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	EET MID

**Eurofins Carlsbad** 

Released to Imaging: 5/14/2024 11:22:06 AM

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

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

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

Project/Site: Baish B Battery

Client: Ensolum

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	EET MID

#### Laboratory References:

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

Eurofins Carlsbad

**Released to Imaging: 5/14/2024 11:22:06 AM** 

		Accreditation/Co	ertification Summary					
Client: EnsolumJob ID: 8Project/Site: Baish B BatterySDG: Lea								
Laboratory: Eurofi	ns Midland							
Unless otherwise noted, all a	nalytes for this laborator	y were covered under each acc	reditation/certification below.					
Authority		Program	Identification Number	Expiration Date				
Texas		NELAP	T104704400-22-25	06-30-23	-			
The following analytes a	are included in this repo	rt, but the laboratory is not certif	ied by the governing authority. This list ma	ay include analytes for which	5			
the agency does not off								
Analysis Method 8015 NM	Prep Method	Matrix Solid	Analyte Total TPH					
Total BTEX		Solid	Total BTEX					
					8			
					9			
					10			
					13			
					14			

Eurofins Carlsbad

.
## **Method Summary**

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

Method	Method Description	Protocol	Laboratory
3021B	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

Eurofins Carlsbad

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

b Sample ID	Client Sample ID	Matrix	Collected	Received	Depth	
0-3807-1	SS05	Solid	01/09/23 13:15	01/10/23 09:05	0.5	
0-3807-2	SS06	Solid	01/09/23 13:20	01/10/23 09:05	0.5	
0-3807-3	SS07	Solid	01/09/23 13:25	01/10/23 09:05	0.5	Ę
0-3807-4	SS08	Solid	01/09/23 13:30	01/10/23 09:05	0.5	
						1

Received by OCD: 4/17/2024 12:35:40 PM

#### Chain of Custody eurofins Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 **Environment Testing** Work Order No: Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 Xenco EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199 Page www.xenco.com Work Order Comments Kalei Jennings Hadlie Green Bill to: (if different) **Project Manager** Program: UST/PST PRP Brownfields RRC Superfund Ensolum, LLC Company Name: Ensolum, LLC Company Name: State of Project: 601 N Marienfeld St Suite 400 Address: 601 N Marienfeld St Suite 400 Address: Reporting: Level II Level III PST/UST TRRP Level IV Midland, TX 79701 City, State ZIP: Midland, TX 79701 City, State ZIP: Deliverables: EDD ADaPT Other: Email: kjennings@ensolum.com; hgreen@ensolum.com 432-557-8895 Phone: ANALYSIS REQUEST **Preservative Codes** Baish B Battery Project Name: **Turn Around** Pres. DI Water: H<sub>2</sub>O 03D2057054 Routine Rush None: NO Project Number: Code MeOH: Me Due Date: Cool: Cool Lea County, NM Project Location: HCL: HC HNO3: HN Dmitry Nikanorov Sampler's Name: TAT starts the day received by the lab, if received by 4:30pm NaOH: Na H2SO4: H2 PO #: Parameters HaPOA: HP SAMPLE RECEIPT Temp Blank: (es)No Wet Ice Yes No CHLORIDES (EPA: 300.0) NaHSO4: NABIS Samples Received Intact: Yes No Thermometer ID: Na2S2O3: NaSO3 Correction Factor: Cooler Custody Seals: Yes No NA 890-3807 Chain of Custod Zn Acetate+NaOH: Zn Sample Custody Seals: Yes No N/A Temperature Reading: NaOH+Ascorbic Acid: SAPC Corrected Temperature: TPH (8015) BTEX (8021 Total Containers: 0 Grab/ #of Time Date Sample Comments Matrix Depth Sample Identification Cont Sampled Sampled Comp S 0.5 Grab х х х SS05 1/9/2023 13:15 1 х S 1/9/2023 1320 0.5 Grab 1 х х SS06 **Incident Number** S 0.5 Grab 1 x х х SS07 1/9/2023 1325 0.5 Grab 1 x SS08 1/9/2023 1330 х х 8RCRA 13PPM Texas 11 AI Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr TI Sn U V Zn Total 200.7 / 6010 200.8 / 6020: TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag TI U Hg: 1631 / 245.1 / 7470 / 7471 Circle Method(s) and Metal(s) to be analyzed 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 Date/Time Relinguished by: (Signature) Received by: (Signature) NO

Revised Date: 08/25/2020 Rev. 2020.2

## Login Sample Receipt Checklist

Client: Ensolum

Login Number: 3807 List Number: 1 Creator: Clifton, Cloe

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

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

List Source: Eurofins Carlsbad

14

Eurofins Carlsbad Released to Imaging: 5/14/2024 11:22:06 AM

14

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

List Source: Eurofins Midland

List Creation: 01/11/23 11:43 AM

## Login Sample Receipt Checklist

Client: Ensolum

<6mm (1/4").

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

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	True	

Released to Imaging: 5/14/2024 11:22:06 AM



**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.



Received by OCD: 4/17/2024 12:35:00 PM

1

# **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

RAMER

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

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

Eurofins Carlsbad is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

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

	<b>,</b>				
Client: Ensolum Project/Site: Maverick Baish B Battery		Job ID: 890-4231-           Battery         SDG: 03E205705-			
Qualifiers			3		
GC VOA					
Qualifier	Qualifier Description				
F1	MS and/or MSD recovery exceeds control limits.				
F2	MS/MSD RPD exceeds control limits		5		
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.	8
U	Indicates the analyte was analyzed for but not detected.	
HPLC/IC		9
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	

#### 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.

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

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

Sample Depth: 2'

Client: Ensolum

## Lab Sample ID: 890-4231-1

Matrix: Solid

5 Dil Fac

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	
Foluene	<0.00198	U	0.00198	mg/Kg		03/13/23 08:00	03/13/23 14:37	
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/13/23 08:00	03/13/23 14:37	
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		03/13/23 08:00	03/13/23 14:37	
o-Xylene	<0.00198	U	0.00198	mg/Kg		03/13/23 08:00	03/13/23 14:37	
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		03/13/23 08:00	03/13/23 14:37	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	99		70 - 130			03/13/23 08:00	03/13/23 14:37	
1,4-Difluorobenzene (Surr)	102		70 - 130			03/13/23 08:00	03/13/23 14:37	
Method: TAL SOP Total BTEX - T	otal BTEX Calo	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00396	U	0.00396	mg/Kg			03/13/23 17:17	
Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (	GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	104		49.9	mg/Kg			03/07/23 13:47	
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)					
Analyte	• •	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/06/23 08:24	03/06/23 18:27	
Diesel Range Organics (Over	104		49.9	mg/Kg		03/06/23 08:24	03/06/23 18:27	
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/06/23 08:24	03/06/23 18:27	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	120		70 - 130			03/06/23 08:24	03/06/23 18:27	
p-Terphenyl	126		70 - 130			03/06/23 08:24	03/06/23 18:27	
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy - Solubl	e					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	53.7		4.98	mg/Kg			03/08/23 22:57	
lient Sample ID: FS02						Lab Sar	nple ID: 890-	4231-2
ate Collected: 02/27/23 13:55							Matri	x: Solie
ate Received: 03/03/23 08:40								
ample Depth: 2'								
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)	)					
		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Analyte	Result	Quanner	NL	onic		ricparca	Analyzeu	
Analyte Benzene	- <u>&lt;0.00199</u>	U	0.00199	mg/Kg		03/13/23 08:00	03/13/23 15:03	

4-Bromofluorobenzene (Surr)	104		70 - 130		03/13/23 08:00	03/13/23 15:03	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
Xylenes, Total	<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
m-Xylene & p-Xylene	<0.00398	U	0.00398	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
Toluene	<0.00199	U	0.00199	mg/Kg	03/13/23 08:00	03/13/23 15:03	1
Benzene	<0.00199	U	0.00199	mg/Kg	03/13/23 08:00	03/13/23 15:03	1

Eurofins Carlsbad

## **Client Sample Results**

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

Matrix: Solid

5

Lab Sample ID: 890-4231-2

## Client Sample ID: FS02

Date Collected: 02/27/23 13:55 Date Received: 03/03/23 08:40

Sample Depth: 2'

Client: Ensolum

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 - 1	otal BTEX Calo	culation						
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 - Diese	l Range Organ	ics (DRO) (	GC)					
Analyte		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 - Dies Analyte		Qualifier	(GC) RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9		49.9	mg/Kg		03/06/23 08:24	03/06/23 18:49	1
(GRO)-C6-C10				5. 5				
Diesel Range Organics (Over	55.6		49.9	mg/Kg		03/06/23 08:24	03/06/23 18:49	1
C10-C28)								
Oll 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			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	Chromatograp	hv - Solubl	e					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	60.2		4.98	mg/Kg			03/08/23 23:12	1

Date Collected: 02/27/23 14:40 Date Received: 03/03/23 08:40 Sample Depth: 3.5'

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 Cald	culation						
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 - Die	esel Range Organ	ics (DRO) (	GC)					
Auchola	Posult	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Result	Quaimer		onic		Treparea	Analyzea	Dirrac

Eurofins Carlsbad

Released to Imaging: 5/14/2024 11:22:06 AM

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

Lab Sample ID: 890-4231-3

## **Client Sample ID: FS03**

Date Collected: 02/27/23 14:40 Date Received: 03/03/23 08:40

Sample Depth: 3.5'

Client: Ensolum

Method: SW846 8015B NM - Dies	el Range Orga	inics (DRO)	(GC)				
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		03/06/23 08:24	03/06/23 19:11
(GRO)-C6-C10							
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		03/06/23 08:24	03/06/23 19:11
C10-C28)							
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/06/23 08:24	03/06/23 19:11
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed
1-Chlorooctane	103		70 - 130			03/06/23 08:24	03/06/23 19:11
o-Terphenyl	116		70 - 130			03/06/23 08:24	03/06/23 19:11

### 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**

### Date Collected: 02/28/23 11:35

### Date Received: 03/03/23 08:40

Sample Depth: 2'

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 - 1	Total BTEX Cald	culation						
Analyte Total BTEX		Qualifier U	RL 0.00398	Unit mg/Kg	<u> </u>	Prepared	Analyzed 03/16/23 15:40	Dil Fac
Method: TAL SOP Total BTEX - 1 Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte	Result <0.00398	Qualifier U	0.00398		<u>D</u> 	Prepared		Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Diese	Result <0.00398	Qualifier U ics (DRO) ( Qualifier	0.00398	mg/Kg		<u>·</u>	03/16/23 15:40	1
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH	el Range Organ Result 4 Range Organ Result 49.9	Qualifier U ics (DRO) ( Qualifier U	0.00398 GC) RL 49.9	mg/Kg Unit		<u>·</u>	03/16/23 15:40 Analyzed	1
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese	el Range Organ Result Al Range Organ Al Result Al Sel Range Orga	Qualifier U ics (DRO) ( Qualifier U	0.00398 GC) RL 49.9	mg/Kg Unit		<u>·</u>	03/16/23 15:40 Analyzed	1 Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	el Range Organ Result Al Range Organ Al Result Al Sel Range Orga	Qualifier U ics (DRO) ( Qualifier U nics (DRO) Qualifier	0.00398 GC) <u>RL</u> 49.9 (GC)	mg/Kg Unit mg/Kg	D	Prepared	03/16/23 15:40 Analyzed 03/08/23 15:27	1 Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte	el Range Organ Result <49.9 Sel Range Orga Result Result	Qualifier U ics (DRO) ( Qualifier U unics (DRO) Qualifier U	0.00398 GC) RL 49.9 (GC) RL	mg/Kg Unit mg/Kg Unit	D	Prepared	03/16/23 15:40 Analyzed 03/08/23 15:27 Analyzed	1

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

Eurofins Carlsbad

1

1

1

1

1

Released to Imaging: 5/14/2024 11:22:06 AM

		Clier	t Sample Re	sults				
Client: Ensolum			•				Job ID: 890	)-4231-*
roject/Site: Maverick Baish B Batte	ry						SDG: 03E2	205705
Client Sample ID: FS04						Lab Sar	nple ID: 890-	4231-4
Date Collected: 02/28/23 11:35							-	ix: Soli
Date Received: 03/03/23 08:40								
Sample Depth: 2'								
			-					
Method: EPA 300.0 - Anions, Ion ( Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	69.3		5.01	mg/Kg			03/08/23 23:22	
Client Sample ID: FS05						l ah Sar	nple ID: 890-	1231_
						Lab Sai	-	
Date Collected: 02/28/23 11:40 Date Received: 03/03/23 08:40							watr	ix: Soli
Sample Depth: 2'								
-								
Method: SW846 8021B - Volatile C			•	11-34	-	December	A see borne al	DH 5-
Analyte Benzene	<	Qualifier	RL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fa
Toluene	<0.00199		0.00199	mg/Kg		03/09/23 10:06	03/13/23 18:36	
Ethylbenzene			0.00199	mg/Kg		03/09/23 10:06	03/13/23 18:36	
m-Xylene & p-Xylene	<0.00199 <0.00398		0.00199 0.00398	mg/Kg		03/09/23 10:06 03/09/23 10:06	03/13/23 18:36 03/13/23 18:36	
o-Xylene	<0.00398		0.00398	mg/Kg mg/Kg		03/09/23 10:06	03/13/23 18:36	
Xylenes, Total	<0.00199		0.00398	mg/Kg		03/09/23 10:00	03/13/23 18:36	
Aylenes, Iotai	<0.00590	0	0.00390	ilig/Rg		03/09/23 10:00	03/13/23 10:30	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	50	S1-	70 - 130			03/09/23 10:06	03/13/23 18:36	
1,4-Difluorobenzene (Surr)	125		70 - 130			03/09/23 10:06	03/13/23 18:36	
- Method: TAL SOP Total BTEX - To	otal BTEX Cal	ulation						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/16/23 15:40	
Method: SW846 8015 NM - Diesel				11-14		Description	A	D!! E-
Analyte Total TPH	Result <49.9	Qualifier	RL	Unit	D	Prepared	Analyzed 03/08/23 15:27	Dil Fa
	<49.9	0	49.9	mg/Kg			03/06/23 15.27	
Method: SW846 8015B NM - Diese	el Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/07/23 10:19	03/08/23 02:21	
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		03/07/23 10:19	03/08/23 02:21	
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/07/23 10:19	03/08/23 02:21	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	109		70 - 130			03/07/23 10:19	03/08/23 02:21	
o-Terphenyl	105		70 - 130			03/07/23 10:19	03/08/23 02:21	
Method: EPA 300.0 - Anions, Ion (	Chromatogram	hy - Solub						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
						-	-	

03/08/23 23:26

Chloride

4.98

43.1

mg/Kg

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

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

Result Qualifier

<0.00199 U

<0.00199 U

<0.00199 U

<0.00398 U

<0.00199 U

<0.00398 U

%Recovery Qualifier

40 S1-

97

< 0.00398

Result Qualifier

11

RL

0.00199

0.00199

0.00199

0.00398

0.00199

0.00398

Limits

70 - 130

70 - 130

RL

0.00398

Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

Unit

mg/Kg

D

D

Prepared

03/09/23 10:06

03/09/23 10:06

03/09/23 10:06

03/09/23 10:06

03/09/23 10:06

03/09/23 10:06

Prepared

03/09/23 10:06

03/09/23 10:06

Prepared

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

## **Client Sample ID: FS06**

Date Collected: 02/28/23 11:45 Date Received: 03/03/23 08:40

Sample Depth: 2'

Client: Ensolum

Analyte

Benzene

Toluene

o-Xylene

Surrogate

Analyte

Total BTEX

Ethylbenzene

Xylenes, Total

m-Xylene & p-Xylene

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

Lab Sample ID: 890-4231-6

Analyzed

03/13/23 18:56

03/13/23 18:56

03/13/23 18:56

03/13/23 18:56

03/13/23 18:56

03/13/23 18:56

Analyzed

03/13/23 18:56

03/13/23 18:56

Analyzed

03/16/23 15:40

Lab Sample ID: 890-4231-7

Matrix: Solid 5

Dil Fac

1

1

1

1

1

Matrix: Solid

Dil Fac

Dil Fac

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 - Diese	el Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		03/07/23 10:19	03/08/23 02:42	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		03/07/23 10:19	03/08/23 02:42	1
C10-C28)								
Oll 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	Chromatograp	ohy - Solubl	e					
Analyte		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** Date Collected: 03/01/23 08:00

Date Received: 03/03/23 08:40

Sample Depth: 4'

Method: SW846 8021B - Volat	ile Organic Comp	ounds (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** 

Released to Imaging: 5/14/2024 11:22:06 AM

## **Client Sample Results**

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

Matrix: Solid

5

Lab Sample ID: 890-4231-7

## Client Sample ID: FS07

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

Sample Depth: 4'

Client: Ensolum

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 - T	otal BTEX Calo	culation						
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 - Diese	I Range Organ	ics (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 - Dies	el Range Orga	nics (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
Oll 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	Chromatograp	hy - Solubl	e					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	106		4.98	mg/Kg			03/08/23 23:46	1
lient Sample ID: FS08						Lab San	nple ID: 890-4	4231-8

Sample Depth: 4'

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 Cald	culation						
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 - Die	esel Range Organ	ics (DRO) (	GC)					
	Desult	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Result	Quaimer		onit		ricparca	Analyzea	Dirruc

Eurofins Carlsbad

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

Lab Sample ID: 890-4231-8

Lab Sample ID: 890-4231-9

Matrix: Solid

## **Client Sample ID: FS08**

Date Collected: 03/01/23 07:55 Date Received: 03/03/23 08:40

Sample Depth: 4'

Client: Ensolum

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		03/08/23 10:34	03/08/23 21:56	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		03/08/23 10:34	03/08/23 21:56	1
C10-C28)								
Oll 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**

#### Date Collected: 03/01/23 12:00

#### Date Received: 03/03/23 08:40

Sample Depth: 4'

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 - Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Total BTEX	Result <0.00401	Qualifier U	0.00401	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 03/16/23 15:40	Dil Fac
Analyte	Result <0.00401 el Range Organ	Qualifier U	0.00401		<u>D</u> 	Prepared		Dil Fac 1 Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Diese	Result <0.00401 el Range Organ	Qualifier U ics (DRO) ( Qualifier	0.00401	mg/Kg			03/16/23 15:40	1
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte	el Range Organ Result Solution Result Solution	Qualifier U ics (DRO) ( Qualifier U	0.00401 GC) RL 50.0	mg/Kg Unit			03/16/23 15:40 Analyzed	1
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH	el Range Organ Result Range Organ Sel Range Organ	Qualifier U ics (DRO) ( Qualifier U	0.00401 GC) RL 50.0	mg/Kg Unit			03/16/23 15:40 Analyzed	1
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die	el Range Organ Result Range Organ Sel Range Organ	Qualifier U ics (DRO) ( Qualifier U nics (DRO) Qualifier	0.00401 GC) <u>RL</u> 50.0 (GC)	mg/Kg Unit mg/Kg	D	Prepared	03/16/23 15:40 Analyzed 03/09/23 12:02	1 Dil Fac 1
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	el Range Organ Result <0.00401 el Range Organ         	Qualifier U ics (DRO) ( Qualifier U nics (DRO) Qualifier U	0.00401 GC) RL 50.0 (GC) RL	mg/Kg Unit mg/Kg Unit	D	Prepared	03/16/23 15:40 Analyzed 03/09/23 12:02 Analyzed	1 Dil Fac 1

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

**Eurofins Carlsbad** 

Matrix: Solid

		Clien	t Sample Re	sults				
Client: Ensolum			•				Job ID: 890	-4231-1
Project/Site: Maverick Baish B Batte	ery						SDG: 03E2	2057054
Client Sample ID: FS09						Lab Sar	nple ID: 890-	4231-9
Date Collected: 03/01/23 12:00								x: Solid
Date Received: 03/03/23 08:40								
Sample Depth: 4'								
_ Method: EPA 300.0 - Anions, Ion	Chromotogram	by Solub						
Analyte	· · ·	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	305		5.01	mg/Kg			03/08/23 23:56	1
lient Sample ID: FS10						Lab Sam	ple ID: 890-4	231-10
Date Collected: 02/28/23 14:35							-	x: Solid
Date Received: 03/03/23 08:40							Math	x. 00110
Sample Depth: 3'								
- Mothody SW/846 9024P Volatila	Organia Comp	oundo (CC	\ \					
Method: SW846 8021B - Volatile ( Analyte		Qualifier	) RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200		0.00200	mg/Kg		03/10/23 12:35	03/14/23 12:46	1
Toluene	<0.00200		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 - To	otal BTEX Cale	ulation						
Analyte		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 - Diese	Panga Organ		60)					
Analyte		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 - Dies	ol Bango Orga							
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0		50.0			03/08/23 10:34	03/08/23 23:23	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		03/08/23 10:34	03/08/23 23:23	1
C10-C28) Oll Range Organics (Over C28-C36)	<50.0		50.0	ma/Ka		03/08/23 10:34	03/08/23 23.23	1
On Mange Organics (Over 020-030)	<b>~</b> 50.0	0	50.0	mg/Kg		03/06/23 10.34	03/08/23 23:23	I
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	Chromatograp	hy - Solub	le					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	61.9		4.99	mg/Kg			03/09/23 00:00	1

Eurofins Carlsbad

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

Matrix: Solid

5

Lab Sample ID: 890-4231-11

## **Client Sample ID: FS11**

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

Sample Depth: 3.5'

Client: Ensolum

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	
Toluene	<0.00199	U	0.00199	mg/Kg		03/10/23 14:43	03/15/23 15:08	
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/10/23 14:43	03/15/23 15:08	
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/10/23 14:43	03/15/23 15:08	
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/10/23 14:43	03/15/23 15:08	
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/10/23 14:43	03/15/23 15:08	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	66	S1-	70 - 130			03/10/23 14:43	03/15/23 15:08	
1,4-Difluorobenzene (Surr)	68	S1-	70 - 130			03/10/23 14:43	03/15/23 15:08	-
Method: TAL SOP Total BTEX - T	otal BTEX Calo	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	< 0.00398	U	0.00398	mg/Kg			03/16/23 15:40	1
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (	GC)		P	Bronorod	Analyzad	
Method: SW846 8015 NM - Diese Analyte	l Range Organ			Unit	D	Prepared	Analyzed	Dil Fac
: Method: SW846 8015 NM - Diese	l Range Organ	<mark>ics (DRO) (</mark> Qualifier	GC)		<u>D</u>	Prepared	Analyzed 03/09/23 12:02	Dil Fac
Method: SW846 8015 NM - Diese Analyte	el Range Organ Result <50.0 sel Range Orga	ics (DRO) ( Qualifier U	GC) <u>RL</u> 50.0	Unit	<u>D</u>	Prepared		1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies Analyte	el Range Organ Result <50.0 sel Range Orga Result	ics (DRO) ( Qualifier U mics (DRO) Qualifier	GC) <u>RL</u> 50.0	Unit	<u>D</u>	Prepared	03/09/23 12:02 Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH	el Range Organ Result <50.0 sel Range Orga	ics (DRO) ( Qualifier U mics (DRO) Qualifier	GC) <u>RL</u> 50.0 (GC)	Unit mg/Kg		<u> </u>	03/09/23 12:02	,
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	el Range Organ Result <50.0 sel Range Orga Result	ics (DRO) ( Qualifier U mics (DRO) Qualifier U	GC)	Unit mg/Kg Unit		Prepared	03/09/23 12:02 Analyzed	
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	el Range Organ Result <50.0 sel Range Orga Result <50.0	ics (DRO) ( Qualifier U mics (DRO) Qualifier U U	GC) <u>RL</u> 50.0 (GC) <u>RL</u> 50.0 	Unit mg/Kg Unit mg/Kg		Prepared 03/08/23 10:34	03/09/23 12:02 Analyzed 03/08/23 23:45	1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	el Range Organ Result <50.0 sel Range Orga Result <50.0 <50.0	ics (DRO) ( Qualifier U mics (DRO) Qualifier U U	GC) RL 50.0 (GC) RL 50.0 50.0	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 03/08/23 10:34 03/08/23 10:34	03/09/23 12:02 Analyzed 03/08/23 23:45 03/08/23 23:45	1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	el Range Organ <u>Result</u> <50.0 sel Range Orga Result <50.0 <50.0	ics (DRO) ( Qualifier U mics (DRO) Qualifier U U	GC) RL 50.0 (GC) RL 50.0 50.0 50.0 50.0	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 03/08/23 10:34 03/08/23 10:34 03/08/23 10:34	03/09/23 12:02 Analyzed 03/08/23 23:45 03/08/23 23:45 03/08/23 23:45	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	el Range Organ <u>Result</u> <50.0 sel Range Orga Result <50.0 <50.0 <50.0 <50.0 %Recovery	ics (DRO) ( Qualifier U mics (DRO) Qualifier U U	GC) RL 50.0 (GC) RL 50.0 50.0 50.0 Limits	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 03/08/23 10:34 03/08/23 10:34 03/08/23 10:34 Prepared	03/09/23 12:02 Analyzed 03/08/23 23:45 03/08/23 23:45 03/08/23 23:45 Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	el Range Organ Result <pre></pre> <pre></pre> <pre>Sel Range Orga </pre> <pre>Sel Range Orga </pre> <pre>Sel Range Orga </pre> <pre></pre> <pre><pre></pre> <pre></pre> <pre< td=""><td>ics (DRO) (( Qualifier U Qualifier U U U Qualifier</td><td>GC) RL 50.0 (GC) RL 50.0 50.0 50.0 50.0 <u>Limits</u> 70 - 130 70 - 130</td><td>Unit mg/Kg Unit mg/Kg mg/Kg</td><td></td><td>Prepared 03/08/23 10:34 03/08/23 10:34 03/08/23 10:34 Prepared 03/08/23 10:34</td><td>O3/09/23         12:02           Analyzed         03/08/23         23:45           03/08/23         23:45         03/08/23         23:45           03/08/23         23:45         03/08/23         23:45</td><td>Dil Fac</td></pre<></pre>	ics (DRO) (( Qualifier U Qualifier U U U Qualifier	GC) RL 50.0 (GC) RL 50.0 50.0 50.0 50.0 <u>Limits</u> 70 - 130 70 - 130	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 03/08/23 10:34 03/08/23 10:34 03/08/23 10:34 Prepared 03/08/23 10:34	O3/09/23         12:02           Analyzed         03/08/23         23:45           03/08/23         23:45         03/08/23         23:45           03/08/23         23:45         03/08/23         23:45	Dil Fac

Chloride	158 F1	4.97	mg/Kg	03/09/23 00:05	1
Client Sample ID: FS12				Lab Sample ID: 890-42	231-12
Date Collected: 03/01/23 09:40				Matrix	c: Solid

Date Collected: 03/01/23 09:40 Date Received: 03/03/23 08:40

Sample Depth: 3'

Method: SW846 8021B - Volat	ile Organic Comp	ounds (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

Eurofins Carlsbad

## **Client Sample Results**

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

Matrix: Solid

5

Lab Sample ID: 890-4231-12

## **Client Sample ID: FS12**

Date Collected: 03/01/23 09:40 Date Received: 03/03/23 08:40

Sample Depth: 3'

Client: Ensolum

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 - T	otal BTEX Calo	culation						
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 - Diese	Range Organ	ics (DRO) (	GC)					
Analyte		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 - Dies	el Range Orga	nics (DRO)	(GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		03/08/23 10:34	03/09/23 00:07	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		03/08/23 10:34	03/09/23 00:07	1
C10-C28)								
Oll 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	Chromatograp	hy - Solubl	e					
	Decult	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Result	Quaimer	RL	Unit	U	Flepaleu	Analyzeu	Dirrac

#### **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

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 Cald	ulation						
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
	esel Range Organ	ics (DRO) (	GC)					
Method: SW846 8015 NM - Die	esei Kange Organ							
Method: SW846 8015 NM - Die Analyte	• •	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

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

Matrix: Solid

5

Lab Sample ID: 890-4231-13

Lab Sample ID: 890-4231-14

Matrix: Solid

## Client Sample ID: FS13

Date Collected: 03/01/23 11:50 Date Received: 03/03/23 08:40

#### Sample Depth: 3'

Client: Ensolum

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
Oll 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'

1-Chlorooctane

o-Terphenyl

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 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
Total BTEX	<0.00403		0.00403	mg/Kg			03/13/23 17:17	
Method: SW846 8015 NM - Diese		ics (DRO) ( Qualifier	GC) RL	Unit	D	Dremered	Amelymed	Dil Fac
Analyte Total TPH	Kesuit 66.7	Quaimer	50.0	mg/Kg		Prepared	Analyzed 03/09/23 12:02	
Method: SW846 8015B NM - Dies Analyte		nics (DRO) Qualifier	(GC) 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	
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/08/23 10:34	03/09/23 00:49	1

70 - 130

70 - 130

0.7 S1-

0.7 S1-

03/09/23 00:49

03/09/23 00:49

03/08/23 10:34

03/08/23 10:34

1

		Client	: Sample Re	sults				
Client: Ensolum Project/Site: Maverick Baish B Batte	ery						Job ID: 890 SDG: 03E2	
Client Sample ID: SW01 Date Collected: 02/27/23 14:50 Date Received: 03/03/23 08:40 Sample Depth: 0-2'						Lab Sam	ple ID: 890-4 Matri	231-14 ix: Solid
_ Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Soluble						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	36.7		4.97	mg/Kg			03/09/23 00:39	
Client Sample ID: SW02 Date Collected: 02/28/23 11:50 Date Received: 03/03/23 08:40						Lab Sam	ple ID: 890-4 Matri	231-1 ix: Solie
Sample Depth: 0-2' - Method: SW846 8021B - Volatile (	Organic Comp	ounds (GC)						
Analyte	• •	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00199	U	0.00199	mg/Kg		03/10/23 12:35	03/14/23 13:07	
Toluene	<0.00199	U	0.00199	mg/Kg		03/10/23 12:35	03/14/23 13:07	
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/10/23 12:35	03/14/23 13:07	
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/10/23 12:35	03/14/23 13:07	
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/10/23 12:35	03/14/23 13:07	
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/10/23 12:35	03/14/23 13:07	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	127		70 - 130			03/10/23 12:35	03/14/23 13:07	
1,4-Difluorobenzene (Surr)	109		70 - 130			03/10/23 12:35	03/14/23 13:07	
- Method: TAL SOP Total BTEX - To	otal BTEX Calo	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/16/23 15:40	
Method: SW846 8015 NM - Diese					_			
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	64.7		50.0	mg/Kg			03/09/23 12:02	
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO) (	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	64.7		50.0	mg/Kg		03/08/23 10:34	03/09/23 01:11	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/08/23 10:34	03/09/23 01:11	
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/08/23 10:34	03/09/23 01:11	
Surrogate	%Recovery		Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	0.8	S1-	70 - 130			03/08/23 10:34	03/09/23 01:11	
o-Terphenyl		S1-	70 - 130			03/08/23 10:34	03/09/23 01:11	

Analyte

Chloride

RL

4.95

Unit

mg/Kg

D

Prepared

Result Qualifier

51.8

Dil Fac

1

Analyzed

03/09/23 00:44

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

Lab Sample ID: 890-4231-16

## Client Sample ID: SW03

Date Collected: 03/01/23 11:05 Date Received: 03/03/23 08:40

Sample Depth: 0

Client: Ensolum

03/03/23 00.40		
0-3'		

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
Analyte Total BTEX		Qualifier U	<b>RL</b> 0.00398	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 03/16/23 15:40	Dil Fac
Total BTEX Method: SW846 8015 NM - Diese	<0.00398 el Range Organ	U ics (DRO) (	0.00398	mg/Kg		<u>`</u>	03/16/23 15:40	1
Total BTEX Method: SW846 8015 NM - Diese Analyte	<0.00398 I Range Organ Result	U ics (DRO) ( Qualifier	0.00398 GC) RL	mg/Kg Unit	<u>D</u>	Prepared Prepared	03/16/23 15:40 Analyzed	1
Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH	<0.00398 el Range Organ Result <49.9	U ics (DRO) ( Qualifier U	0.00398 GC) RL 49.9	mg/Kg		<u>`</u>	03/16/23 15:40	
Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies	<0.00398 el Range Organ Result <49.9 sel Range Orga	U ics (DRO) ( Qualifier U	0.00398 GC) RL 49.9	mg/Kg Unit		<u>`</u>	03/16/23 15:40 Analyzed	1
Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	<0.00398 el Range Organ Result <49.9 sel Range Orga	U ics (DRO) ( Qualifier U anics (DRO) Qualifier	0.00398 GC) RL 49.9	mg/Kg Unit mg/Kg	D	Prepared	03/16/23 15:40 Analyzed 03/09/23 11:59	1 Dil Fac 1
Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<0.00398 el Range Organ Result <49.9 sel Range Orga Result	U ics (DRO) ( Qualifier U anics (DRO) Qualifier U	0.00398 GC) RL 49.9 (GC) RL	mg/Kg Unit mg/Kg Unit	D	Prepared	03/16/23 15:40 Analyzed 03/09/23 11:59 Analyzed	1 Dil Fac
Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<0.00398 el Range Organ Result <49.9 sel Range Orga Result <49.9	U ics (DRO) ( Qualifier U anics (DRO) Qualifier U U	0.00398 GC) RL 49.9 (GC) RL 49.9	mg/Kg Unit mg/Kg Unit mg/Kg	D	Prepared Prepared 03/08/23 10:30	03/16/23 15:40 Analyzed 03/09/23 11:59 Analyzed 03/08/23 21:56	Dil Fac
	<0.00398 el Range Organ Result <49.9 sel Range Orga sel Range Orga Result <49.9 <49.9	U ics (DRO) ( Qualifier U encics (DRO) Qualifier U U U U	0.00398 GC) RL 49.9 (GC) RL 49.9 49.9 49.9	mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg	D	Prepared Prepared 03/08/23 10:30 03/08/23 10:30	03/16/23 15:40 Analyzed 03/09/23 11:59 Analyzed 03/08/23 21:56 03/08/23 21:56	Dil Fac

_								
Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble	•					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	80.8		4.96	mg/Kg			03/09/23 00:49	1

70 - 130

92

#### **Client Sample ID: SW04** Date Collected: 03/01/23 11:15

Date Received: 03/03/23 08:40

Sample Depth: 0-3'

o-Terphenyl

Method: SW846 8021B - Volat	ile Organic Comp	ounds (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

Eurofins Carlsbad

Page 95 of 203

Matrix: Solid

5

1

Matrix: Solid

03/08/23 10:30 03/08/23 21:56

Lab Sample ID: 890-4231-17

## **Client Sample Results**

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

Matrix: Solid

5

Lab Sample ID: 890-4231-17

## Client Sample ID: SW04

Date Collected: 03/01/23 11:15

Client: Ensolum

Date Received: 03/03/23 08:40 Sample Depth: 0-3'

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)			70 - 130			03/10/23 14:43	03/15/23 18:34	1
Method: TAL SOP Total BTEX -	• Total BTEX Calo	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			03/16/23 15:40	
Method: SW846 8015 NM - Dies	sel Range Organ	ics (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 - Di	esel Range Orga	nics (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
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/08/23 10:30	03/08/23 23:02	
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, lo	on Chromatograp	hy - Solubl	e					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	88.4		5.05	mg/Kg			03/09/23 00:54	1

Sample Depth: 0-4'

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 Cald	culation						
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
-	sol Pango Organ	ics (DRO) (	GC)					
Method: SW846 8015 NM - Die	esei Kange Organ	/						
Method: SW846 8015 NM - Die Analyte	• •	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Eurofins Carlsbad

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

Matrix: Solid

Lab Sample ID: 890-4231-18

Lab Sample ID: 890-4231-19

Analyzed

## **Client Sample ID: SW06**

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

Sample Depth: 0-4'

Client: Ensolum

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

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

## Date Collected: 03/01/23 12:15

Date Received: 03/03/23 08:40

#### Sample Depth: 0-4'

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 Unit Prepared RL D Total BTEX <0.00399 U 0.00399 03/16/23 15:40 mg/Kg

#### 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	<50.0	U	50.0	mg/Kg		03/08/23 10:30	03/08/23 23:45	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		03/08/23 10:30	03/08/23 23:45	1
C10-C28)								
Oll 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

**Eurofins Carlsbad** 

5

Dil Fac

1

Matrix: Solid

		Client	Sample Res	sults					1
Client: Ensolum Project/Site: Maverick Baish B Battery							Job ID: 890 SDG: 03E2		2
Client Sample ID: SW07 Date Collected: 03/01/23 12:15						Lab San	nple ID: 890-4 Matri	231-19 ix: Solid	
Date Received: 03/03/23 08:40 Sample Depth: 0-4'									4
Method: EPA 300.0 - Anions, Ion Ch Analyte		hy - Soluble Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	5
Chloride	69.3		5.00	mg/Kg		1100000	03/09/23 01:03	1	
									8
									9
									13

Eurofins Carlsbad

5 6

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

Prep Type: Total/NA

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

Matrix: Solid

Client: Ensolum

		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
890-4231-3 890-4231-4	FS03 FS04	86	91 88
890-4231-4 890-4231-5	FS04 FS05	80 50 S1-	
			125 97
890-4231-6	FS06	40 S1-	
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	93 94	105
LCSD 880-48332/2-A	Lab Control Sample Dup	94 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			

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Eurofins Carlsbad

Released to Imaging: 5/14/2024 11:22:06 AM

## **Surrogate Summary**

Page 100 of 203

5 6

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

Prep Type: Total/NA

#### Project/Site: Maverick Baish B Battery Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Client: Ensolum

				Percent Surro	ogate Recovery (Acceptance Lir
		1CO1	OTPH1		
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		
380-25357-A-22-C MS	Matrix Spike	115	111		
380-25357-A-22-D MSD	Matrix Spike Duplicate	105	106		
380-25537-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		
390-4231-2	FS02	115	120		
390-4231-3	FS03	103	116		
390-4231-4	FS04	101	93		
390-4231-5	FS05	109	105		
390-4231-6	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	99 129		
390-4231-11	FS12	87	129		
90-4231-13	FS13	3 S1-	5 S1-		
90-4231-14	SW01	0.7 S1-	0.7 S1-		
90-4231-15	SW02	0.8 S1-	0.4 S1-		
90-4231-16	SW03	86	92		
390-4231-16 MS	SW03	116	117		
390-4231-16 MSD	SW03	124	117		
390-4231-17	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	110	125		
		121	117		
MB 880-48107/1-A	Method Blank				
MB 880-48109/1-A	Method Blank	102	124		

#### Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 48192

Prep Batch: 48192

**Client Sample ID: Method Blank** 

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

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

	•
Matrix: Solid	

Project/Site: Maverick Baish B Battery

#### Matrix: Solid Analysis Batch: 48425

Client: Ensolum

	MB	MB						
Analyte	Result	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
	МВ	МВ						
Surrogate	%Recovery	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

	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%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

	LCS	LCS	
Surrogate	%Recovery	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								Prep Batch: 4		
	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	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	

	LCSD	LCSD	
Surrogate	%Recovery	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									Prep	p Batch: 48192
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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	

Eurofins Carlsbad

Prep Type: Total/NA

**Client Sample ID: Matrix Spike** 

MS MS

0.09862

0.2013

0.09902

**Result Qualifier** 

Unit

mg/Kg

mg/Kg

mg/Kg

Spike

Added

0.0998

0.200

0.0998

Limits 70 - 130

70 - 130

Client: Ensolum Project/Site: Maverick Baish B Battery

Lab Sample ID: 890-4215-A-1-B MS

Matrix: Solid

Analyte

o-Xylene

Surrogate

Ethylbenzene

m-Xylene & p-Xylene

Analysis Batch: 48425

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

Sample Sample

<0.00199

<0.00398 U

<0.00199 U

%Recovery

Result Qualifier

U

MS MS

98

105

Qualifier

Prep Type: Total/NA

Prep Batch: 48192

**Client Sample ID: Matrix Spike** 

%Rec

Limits

70 - 130

70 - 130

70 - 130

%Rec

98

100

98

D

# 2 3 4 5 6 7 8 9 10

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

**Client Sample ID: Method Blank** 

03/14/23 11:43

03/14/23 11:43

**Client Sample ID: Lab Control Sample** 

03/10/23 12:35

03/10/23 12:35

Prep Type: Total/NA

Prep Batch: 48320

#### Matrix: Solid Analysis Batch: 48425

Lab Sample ID: 890-4215-A-1-C MSD

Analysis Batch: 48425									Prep	Batch:	481 <mark>92</mark>	
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	<0.00199	U	0.100	0.09603		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	1
o-Xylene	<0.00199	U	0.100	0.09584		mg/Kg		94	70 - 130	3	35	

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

#### Lab Sample ID: MB 880-48320/5-A Matrix: Solid Analysis Batch: 48570

_	MB	MB					-	
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 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
	МВ	МВ						
Surrogate	%Recoverv	Qualifier	Limits			Prepared	Analyzed	Dil Fac

luorobenzene (Surr) 83	70 - 130
robenzene (Surr) 90	70 - 130
robenzene (Surr) 90	

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

	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%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

Eurofins Carlsbad

Prep Type: Total/NA

Prep Batch: 48320

1

Client: Ensolum Project/Site: Maverick Baish B Battery

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

Lab Sample ID: LCS 880-48	320/1-A						Client	Sample	ID: Lab Co	ontrol S	ample
Matrix: Solid									Prep 1	Type: To	tal/NA
Analysis Batch: 48570									Prep	Batch:	48320
			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
o-Xylene			0.100	0.09083		mg/Kg		91	70 - 130		
	LCS	LCS									
Surrogate	%Recovery		Limits								
4-Bromofluorobenzene (Surr)	97		70 - 130								
1,4-Difluorobenzene (Surr)	97		70 - 130								
-											
Lab Sample ID: LCSD 880-4	8320/2-A					Clie	nt San	ple ID: I	Lab Contro		
Matrix: Solid									Prep 1	Гуре: То	tal/NA
Analysis Batch: 48570									Prep	Batch:	48320
			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	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
	1000	LCSD									
Surrogate	%Recovery		Limits								
4-Bromofluorobenzene (Surr)			70 - 130								
1,4-Difluorobenzene (Surr)	105		70 - 130								
_											
Lab Sample ID: 880-25480-4	A-11-F MS							Client	Sample ID	: Matrix	Spike
Matrix: Solid										Type: To	
Analysis Batch: 48570										Batch:	
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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		0.0998	0.03566		mg/Kg		36	70 - 130		
m-Xylene & p-Xylene	< 0.00396		0.200	0.05862		mg/Kg		29	70 - 130		
o-Xylene	< 0.00198		0.0998	0.02939		mg/Kg		29	70 - 130		
,						0 0					
Sumo moto		MS	Limits								
Surrogate	%Recovery	S1-									
4-Bromofluorobenzene (Surr)		31-	70 - 130 70 - 130								
1,4-Difluorobenzene (Surr)	84		70 - 130								
Lab Sample ID: 880-25480-4	A-11-G MSD					С	lient Sa	ample IC	): Matrix Sp	oike Dup	olicate
Matrix: Solid										Type: To	
Analysis Batch: 48570										Batch:	
•	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	-	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00198		0.100	0.05128		mg/Kg		51	70 - 130	12	35
Toluene	< 0.00198		0.100	0.06096		mg/Kg		59	70 - 130	36	35
	<0.00198		0.100	0.07369				55 74		70	35
Ethylbenzene	<0.00198		0.100	0.07309	172	mg/Kg		74	70 - 130	70	30

35

35

Eurofins Carlsbad

89

89

70 - 130

70 - 130

76

76

Job ID: 890-4231-1

SDG: 03E2057054

<0.00396 U F1 F2

<0.00198 UF1F2

m-Xylene & p-Xylene

o-Xylene

0.200

0.100

0.1519 F2

0.07690 F2

mg/Kg

mg/Kg

Limits

70 - 130

70 - 130

Client: Ensolum Project/Site: Maverick Baish B Battery

Matrix: Solid

Surrogate

Analysis Batch: 48570

4-Bromofluorobenzene (Surr)

Lab Sample ID: MB 880-48332/5-A

1,4-Difluorobenzene (Surr)

Lab Sample ID: 880-25480-A-11-G MSD

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

MSD MSD %Recovery Qualifier

117

97

Prep Type: Total/NA

Prep Batch: 48320

**Client Sample ID: Matrix Spike Duplicate** 

**Client Sample ID: Method Blank** 

**Client Sample ID: Lab Control Sample** 

Prep Type: Total/NA

Prep Batch: 48332

7

Matrix: Solid Analysis Batch: 48639							Prep Type: <sup>-</sup> Prep Batcl		
-	MB	MB							
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 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	
	MB	МВ							1
Surrogate	%Recovery	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

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%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	

	LCS	LCS	
Surrogate	%Recovery	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	Contro	oi San	ipie D	up
		Prep '	Type:	Total/	NA

Analysis Batch: 48639									Prep	Batch:	48332
			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	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
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								

4-Bromofluorobenzene (Surr)	99	70 - 130

**Eurofins Carlsbad** 

Client: Ensolum Project/Site: Maverick Baish B Battery

## Method: 80

Method: 8021B - Volatile Org	anic Co	mpo	ounds (C	GC) (Conti	nued)								
Lab Sample ID: LCSD 880-48332/	2-A						Clien	t San	nple ID: La	ab Control	Sampl	e Dup	
Matrix: Solid										Prep Ty	ype: To	tal/NA	
Analysis Batch: 48639										Prep	Batch:	48332	
	LCSD	100	n										Ę
Surrogate	%Recovery			Limits									
1,4-Difluorobenzene (Surr)	90	Qua		70 - 130									
				101100									
Lab Sample ID: 890-4223-A-1-E M	IS								Client S	Sample ID:	Matrix	Spike	
Matrix: Solid										Prep Ty	ype: To	tal/NA	
Analysis Batch: 48639										Prep	Batch:	48332	
	Sample	Sam	ple	Spike	MS	MS				%Rec			
Analyte	Result	Qua	lifier	Added	Result	Qualifier	Unit	D	%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	UF1		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			
	MS	МS											
Surrogate	ws %Recovery		lifior	Limits									
4-Bromofluorobenzene (Surr)	111	Qua		70 - 130									
1,4-Difluorobenzene (Surr)	93			70 - 130 70 - 130									
				10-100									
Lab Sample ID: 890-4223-A-1-F M	SD						Cli	ent S	ample ID:	Matrix Sp	ike Dup	olicate	
Matrix: Solid										Prep Ty	-		
Analysis Batch: 48639										Prep	Batch:	48332	
	Sample	Sam	ple	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qua	lifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	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	UF1		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	
	MSD	MSD	)										
Surrogate	%Recovery	Qua	lifier	Limits									
4-Bromofluorobenzene (Surr)	109			70 - 130									
1,4-Difluorobenzene (Surr)	94			70 - 130									
Lab Sample ID: MB 880-48442/5-4	4								Client Sa	mple ID: N			
Matrix: Solid										Prep Ty			
Analysis Batch: 48426		<b>.</b>								Prep	Batch:	48442	
Arrelada	_		MB				_	_		<b>.</b> .			
Analyte			Qualifier			Unit	<u>D</u>	-	Prepared	Analyze		Dil Fac	
Benzene	<0.0	0200	U	0.002	00	mg/K	g	03/	13/23 08:00	03/13/23 1	1:59	1	

Analyte	Result	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
	МВ	МВ						
Surrogate	%Recovery	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

Eurofins Carlsbad

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 880-48	442/1-A						Client	Sample	ID: Lab Control Sample
Matrix: Solid									Prep Type: Total/NA
Analysis Batch: 48426									Prep Batch: 48442
			Spike	LCS	LCS				%Rec
Analyte			Added	Result	Qualifier	Unit	D	%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
	LCS	LCS							
Surrogate	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene (Surr)	90		70 - 130						
1,4-Difluorobenzene (Surr)	108		70 - 130						
Lab Sample ID: LCSD 880-4 Matrix: Solid	b Sample ID: LCSD 880-48442/2-A atrix: Solid					Clie	ent Sam	ple ID: I	Lab Control Sample Dup Prep Type: Total/NA

#### Analysis Batch: 48426

Analysis Batch: 48426							Prep Batch: 48442					
	Spike	LCSD	LCSD				%Rec		RPD			
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	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			

	LCSD	LCSD	
Surrogate	%Recovery	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

Analysis Batch: 48426										atch: 48442
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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	
	MS	MS								

	1110	1110	
Surrogate	%Recovery	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

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	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

**Eurofins Carlsbad** 

Prep Type: Total/NA

Prep Batch: 48442

5 6 7

**Client Sample ID: Matrix Spike** 

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

## Released to Imaging: 5/14/2024 11:22:06 AM

5

7

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

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

· · · · · · · · · · · · · · · · · · ·	ab Sample ID: 880-25394-A-3-G MSD								Client Sample ID: Matrix Spike Duplicate						
Matrix: Solid					Prep T	ype: To	tal/NA								
Analysis Batch: 48426									Prep	Batch:	48442				
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD				
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	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				
	MSD	MSD													
Surrogate	%Recovery	Qualifier	Limits												
4-Bromofluorobenzene (Surr)	97		70 - 130												
1,4-Difluorobenzene (Surr)	103		70 - 130												

Lab Sample ID: MB 880-47868/1- Matrix: Solid	Α					Client Sa	mple ID: Metho Prep Type: ⊺	
Analysis Batch: 47856							Prep Batch	n: <b>47868</b>
	МВ	МВ						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		03/06/23 08:24	03/06/23 08:33	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		03/06/23 08:24	03/06/23 08:33	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/06/23 08:24	03/06/23 08:33	1
	МВ	МВ						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane			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

o-Terphenyl

Γ.

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

70 - 130

125

	LCS		
Surrogate	%Recovery	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				Clier	nt Sam	nple ID:		ol Sampl Type: To Batch:	tal/NA
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	961.3		mg/Kg		96	70 - 130	10	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	912.4		mg/Kg		91	70 - 130	11	20
C10-C28)									

Eurofins Carlsbad

03/06/23 08:24

03/06/23 08:33

Prep Type: Total/NA

Prep Batch: 47868

**Client Sample ID: Lab Control Sample** 

Client: Ensolum Project/Site: Maverick Baish B Battery

Lab Sample ID: LCSD 880-47868/3-A

Lab Sample ID: 880-25357-A-22-C MS

Lab Sample ID: 880-25357-A-22-D MSD

Matrix: Solid

Surrogate 1-Chlorooctane

o-Terphenyl

Analyte

C10-C28)

Surrogate

o-Terphenyl

Analyte

C10-C28)

Surrogate 1-Chlorooctane

o-Terphenyl

1-Chlorooctane

Matrix: Solid

(GRO)-C6-C10

Matrix: Solid

(GRO)-C6-C10

Analysis Batch: 47856

Analysis Batch: 47856

Gasoline Range Organics

Diesel Range Organics (Over

Analysis Batch: 47856

Gasoline Range Organics

**Diesel Range Organics (Over** 

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

LCSD LCSD %Recovery Qualifier

Sample Sample

<49.9 U

<49.9 U

MS MS

Sample Sample

<49.9 U

<49.9 U

105

106

MSD MSD %Recovery Qualifier

Result Qualifier

%Recovery Qualifier

115

111

Result Qualifier

114

119

							: 03E20		
DRO) (GC) (	Continue	ed)							
			Clier	nt Sam	ple ID: I	Lab Contro	I Sample	e Dup	
							ype: To		
						Prep	Batch:	47868	5
									5
Limits 70 - 130									
70 - 130 70 - 130									
10-100									7
					Client	Sample ID			
							ype: To		8
Spike	MS	MS				Prep %Rec	Batch:	47868	
Added	Result	Qualifier	Unit	D	%Rec	Limits			9
998	999.6		mg/Kg		97	70 - 130			
998	1099		mg/Kg		110	70 - 130			
Limits									
70 - 130									10
70 - 130									13
			Cli	ent Sa	mple ID	): Matrix Sp	oike Dup	licate	
							ype: To		
							Batch:		
Spike	MSD	MSD	11 14		0/ <b>D</b> = =	%Rec		RPD	
Added	Result 1079	Qualifier	_ Unit mg/Kg	D	%Rec 105	Limits 70 - 130	8	Limit 20	
333	1073		mg/itg		100	70 - 150	0	20	
999	1050		mg/Kg		105	70 - 130	5	20	
Limits									
70 - 130									
70 - 130									

Lab Sample ID: MB 880-48015	/ <b>1-A</b>
Matrix: Solid	

#### Analysis Batch: 47992

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

Eurofins Carlsbad

**Client Sample ID: Method Blank** 

Prep Type: Total/NA

Prep Batch: 48015

Job ID: 890-4231-1
## **QC Sample Results**

Page 109 of 203

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

latrix: Solid	/ <b>2-A</b>								ID: Lab Co Prep 1	Гуре: То	
Analysis Batch: 47992										Batch:	
-			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics			1000	912.7		mg/Kg		91	70 - 130		
GRO)-C6-C10											
Diesel Range Organics (Over			1000	818.2		mg/Kg		82	70 - 130		
C10-C28)											
	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	101		70 - 130								
p-Terphenyl	89		70 - 130								
Lab Sample ID: LCSD 880-4801	15/3-A					Cliei	nt San	ipie ID: I	Lab Contro		
Matrix: Solid										Гуре: То	
Analysis Batch: 47992			o. "		1.005					Batch:	
an a bada			Spike		LCSD	11-2	_	0/ <b>F</b>	%Rec		RPD
Analyte			Added		Qualifier	Unit	D	%Rec	Limits		Limit
Gasoline Range Organics GRO)-C6-C10			1000	891.6		mg/Kg		89	70 - 130	2	20
GRO)-C6-C10 Diesel Range Organics (Over			1000	809.4		mg/Kg		81	70 - 130	1	20
C10-C28)			1000	009.4		myrry		01	70 - 150		20
		LCSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	95		70 - 130								
o-Terphenyl	84		70 - 130								
								Client	Sample ID	Matrix	Spike
Lab Sample ID: 880-25537-A-41	I-E MS							Client	Sample ID		
Lab Sample ID: 880-25537-A-41 Matrix: Solid	I-E MS							Client	Prep 1	Гуре: То	tal/NA
Lab Sample ID: 880-25537-A-41 Matrix: Solid		Samila	Snike	MS	MS			Client	Prep 1 Prep		tal/NA
Lab Sample ID: 880-25537-A-41 Matrix: Solid Analysis Batch: 47992	Sample	Sample	Spike Added		MS	Unit	п		Prep 1 Prep %Rec	Гуре: То	tal/NA
Lab Sample ID: 880-25537-A-41 Matrix: Solid Analysis Batch: 47992 Analyte	Sample Result	Qualifier	Added	Result	MS Qualifier	Unit	D	%Rec	Prep Prep %Rec Limits	Гуре: То	tal/NA
Lab Sample ID: 880-25537-A-41 Matrix: Solid Analysis Batch: 47992 Analyte Gasoline Range Organics	Sample	Qualifier	-			- <mark>Unit</mark> mg/Kg	D		Prep 1 Prep %Rec	Гуре: То	tal/NA
Lab Sample ID: 880-25537-A-41 Matrix: Solid Analysis Batch: 47992 Analyte Gasoline Range Organics GRO)-C6-C10	Sample Result	Qualifier	Added	Result		mg/Kg	<u> </u>	%Rec	Prep Prep %Rec Limits	Гуре: То	tal/NA
Lab Sample ID: 880-25537-A-41 Matrix: Solid Analysis Batch: 47992 Analyte Gasoline Range Organics	Sample Result <49.9	Qualifier	Added	<b>Result</b> 1051			D	<b>%Rec</b>	Prep Prep %Rec Limits 70 - 130	Гуре: То	tal/NA
Lab Sample ID: 880-25537-A-41 Matrix: Solid Analysis Batch: 47992 Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over	Sample Result <49.9 <49.9	Qualifier U U	Added	<b>Result</b> 1051		mg/Kg	<u>D</u>	<b>%Rec</b>	Prep Prep %Rec Limits 70 - 130	Гуре: То	tal/NA
Lab Sample ID: 880-25537-A-41 Matrix: Solid Analysis Batch: 47992 Analyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Sample Result <49.9 <49.9 MS	Qualifier U U MS	Added	<b>Result</b> 1051		mg/Kg	<u>D</u>	<b>%Rec</b>	Prep Prep %Rec Limits 70 - 130	Гуре: То	tal/NA
Lab Sample ID: 880-25537-A-41 Matrix: Solid Analysis Batch: 47992 Analyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate	Sample Result <49.9 <49.9 MS %Recovery	Qualifier U U MS	Added 999 999 Limits	<b>Result</b> 1051		mg/Kg	<u> </u>	<b>%Rec</b>	Prep Prep %Rec Limits 70 - 130	Гуре: То	tal/NA
Lab Sample ID: 880-25537-A-41 Matrix: Solid Analysis Batch: 47992 Analyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate I-Chlorooctane	Sample Result <49.9 <49.9 MS %Recovery 126	Qualifier U U MS	Added 999 999 <u>Limits</u> 70 - 130	<b>Result</b> 1051		mg/Kg	<u>D</u>	<b>%Rec</b>	Prep Prep %Rec Limits 70 - 130	Гуре: То	tal/NA
Lab Sample ID: 880-25537-A-41 Matrix: Solid Analysis Batch: 47992 Analyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate I-Chlorooctane	Sample Result <49.9 <49.9 MS %Recovery	Qualifier U U MS	Added 999 999 Limits	<b>Result</b> 1051		mg/Kg	<u>D</u>	<b>%Rec</b>	Prep 7 Prep %Rec Limits 70 - 130	Гуре: То	tal/NA
Lab Sample ID: 880-25537-A-41 Matrix: Solid Analysis Batch: 47992 Analyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate I-Chlorooctane D-Terphenyl	Sample Result <49.9 <49.9 MS %Recovery 126 107	Qualifier U U MS	Added 999 999 <u>Limits</u> 70 - 130	<b>Result</b> 1051		mg/Kg		%Rec 101 82	Prep 7 Prep %Rec Limits 70 - 130 70 - 130	Гуре: To 9 Batch: 	tal/NA 48015
Lab Sample ID: 880-25537-A-41 Matrix: Solid Analysis Batch: 47992 Analyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate I-Chlorooctane D-Terphenyl Lab Sample ID: 880-25537-A-41	Sample Result <49.9 <49.9 MS %Recovery 126 107	Qualifier U U MS	Added 999 999 <u>Limits</u> 70 - 130	<b>Result</b> 1051		mg/Kg		%Rec 101 82	Prep 7 Prep %Rec Limits 70 - 130 70 - 130 70 - 130	Type: To Batch: 	dal/NA 48015
Lab Sample ID: 880-25537-A-41 Matrix: Solid Analysis Batch: 47992 Analyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate I-Chlorooctane D-Terphenyl Lab Sample ID: 880-25537-A-41 Matrix: Solid	Sample Result <49.9 <49.9 MS %Recovery 126 107	Qualifier U U MS	Added 999 999 <u>Limits</u> 70 - 130	<b>Result</b> 1051		mg/Kg		%Rec 101 82	Prep 7 Prep % %Rec Limits 70 - 130 70 - 130 70 - 130 20: Matrix Sp Prep 7	Type: To Batch:  pike Dup Type: To	olicate
Lab Sample ID: 880-25537-A-41 Matrix: Solid Analysis Batch: 47992 Analyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate I-Chlorooctane D-Terphenyl Lab Sample ID: 880-25537-A-41	Sample Result <49.9 <49.9 MS %Recovery 126 107	Qualifier U MS Qualifier	Added 999 999 <u>Limits</u> 70 - 130 70 - 130	Result 1051 837.6	Qualifier	mg/Kg		%Rec 101 82	Prep Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 Prep	Type: To Batch: 	blicate tal/NA 48015
Lab Sample ID: 880-25537-A-41 Matrix: Solid Analysis Batch: 47992 Analyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate Analysis Batch: 47992	Sample Result <49.9 <49.9 MS %Recovery 126 107 I-F MSD Sample	Qualifier U MS Qualifier Sample	Added 999 999 <u>Limits</u> 70 - 130 70 - 130 Spike	Result 1051 837.6 MSD	Qualifier	mg/Kg mg/Kg Cl	ient Sa	%Rec 101 82	Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 190 %Rec	Dike Dup Dike Dup Dype: To Datch:	blicate tal/NA 48015
Lab Sample ID: 880-25537-A-41 Matrix: Solid Analysis Batch: 47992 Analyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate Analyte Lab Sample ID: 880-25537-A-41 Matrix: Solid Analysis Batch: 47992 Analyte	Sample Result <49.9 <49.9 MS %Recovery 126 107 I-F MSD	Qualifier U MS Qualifier Sample Qualifier	Added 999 999 <u>Limits</u> 70 - 130 70 - 130 Spike Added	Result           1051           837.6           MSD           Result	Qualifier	mg/Kg mg/Kg Cl		<u>%Rec</u> 101 82 ample IC	Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	Dike Dup Dike Dup Type: To Distribution Batch: 	blicate tal/NA 48015
Lab Sample ID: 880-25537-A-41 Matrix: Solid Analysis Batch: 47992 Analyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate Analyte De Terphenyl Lab Sample ID: 880-25537-A-41 Matrix: Solid Analysis Batch: 47992 Analyte Basoline Range Organics	Sample Result <49.9 <49.9 MS %Recovery 126 107 I-F MSD Sample	Qualifier U MS Qualifier Sample Qualifier	Added 999 999 <u>Limits</u> 70 - 130 70 - 130 Spike	Result 1051 837.6 MSD	Qualifier	mg/Kg mg/Kg Cl	ient Sa	%Rec 101 82	Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 190 %Rec	Dike Dup Dike Dup Dype: To Datch:	blicate tal/NA 48015
Lab Sample ID: 880-25537-A-41 Matrix: Solid Analysis Batch: 47992 Analyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate (-Chlorooctane D-Terphenyl Lab Sample ID: 880-25537-A-41 Matrix: Solid Analysis Batch: 47992 Analyte Basoline Range Organics GRO)-C6-C10	Sample Result <49.9 <49.9 MS %Recovery 126 107 I-F MSD	Qualifier U MS Qualifier Qualifier U	Added 999 999 <u>Limits</u> 70 - 130 70 - 130 Spike Added	Result           1051           837.6           MSD           Result           1056	Qualifier	mg/Kg mg/Kg Cl Unit mg/Kg	ient Sa	%Rec           101           82           ample IC           %Rec           102	Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	Dike Dup Dike Dup Type: To Distribution Batch: 	blicate tal/NA 48015
Lab Sample ID: 880-25537-A-41 Matrix: Solid Analysis Batch: 47992 Analyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate I-Chlorooctane D-Terphenyl Lab Sample ID: 880-25537-A-41 Matrix: Solid Analysis Batch: 47992 Analyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over	Sample Result <49.9 <49.9 MS %Recovery 126 107 I-F MSD	Qualifier U MS Qualifier Qualifier U	Added 999 999 <u>Limits</u> 70 - 130 70 - 130 70 - 130 Spike Added 999	Result           1051           837.6           MSD           Result	Qualifier	mg/Kg mg/Kg Cl	ient Sa	<u>%Rec</u> 101 82 ample IC	Prep %Rec Limits 70 - 130 70 - 130 70 - 130 0: Matrix Sp Prep %Rec Limits 70 - 130	Dike Dup Type: To De Batch: Batch: RPD 1	blicate tal/NA 48015
Lab Sample ID: 880-25537-A-41 Matrix: Solid Analysis Batch: 47992 Analyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate I-Chlorooctane D-Terphenyl Lab Sample ID: 880-25537-A-41 Matrix: Solid Analysis Batch: 47992 Analyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over	Sample Result <49.9 <49.9 <i>MS</i> %Recovery 126 107 I-F MSD	Qualifier U MS Qualifier Qualifier U U	Added 999 999 <u>Limits</u> 70 - 130 70 - 130 70 - 130 Spike Added 999	Result           1051           837.6           MSD           Result           1056	Qualifier	mg/Kg mg/Kg Cl Unit mg/Kg	ient Sa	%Rec           101           82           ample IC           %Rec           102	Prep %Rec Limits 70 - 130 70 - 130 70 - 130 0: Matrix Sp Prep %Rec Limits 70 - 130	Dike Dup Type: To De Batch: Batch: RPD 1	blicate tal/NA 48015
Lab Sample ID: 880-25537-A-41 Matrix: Solid Analysis Batch: 47992 Analyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate Analyte De Terphenyl Lab Sample ID: 880-25537-A-41 Matrix: Solid Analysis Batch: 47992 Analyte Basoline Range Organics	Sample Result <49.9 <49.9 <i>MS</i> %Recovery 126 107 I-F MSD	Qualifier U MS Qualifier Qualifier U	Added 999 999 <u>Limits</u> 70 - 130 70 - 130 70 - 130 Spike Added 999	Result           1051           837.6           MSD           Result           1056	Qualifier	mg/Kg mg/Kg Cl Unit mg/Kg	ient Sa	%Rec           101           82           ample IC           %Rec           102	Prep %Rec Limits 70 - 130 70 - 130 70 - 130 0: Matrix Sp Prep %Rec Limits 70 - 130	Dike Dup Type: To De Batch: Batch: RPD 1	blicate tal/NA 48015

Eurofins Carlsbad

Client: Ensolum

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

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

Matrix: Solid	1-F MSD						Clie	nt Sa	ample ID:	Matrix Spik Prep Typ	-	
Analysis Batch: 47992										Prep B	atch:	4801
	MSD M	SD										
Surrogate	%Recovery Q	ualifier	Limits									
o-Terphenyl	106		70 - 130									
Lab Sample ID: MB 880-48107	/ <b>1-A</b>								<b>Client Sa</b>	ample ID: Me	ethod	Blan
Matrix: Solid										Ргер Тур	be: To	tal/N/
Analysis Batch: 48081										Prep B	atch:	4810 <sup>°</sup>
	Μ	B MB										
Analyte	Resu	It Qualifier	· RL		Unit		D	P	repared	Analyzed		Dil Fa
Gasoline Range Organics	<50	.0 U	50.0	-	mg/K	g	_	03/0	8/23 10:30	03/08/23 20:	50	
(GRO)-C6-C10												
Diesel Range Organics (Over	<50	.0 U	50.0		mg/K	g		03/0	8/23 10:30	03/08/23 20:	50	
C10-C28)	-50	0.11	50.0		···· ·· //	·		00/0	0/00 40.00	02/00/02 00	50	
Oll Range Organics (Over C28-C36)	<50	.0 U	50.0		mg/K	g		03/0	8/23 10:30	03/08/23 20:	50	
	N	B MB										
Surrogate	%Recove	ry Qualifie	r Limits					P	repared	Analyzed		Dil Fa
1-Chlorooctane			70 - 130					03/0	8/23 10:30	03/08/23 20:	50	
o-Terphenyl	1:	10	70 - 130					03/0	8/23 10:30	03/08/23 20:	50	
			Spike	LCS	LCS			lient	-	Prep Typ Prep B %Rec		
Analysis Batch: 48081 Analyte			Spike Added		LCS Qualifier	Unit			% <b>Rec</b>	Prep B		
Matrix: Solid Analysis Batch: 48081 Analyte Gasoline Range Organics (GRO)-C6-C10			Added	Result		Unit mg/Kg				Prep B %Rec Limits		
Analysis Batch: 48081 Analyte Gasoline Range Organics			Added	Result						Prep B %Rec Limits		
Analysis Batch: 48081 Analyte Gasoline Range Organics (GRO)-C6-C10			Added	Result 951.6		mg/Kg			95	Prep B %Rec Limits 70 - 130		
Analysis Batch: 48081 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over		 	Added	Result 951.6		mg/Kg			95	Prep B %Rec Limits 70 - 130		
Analysis Batch: 48081 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	LCS		Added	Result 951.6		mg/Kg			95	Prep B %Rec Limits 70 - 130		
Analysis Batch: 48081 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over			Added 1000 1000	Result 951.6		mg/Kg			95	Prep B %Rec Limits 70 - 130		
Analysis Batch: 48081 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane	%Recovery Q		Added 1000 1000 <i>Limits</i>	Result 951.6		mg/Kg			95	Prep B %Rec Limits 70 - 130		
Analysis Batch: 48081 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl	%Recovery Q 105 116		Added 1000 1000 <u>Limits</u> 70 - 130	Result 951.6		mg/Kg mg/Kg		<u> </u>	95 121	Prep B           %Rec           Limits           70 - 130           70 - 130	atch:	4810
Analysis Batch: 48081 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-481	%Recovery Q 105 116		Added 1000 1000 <u>Limits</u> 70 - 130	Result 951.6		mg/Kg mg/Kg		<u> </u>	95 121	Prep B           %Rec           Limits           70 - 130           70 - 130	atch:	4810 
Analysis Batch: 48081 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-481 Matrix: Solid	%Recovery Q 105 116		Added 1000 1000 <u>Limits</u> 70 - 130	Result 951.6		mg/Kg mg/Kg		<u> </u>	95 121	Prep B %Rec Limits 70 - 130 70 - 130 70 - 130 ab Control S Prep Typ	Samploe: To	4810 e Duj tal/N/
Analysis Batch: 48081 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-481	%Recovery Q 105 116		Added 1000 1000 <u>Limits</u> 70 - 130 70 - 130	<b>Result</b> 951.6 1208	Qualifier	mg/Kg mg/Kg		<u> </u>	95 121	Prep B %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 Prep Typ Prep B	Samploe: To	4810 e Duj tal/N/ 4810
Analysis Batch: 48081 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-481 Matrix: Solid Analysis Batch: 48081	%Recovery Q 105 116		Added 1000 1000 Limits 70 - 130 70 - 130 70 - 130	<b>Result</b> 951.6 1208 LCSD	Qualifier	mg/Kg mg/Kg Cl		Sam	95 121	Prep B %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 8 8 8 9 7 9 7 9 7 9 7 9 7 9 7 9 7 9 7 9	atch:  Sampl be: To atch:	e Dup tal/N/ 48107 RPI
Analysis Batch: 48081 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-481 Matrix: Solid Analysis Batch: 48081 Analyte	%Recovery Q 105 116		Added 1000 1000 <i>Limits</i> 70 - 130 70 - 130 70 - 130	Result 951.6 1208 LCSD Result	Qualifier LCSD Qualifier	mg/Kg mg/Kg Cl		<u> </u>	95 121 pple ID: L	Prep B %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	Sampl De: To atch:	48107 e Dur tal/N/ 48107 RPI Limi
Analysis Batch: 48081 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-481 Matrix: Solid Analysis Batch: 48081 Analyte Gasoline Range Organics (GRO)-C6-C10	%Recovery Q 105 116		Added 1000 1000 <i>Limits</i> 70 - 130 70 - 130 70 - 130 Spike Added 1000	Result           951.6           1208           LCSD           Result           941.9	Qualifier LCSD Qualifier	CI Unit mg/Kg		Sam	95 121 <b>ople ID: L</b> <u>%Rec</u> 94	Prep B %Rec Limits 70 - 130 70 - 130 70 - 130 ab Control S Prep Typ Prep B %Rec Limits 70 - 130	Sampl be: To atch: <u>RPD</u> 1	e Du tal/N/ 4810 RPI Lim 2
Analysis Batch: 48081 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-481 Matrix: Solid Analysis Batch: 48081 Analysis Batch: 48081 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	%Recovery Q 105 116		Added 1000 1000 <i>Limits</i> 70 - 130 70 - 130 70 - 130	Result 951.6 1208 LCSD Result	Qualifier LCSD Qualifier	mg/Kg mg/Kg Cl		Sam	95 121 pple ID: L	Prep B %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	Sampl De: To atch:	e Du tal/N/ 4810 RPI Lim 2
Analysis Batch: 48081 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-481 Matrix: Solid Analysis Batch: 48081 Analyte Gasoline Range Organics	%Recovery Q 105 116	ualifier	Added 1000 1000 <i>Limits</i> 70 - 130 70 - 130 70 - 130 Spike Added 1000	Result           951.6           1208           LCSD           Result           941.9	Qualifier LCSD Qualifier	CI Unit mg/Kg		Sam	95 121 <b>ople ID: L</b> <u>%Rec</u> 94	Prep B %Rec Limits 70 - 130 70 - 130 70 - 130 ab Control S Prep Typ Prep B %Rec Limits 70 - 130	Sampl be: To atch: <u>RPD</u> 1	4810 e Duj tal/N/ 4810 RPI Limi 2
Analysis Batch: 48081 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-481 Matrix: Solid Analysis Batch: 48081 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<u>%Recovery</u> <u>Q</u> 105 116 07/3-A	ualifier	Added 1000 1000 <i>Limits</i> 70 - 130 70 - 130 70 - 130 Spike Added 1000	Result           951.6           1208           LCSD           Result           941.9	Qualifier LCSD Qualifier	CI Unit mg/Kg		Sam	95 121 <b>ople ID: L</b> <u>%Rec</u> 94	Prep B %Rec Limits 70 - 130 70 - 130 70 - 130 ab Control S Prep Typ Prep B %Rec Limits 70 - 130	Sampl be: To atch: <u>RPD</u> 1	e Dup tal/N/ 48107 RPI
Analysis Batch: 48081 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-481 Matrix: Solid Analysis Batch: 48081 Analysis Batch: 48081 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<u>%Recovery</u> <u>Q</u> 105 116 07/3-A 	ualifier	Added           1000           1000           1000           1000           1000           70 - 130           70 - 130           70 - 130           1000           1000           1000	Result           951.6           1208           LCSD           Result           941.9	Qualifier LCSD Qualifier	CI Unit mg/Kg		Sam	95 121 <b>ople ID: L</b> <u>%Rec</u> 94	Prep B %Rec Limits 70 - 130 70 - 130 70 - 130 ab Control S Prep Typ Prep B %Rec Limits 70 - 130	Sampl be: To atch: <u>RPD</u> 1	48107 e Dug tal/N/ 48107 RPI Limi 20

**Released to Imaging: 5/14/2024 11:22:06 AM** 

## QC Sample Results

MS MS

MSD MSD

1008

988.9

Result Qualifier

Unit

mg/Kg

mg/Kg

D

%Rec

97

99

Spike

Added

998

998

Limits

70 - 130

70 - 130

Spike

Client: Ensolum Project/Site: Maverick Baish B Battery

Lab Sample ID: 890-4231-16 MS

Lab Sample ID: 890-4231-16 MSD

Matrix: Solid

(GRO)-C6-C10

C10-C28)

Surrogate

o-Terphenyl

1-Chlorooctane

Matrix: Solid

Analysis Batch: 48081

Analyte

Analysis Batch: 48081

Gasoline Range Organics

Diesel Range Organics (Over

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

Sample Sample

<49.9 U

<49.9 U

116

117

MS MS %Recovery Qualifier

Sample Sample

124

Result Qualifier

**Client Sample ID: SW03** 

%Rec

Limits

70 - 130

70 - 130

Prep Type: Total/NA

Prep Batch: 48107

5
7
8
9

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

	гіер	Daten.	40107
	%Rec		RPD
ec	Limits	RPD	Limit

**Client Sample ID: Method Blank** 

03/08/23 20:50

Prep Type: Total/NA

Prep Batch: 48109

**Client Sample ID: Lab Control Sample** 

03/08/23 10:34

Prep Type: Total/NA

Prep Batch: 48109

Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	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
	MSD	MSD									

Surrogate	%Recovery	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

-	МВ	MB						
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 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
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/08/23 10:34	03/08/23 20:50	1
	МВ	МВ						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130			03/08/23 10:34	03/08/23 20:50	1

70 - 130

## Lab Sample ID: LCS 880-48109/2-A Matrix: Solid Analysis Batch: 48083

o-Terphenyl

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1190		mg/Kg		119	70 - 130	 
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1034		mg/Kg		103	70 - 130	
C10-C28)								

Eurofins Carlsbad

## **QC Sample Results**

Client: Ensolum Project/Site: Maverick Baish B Battery

Lab Sample ID: LCS 880-48109/2-A

Lab Sample ID: LCSD 880-48109/3-A

Matrix: Solid

Surrogate 1-Chlorooctane

o-Terphenyl

Analyte

C10-C28)

Surrogate

o-Terphenyl

C10-C28)

1-Chlorooctane

Matrix: Solid

Analysis Batch: 48083

Analysis Batch: 48083

Gasoline Range Organics (GRO)-C6-C10

Diesel Range Organics (Over

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

LCS LCS %Recovery Qualifier

84

98

LCSD LCSD

%Recovery Qualifier

81

	•						1.1.1	D. 000 4	004 4	
								D: 890-4		
							SDG	: 03E20	57054	2
s (C	ORO) (GC) (0	Continue	ed)							2
	/ / / /		,							5
					Client	Sample	ID: Lab C			
								Type: Tot		4
							Prep	Batch:	48109	-
										5
	Limits									
	70 - 130									0
	70 - 130									
				0						7
				Clier	nt Sam	ipie iD: i	Lab Contro			
								Type: To		8
	0	1.000	1.000					Batch:		
	Spike	LCSD		11	_	0/ D	%Rec		RPD	9
	Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
	1000	1057		mg/Kg		106	70 - 130	12	20	10
	1000	857.9		mg/Kg		86	70 - 130	19	20	
										11
										12
	Limits									
	70 - 130									

70 _ 130		

Lab Sample ID: 890-4231-8 MS Matrix: Solid Analysis Batch: 48083									Prep Ty	nple ID: FS08 /pe: Total/NA Batch: 48109
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	1010		mg/Kg		101	70 - 130	
Diesel Range Organics (Over	<50.0	U	1000	1068		mg/Kg		107	70 - 130	

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	119		70 - 130
o-Terphenyl	134	S1+	70 - 130

Lab Sample ID: 890-4231-8 MS Matrix: Solid Analysis Batch: 48083	SD									nple ID: ype: To Batch:	tal/NA
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	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
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								

Surrogate	%Recovery Q	ualifier	Limits
1-Chlorooctane	106		70 - 130
o-Terphenyl	121		70 - 130

Client: Ensolum

## **QC Sample Results**

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

Project/Site: Maverick Baish B Battery Method: 300.0 - Anions, Ion Chromatography

									Client S	Sample ID: N		
Matrix: Solid										Prep 7	Type: So	olubl
Analysis Batch: 48158												
		MB MB										
Analyte	R	esult Qualifier		RL	Unit		D	Р	repared	Analyze	ed	Dil Fa
Chloride	~	<5.00 U		5.00	mg/K	g				03/08/23 2	22:43	
							0		0			
Lab Sample ID: LCS 880-48060/2-4 Matrix: Solid	•						Cile	ent	Sample	ID: Lab Co Prep 1	Type: So	
Analysis Batch: 48158										Tiop	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Analysis Baton: 40100			Spike	LCS	LCS					%Rec		
Analyte			Added		Qualifier	Unit		D	%Rec	Limits		
Chloride			250	273.7		mg/Kg		_	109	90 - 110		
						0 0						
Lab Sample ID: LCSD 880-48060/3	<b>-A</b>					CI	ient S	am	ple ID:	Lab Control		
Matrix: Solid										Prep 1	Type: So	olubl
Analysis Batch: 48158												
			Spike	LCSD	LCSD					%Rec		RP
Analyte			Added		Qualifier	Unit		D	%Rec	Limits	RPD	Lim
Chloride			250	274.0		mg/Kg			110	90 - 110	0	2
Lab Sample ID: 890-4231-1 MS										Client San	nnle ID:	ES(
Matrix: Solid											Type: So	
Analysis Batch: 48158										Trop	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	orab
Analysis Baton: 40100	Sample	Sample	Spike	MS	MS					%Rec		
Analyte		Qualifier	Added	Result	Qualifier	Unit		D	%Rec	Limits		
	53.7		249					_		00 440		
Chloride	00.1		249	323.3		mg/Kg			108	90 _ 110		
-	00.1		249	323.3		шу/ку			108			
Lab Sample ID: 890-4231-1 MSD	00.1		249	323.3		ilig/Kg			108	Client San		
Lab Sample ID: 890-4231-1 MSD Matrix: Solid	00.1		249	323.3		ing/Kg			108	Client San	nple ID: Type: Se	
Chloride Lab Sample ID: 890-4231-1 MSD Matrix: Solid Analysis Batch: 48158						ing/Kg			108	Client San Prep ⊺		olubl
Lab Sample ID: 890-4231-1 MSD Matrix: Solid Analysis Batch: 48158	Sample	Sample	Spike	MSD	MSD					Client San Prep T %Rec	Type: So	olubl RP
Lab Sample ID: 890-4231-1 MSD Matrix: Solid Analysis Batch: 48158 Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit		D	%Rec	Client San Prep %Rec Limits	RPD	olubl RP Lim
Lab Sample ID: 890-4231-1 MSD Matrix: Solid Analysis Batch: 48158 Analyte	Sample	•	Spike	MSD				D		Client San Prep T %Rec	Type: So	olubi RP Lim
Lab Sample ID: 890-4231-1 MSD Matrix: Solid Analysis Batch: 48158 Analyte Chloride	Sample Result	•	Spike Added	MSD Result		Unit		D	%Rec	Client San Prep %Rec Limits 90 - 110	RPD	olub RP Lim
Lab Sample ID: 890-4231-1 MSD Matrix: Solid Analysis Batch: 48158 Analyte Chloride Lab Sample ID: 890-4231-11 MS	Sample Result	•	Spike Added	MSD Result		Unit		D	%Rec	Client San Prep 7 %Rec Limits 90 - 110 Client San	RPD 0 nple ID:	RP Lim 2 : FS1
Lab Sample ID: 890-4231-1 MSD Matrix: Solid Analysis Batch: 48158 Analyte Chloride Lab Sample ID: 890-4231-11 MS Matrix: Solid	Sample Result	•	Spike Added	MSD Result		Unit		D	%Rec	Client San Prep 7 %Rec Limits 90 - 110 Client San	RPD	RP Lim 2 : FS1
Lab Sample ID: 890-4231-1 MSD Matrix: Solid Analysis Batch: 48158 Analyte Chloride Lab Sample ID: 890-4231-11 MS	Sample Result 53.7	•	Spike Added	MSD Result 323.0		Unit		D	%Rec	Client San Prep 7 %Rec Limits 90 - 110 Client San	RPD 0 nple ID:	RP Lim 2 : FS1
Lab Sample ID: 890-4231-1 MSD Matrix: Solid Analysis Batch: 48158 Analyte Chloride Lab Sample ID: 890-4231-11 MS Matrix: Solid	Sample Result 53.7 Sample	Qualifier	Spike Added 249	MSD Result 323.0 MS	Qualifier	Unit		D	%Rec	Client San Prep 7 %Rec Limits 90 - 110 Client San Prep 7	RPD 0 nple ID:	RPI Lim 2 : FS1
Lab Sample ID: 890-4231-1 MSD Matrix: Solid Analysis Batch: 48158 Analyte Chloride Lab Sample ID: 890-4231-11 MS Matrix: Solid Analysis Batch: 48158	Sample Result 53.7 Sample	Qualifier Sample Qualifier	Spike Added 249 –	MSD Result 323.0 MS	Qualifier MS Qualifier	- <mark>Unit</mark> mg/Kg			%Rec 108	Client San Prep %Rec Limits 90 - 110 Client San Prep	RPD 0 nple ID:	RPI Lim 2 : FS1
Lab Sample ID: 890-4231-1 MSD Matrix: Solid Analysis Batch: 48158 Analyte Chloride Lab Sample ID: 890-4231-11 MS Matrix: Solid Analysis Batch: 48158 Analyte Chloride	Sample Result 53.7 Sample Result	Qualifier Sample Qualifier	Spike Added 249 Spike Added	MSD Result 323.0 MS Result	Qualifier MS Qualifier	Unit mg/Kg			%Rec 108 %Rec	Client San Prep %Rec Limits 90 - 110 Client Sar Prep %Rec Limits 90 - 110	RPD 0 nple ID: Type: So	elubi RP Lim 2 : FS1 olubi
Lab Sample ID: 890-4231-1 MSD Matrix: Solid Analysis Batch: 48158 Analyte Chloride Lab Sample ID: 890-4231-11 MS Matrix: Solid Analysis Batch: 48158 Analyte Chloride Lab Sample ID: 890-4231-11 MSD	Sample Result 53.7 Sample Result	Qualifier Sample Qualifier	Spike Added 249 Spike Added	MSD Result 323.0 MS Result	Qualifier MS Qualifier	Unit mg/Kg			%Rec 108 %Rec	Client San Prep 7 %Rec Limits 90 - 110 Client Sar Prep 7 %Rec Limits 90 - 110 Client Sar	Type: So RPD 0 nple ID: Type: So 	r FS1
Lab Sample ID: 890-4231-1 MSD Matrix: Solid Analysis Batch: 48158 Analyte Chloride Lab Sample ID: 890-4231-11 MS Matrix: Solid Analysis Batch: 48158 Analyte Chloride Lab Sample ID: 890-4231-11 MSD Matrix: Solid	Sample Result 53.7 Sample Result	Qualifier Sample Qualifier	Spike Added 249 Spike Added	MSD Result 323.0 MS Result	Qualifier MS Qualifier	Unit mg/Kg			%Rec 108 %Rec	Client San Prep 7 %Rec Limits 90 - 110 Client Sar Prep 7 %Rec Limits 90 - 110 Client Sar	RPD 0 nple ID: Type: So	r FS1
Lab Sample ID: 890-4231-1 MSD Matrix: Solid Analysis Batch: 48158 Analyte Chloride Lab Sample ID: 890-4231-11 MS Matrix: Solid Analysis Batch: 48158 Analyte Chloride	Sample Result 53.7 Sample Result 158	Qualifier Sample Qualifier F1	Spike Added 249 Spike Added 249	MSD Result 323.0 MS Result 345.7	Qualifier MS Qualifier F1	Unit mg/Kg			%Rec 108 %Rec	Client San Prep %Rec Limits 90 - 110 Client San Prep %Rec Limits 90 - 110 Client San Prep	Type: So RPD 0 nple ID: Type: So 	RPI Limi 2: : FS1: oluble
Lab Sample ID: 890-4231-1 MSD Matrix: Solid Analysis Batch: 48158 Analyte Chloride Lab Sample ID: 890-4231-11 MS Matrix: Solid Analysis Batch: 48158 Analyte Chloride Lab Sample ID: 890-4231-11 MSD Matrix: Solid	Sample Result 53.7 Sample Result 158 Sample	Qualifier Sample Qualifier	Spike Added 249 Spike Added	MSD Result 323.0 MS Result 345.7 MSD	Qualifier MS Qualifier	Unit mg/Kg			%Rec 108 %Rec	Client San Prep 7 %Rec Limits 90 - 110 Client Sar Prep 7 %Rec Limits 90 - 110 Client Sar	Type: So RPD 0 nple ID: Type: So 	RPI Limi 20 : FS11 oluble

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	Ргер Туре	Matrix	Method	Prep Batch
390-4231-4	FS04	Total/NA	Solid	5035	
90-4231-5	FS05	Total/NA	Solid	5035	
90-4231-6	FS06	Total/NA	Solid	5035	
IB 880-48192/5-A	Method Blank	Total/NA	Solid	5035	
CS 880-48192/1-A	Lab Control Sample	Total/NA	Solid	5035	
CSD 880-48192/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
90-4215-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
90-4215-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	
ep Batch: 48320					
ab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
90-4231-10	FS10	Total/NA	Solid	5035	
90-4231-15	SW02	Total/NA	Solid	5035	
B 880-48320/5-A	Method Blank	Total/NA	Solid	5035	
CS 880-48320/1-A	Lab Control Sample	Total/NA	Solid	5035	

Total/NA

Total/NA

Total/NA

Solid

Solid

Solid

5035

5035

5035

#### Prep Batch: 48332

LCSD 880-48320/2-A

880-25480-A-11-F MS

880-25480-A-11-G MSD

Lab Control Sample Dup

Matrix Spike Duplicate

Matrix Spike

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

Eurofins Carlsbad

Client: Ensolum Project/Site: Maverick Baish B Battery

## 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	Ргер Туре	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

Eurofins Carlsbad

Page 115 of 203

Job ID: 890-4231-1

SDG: 03E2057054

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

## GC VOA (Continued)

## Analysis Batch: 48570 (Continued)

Lab Sample ID 880-25480-A-11-G MSD	Client Sample ID Matrix Spike Duplicate	Prep Type Total/NA	Matrix Solid	Method 8021B	Prep Batch 48320	
Analysis Batch: 48639						
Lab Sample ID	Client Semple ID	Bron Turne	Motrix	Mathad	Bron Botob	

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
380-25480-A-11-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	48320
nalysis 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	Ргер Туре	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

Eurofins Carlsbad

Page 116 of 203

Client: Ensolum Project/Site: Maverick Baish B Battery

## GC Semi VOA (Continued)

## Analysis Batch: 47992 (Continued)

Lab Sample ID	Client Sample ID	Ргер Туре	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	
000-20001-/ (-+ I-L INO			Solid	8015NM Prep	

Lab Sample ID	Client Sample ID	Ргер Туре	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

Eurofins Carlsbad

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

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	8
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	
rep Batch: 48107						
Lab Sample ID	Client Sample ID	Ргер Туре	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		

#### Prep Batch: 48107

Lab Sample ID	Client Sample ID	Ргер Туре	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	Ргер Туре	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	

Eurofins Carlsbad

Client: Ensolum Project/Site: Maverick Baish B Battery

## 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	4
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	Ргер Туре	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

Page 119 of 203

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

5

9

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

## Lab Sample ID: 890-4231-1 Matrix: Solid

Lab Sample ID: 890-4231-2

Lab Sample ID: 890-4231-3

Lab Sample ID: 890-4231-4

Matrix: Solid

Matrix: Solid

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

**Client Sample ID: FS01** 

Client: Ensolum

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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

**Eurofins Carlsbad** 

Matrix: Solid

Released to Imaging: 5/14/2024 11:22:06 AM

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

## Lab Sample ID: 890-4231-4 Matrix: Solid

Lab Sample ID: 890-4231-5

#### Date Collected: 02/28/23 11:35 Date Received: 03/03/23 08:40

**Client Sample ID: FS04** 

Client: Ensolum

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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

> 11 12 13

# Lab Sample ID: 890-4231-6

Lab Sample ID: 890-4231-7

Matrix: Solid

Matrix: Solid

Matrix: Solid

## Lab Chronicle

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

## Lab Sample ID: 890-4231-7 Matrix: Solid

Lab Sample ID: 890-4231-8

Lab Sample ID: 890-4231-9

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

**Client Sample ID: FS07** 

Client: Ensolum

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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

Lab Sample ID: 890-4231-10 Matrix: Solid

## Date Received: 03/03/23 08:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	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

**Eurofins Carlsbad** 

Page 122 of 203

Matrix: Solid

Matrix: Solid

9

## Released to Imaging: 5/14/2024 11:22:06 AM

Batch

Туре

Prep

Analysis

Analysis

Analysis

Analysis

Analysis

Leach

Prep

Batch

Method

5035

8021B

Total BTEX

8015NM Prep

8015B NM

DI Leach

300.0

8015 NM

**Client Sample ID: FS11** 

Date Collected: 03/01/23 10:00

Date Received: 03/03/23 08:40

Client: Ensolum

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Soluble

Soluble

Initial

Amount

5.03 g

5 mL

10.00 g

1 uL

5.03 g

Final

Amount

5 mL

5 mL

10 mL

1 uL

50 mL

Batch

48332

48639

48540

48051

48109

48083

48060

48158

Number

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

# Lab Sample ID: 890-4231-11

Analyst

MNR

AJ

SM

Matrix: Solid

Lab

EET MID

EET MID

EET MID

Dil

1

1

1

1

1

Factor

Run

Date Collected: 03/01/23 09:40 Date Received: 03/03/23 08:40

**Client Sample ID: FS12** 

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	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

Date Received.	00/00/20 00.		
	Batch	Batch	

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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

Eurofins Carlsbad

Matrix: Solid

 03/09/23
 12:02
 SM
 EET MID

 03/08/23
 10:34
 AJ
 EET MID

 03/08/23
 23:45
 SM
 EET MID

 03/07/23
 14:28
 KS
 EET MID

 03/09/23
 00:05
 SMC
 EET MID

Prepared

or Analyzed

03/10/23 14:43

03/15/23 15:08

03/16/23 15:40

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

Lab Sample ID: 890-4231-13

Lab Sample ID: 890-4231-14

Matrix: Solid

una. Soliu

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

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

Lab Sample ID: 890-4231-15

Date Collected: 02/27/23 14:50 Date Received: 03/03/23 08:40

**Client Sample ID: SW01** 

Client: Ensolum

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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

**Eurofins Carlsbad** 

> 11 12 13

# Lab Sample ID: 890-4231-16

Matrix: Solid

Matrix: Solid

3/09/23 00:49 SMC EET MID Lab Sample ID: 890-4231-17

Matrix: Solid

## Lab Chronicle

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

Matrix: Solid

Matrix: Solid

Matrix: Solid

9

Lab Sample ID: 890-4231-17

Lab Sample ID: 890-4231-18

Lab Sample ID: 890-4231-19

## Client Sample ID: SW04 Date Collected: 03/01/23 11:15

Client: Ensolum

Date Received: 03/03/23 08:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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/Co	ertification Summary		
Client: Ensolum Project/Site: Maverick B	aish B Battery			Job ID: 890-4231-1 SDG: 03E2057054	2
Laboratory: Eurofin Unless otherwise noted, all ar		were covered under each acci	editation/certification below.		
Authority		Program	Identification Number	Expiration Date	
Texas The following analytes a the agency does not offe	are included in this report,	NELAP but the laboratory is not certifi	T104704400-22-25	06-30-23 ay include analytes for which	5
Analysis Method	Prep Method	Matrix	Analyte		
8015 NM		Solid	Total TPH		
Total BTEX		Solid	Total BTEX		
					8
					9
					10
					13

Eurofins Carlsbad

## **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
EPA = US	STM International Environmental Protection Agency		
SW846 = '	'Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Editior	, November 1986 And Its Updates.	
TAL SOP =	= TestAmerica Laboratories, Standard Operating Procedure		
	= Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440		

Eurofins Carlsbad

## Sample Summary

Client: Ensolum Project/Site: Maverick Baish B Battery

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'
390-4231-4	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'
390-4231-6	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'
390-4231-8	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'
390-4231-11	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'
390-4231-13	FS13	Solid	03/01/23 11:50	03/03/23 08:40	3'
390-4231-14	SW01	Solid	02/27/23 14:50	03/03/23 08:40	0-2'
390-4231-15	SW02	Solid	02/28/23 11:50	03/03/23 08:40	0-2'
390-4231-16	SW03	Solid	03/01/23 11:05	03/03/23 08:40	0-3'
390-4231-17	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'

PM

Received by OCD: 4/17/2024 12:35:00

**eurofins** 

Page

None: NO

Cool: Cool

HCL: HC

H2S04: H2

HaPOA: HP

NaHSOA: NABIS

Na2S2O3: NaSO3

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

**Sample Comments** 

Other:

**Preservative Codes** 

DI Water: H<sub>2</sub>O

MeOH: Me

HNO: HN

NaOH: Na

ADaPT

#### **Environment Testing** Work Order No: Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 Xenco EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199 www.xenco.com Work Order Comments Bill to: (if different) Josh Adams Project Manager: Josh Adams Program: UST/PST PRP Brownfields RRC Superfund Company Name: Ensolum, LLC Company Name: Ensolum, LLC State of Project: Address: 601 N Marienfeld St Suite 400 601 N Marienfeld St Suite 400 Address: Reporting: Level II C Level III PST/UST TRRP Level IV Midland, TX 79701 Midland, TX 79701 City, State ZIP: City, State ZIP: Deliverables: EDD Email: jadams@ensolum.com, dnikanorov@ensolum.com 303-517-8437 Phone: **ANALYSIS REQUEST** Maverick Baish B Battery **Turn Around** Project Name: Pres. Routine Rush 03E2057054 Project Number: Code Due Date: Lea County, NM Project Location: **Dmitry Nikanorov** TAT starts the day received by Sampler's Name: the lab, if received by 4:30pm PO# Parameters SAMPLE RECEIPT Temp Blank: Yes No Wet Ice. No Ves ô, 300. Thermometer ID: (Yes ) No Samples Received Intact: 00 9 (EPA: (N/A Correction Factor: 5 Cooler Custody Seals Yes No Yes No N/A X Temperature Reading: Sample Custody Seals: 890-4231 Chain of Custody CHLORIDES 3 BTEX (8021 Corrected Temperature .10 TPH (8015) Total Containers: Grab/ # of Date Time Depth Sample Identification Matrix Cont Sampled Sampled Comp s 2' х х х Comp 1 FS01 2/27/2023 13:50 . S 2/27/2023 13:55 2' Comp х х х 1 FS02 x х х S 2/27/2023 14:40 3.5 Comp 1 FS03 S х х 2/28/2023 11:35 2' Comp х FS04 1 s 2' х 11:40 Comp х х 2/28/2023 1 FS05 s 2' х 2/28/2023 11:45 Comp х х FS06 1 S 3/1/2023 8:00 4' Comp 1 х х х FS07 Comp **FS08** 3/1/2023 7:55 Х X 5 4' х S 3/1/2023 12:00 Comp х х FS09 1 3' Comp x х 2/28/2023 14:35 1 х S FS10 8RCRA 13PPM Texas 11 AI Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr TI Sn U V Zn Total 200.7 / 6010 200.8/6020: Hg: 1631 / 245.1 / 7470 / 7471 TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag TI U Circle Method(s) and Metal(s) to be analyzed 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) Received by: (Signature) Date/Time Relinguished by: (Signature) 841 .3.23 10 X

**Chain of Custody** 

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300

Revised Date: 08/25/2020 Rev. 2020 2

Date/Time

Received by OCD: 4/17/2024 12:35:00 PM

# 🔅 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	.xenc	o.con	n Page		
Project Manager:	Josh	Adams				Bill to: (i	f different)		Josh	Adams	6									W	lork O	rder	Commen	its	
Company Name:	Enso	lum, LLC			1	Compar	Company Name: Ensolum, LLC							Prog	ram: l	JST/PS	ST 🗌		Brow	vnfields	RRC	Superfund [			
Address:	601 N	601 N Marienfeld St Suite 400 Address:			i:		601 N Marienfeld St Suite 400							State of Project:											
City, State ZIP:	Midla	nd, TX 7	9701			City, Sta	City, State ZIP:			Midland, TX 79701 Reporting: Level II Level III PST/UST TRRP								Level IV							
Phone:		517-8437			Email	jadams	@enso	lum.c	om, d									Other:							
	-	Maverick		Patton		Around		_							YSIS	REC	UES	r					Pre	serva	tive Codes
Project Name:	<u> </u>		205705		Routine	Rus		Pres.		<u> </u>	<u> </u>						T	1	T	Γ	T		None: N		DI Water: H <sub>2</sub> C
Project Number:			_					Code															Cool: Co		MeOH: Me
Project Location:			County,		Due Date:		ius d hu													1			HCL: HC	-	HNO <sub>3</sub> : HN
Sampler's Name: PO #:		Dmiti	y Nikan	orov	TAT starts the lab, if re																		H2S04: H		NaOH: Na
SAMPLE RECE		Temp	Blank:	Yes No	Wet Ice:	Yes	No	Parameters										1	1				H <sub>3</sub> PO <sub>4</sub> : H		
Samples Received II		Yes		Thermometer				me	0.00														NaHSO <sub>4</sub>	NABIS	
Cooler Custody Seal		Yes N		Correction Ea				Ра	A: 3														Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	NaSO	3
Sample Custody Sea	als:	Yes N	o N/A	Temperatura	Reading:				Ē														Zn Aceta	te+NaC	DH: Zn
Total Containers:				Corrected Ter	mperature:					15)	(8021												NaOH+A	scorbic	Acid: SAPC
Sample Ider	ntificat	ion	Matrix	Date Sampled	Time Sampled	Depth	1 1	# of Cont	CHLORIDES (EPA: 300.0)	TPH (8015)	BTEX (8												Sa	mple C	Comments
FS1	1		s	3/1/2023	10:00	3.5'	Comp	1	x	x	x												_		
FS1	2		S	3/1/2023	9:40	3'	Comp	1	x	x	×				•						ļ	I			
FS1	3		S	3/1/2023	11:50	3'	Comp	1	x	x	×										<u> </u>				
SW	01		S	2/27/2023	14:50	0-2'	Comp	1	x	x	×								<u> </u>		L				
SWO	02		S	2/28/2023	11:50	0-2'	Comp	1	x	x	×														
SWO	03		S	3/1/2023	11:05	0-3'	Comp	1	x	x	×														
SWO	)4		S	3/1/2023	11:15	0-3'	Comp	1	x	x	x								-						
SWO	06		S	3/1/2023	12:10	0-4'	Comp	1	x	X	X						1								
SWO	07		S	3/1/2023	12:15	0-4'	Comp	1	x	x	x					_	-				-	-			
	-	D	#/														1				1				
Total 200.7 / 60 Circle Method(s) a	nd Me	1.4	be analy	zed	CRA 13PI TCLP/S	PLP 601	0: 8RC	RA	Sb A	s Ba	Be	Cd Cr	Co	Cu Pl	b Mn	Мо	Ni Se	e Ag	TIU		Hg:	1631	Na Sr TI /245.1/7		
Notice: Signature of this of service. Eurofins Xen- of Eurofins Xenco. A mir	no will be	liable only	for the cos	has solames to ta	shall not assur	ne any rest	onsibility	for any	losses	or expe	nses in	curred by	/ the cl	lent if s	uch loss	ses are	due to	circums	tances	beyond	the con	trol			
Relinquished by	y (Sig	nature)	0	Received	d by: (Signa	iture)			Date	/Time		Rel	inqui	shed	by: (Si	ignat	ure)		Rece	eived	by: (S	ignati	ure)	- 1	Date/Time
1 PN	/		Clu	CID				3.	3.2	38	340	2								_					
3												4					1								
5				1								6													

## Login Sample Receipt Checklist

Client: Ensolum

#### Login Number: 4231 List Number: 1 Creator: Stutzman, Amanda

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	

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

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

List Source: Eurofins Midland

List Creation: 03/06/23 12:04 PM

## Login Sample Receipt Checklist

Client: Ensolum

Login Number: 4231 List Number: 2 Creator: Kramer, Jessica

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	N/A	

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").

Eurofins Carlsbad Released to Imaging: 5/14/2024 11:22:06 AM



August 10, 2023

AIMEE COLE ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD, NM 88220

**RE: BAISH B BATTERY** 

Enclosed are the results of analyses for samples received by the laboratory on 08/03/23 12:29.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



Tamara Oldaker

Sample Received By:

#### Analytical Results For:

**ENSOLUM** AIMEE COLE **3122 NATIONAL PARKS HWY** CARLSBAD NM, 88220 Fax To: 08/03/2023 Sampling Date: 08/03/2023 08/10/2023 Sampling Type: Soil Project Name: **BAISH B BATTERY** Sampling Condition: Cool & Intact

#### Sample ID: FS 01 A @ 2.25' (H234126-01)

03D2057054

MAVERICK (32.817358-103.754432)

Received:

Reported:

Project Number:

Project Location:

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2023	ND	2.20	110	2.00	0.829	
Toluene*	<0.050	0.050	08/09/2023	ND	2.12	106	2.00	0.647	
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	2.00	99.8	2.00	0.388	
Total Xylenes*	<0.150	0.150	08/09/2023	ND	6.02	100	6.00	0.0395	
Total BTEX	<0.300	0.300	08/09/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/08/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	154	77.1	200	2.22	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	156	78.0	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					
Surrogate: 1-Chlorooctane	97.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101 9	% 49.1-14	8						

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:		
Received:	08/03/2023		Sampling Date:	08/03/2023
Reported:	08/10/2023		Sampling Type:	Soil
Project Name:	BAISH B BATTERY		Sampling Condition:	Cool & Intact
Project Number:	03D2057054		Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK ( 32.8173	358-103.754432)		

#### Sample ID: FS 07 A @ 4.25' (H234126-02)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2023	ND	2.20	110	2.00	0.829	
Toluene*	<0.050	0.050	08/09/2023	ND	2.12	106	2.00	0.647	
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	2.00	99.8	2.00	0.388	
Total Xylenes*	<0.150	0.150	08/09/2023	ND	6.02	100	6.00	0.0395	
Total BTEX	<0.300	0.300	08/09/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/08/2023	ND	416	104	400	7.41	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	154	77.1	200	2.22	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	156	78.0	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					
Surrogate: 1-Chlorooctane	90.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	<i>93.7</i>	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims based upon any of the above stated reasons or otherwise. Results relate only to the sample identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### **Notes and Definitions**

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatscever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, whother business interruptors, loss of use, or loss of profits incurred by client, its subsidiaries, afflicate or successor arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



PM

12:35:00

4/17/2024

Received by OCD:

## CHAIN-OF-CUSTODY AND ANALYS'S REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476





January 31, 2024

AIMEE COLE ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD, NM 88220

**RE: BAISH B BATTERY** 

Enclosed are the results of analyses for samples received by the laboratory on 01/26/24 14:02.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	01/26/2024	Sampling Date:	01/25/2024
Reported:	01/31/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03E2057054	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK ( 32.817358-103.754432 )		

#### Sample ID: SW 08 @ 0-4' (H240368-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/29/2024	ND	2.25	112	2.00	4.51	
Toluene*	<0.050	0.050	01/29/2024	ND	2.54	127	2.00	4.73	
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.73	136	2.00	6.60	
Total Xylenes*	<0.150	0.150	01/29/2024	ND	8.31	138	6.00	7.11	
Total BTEX	<0.300	0.300	01/29/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B mg/kg			Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/29/2024	ND	448	112	400	3.64	
TPH 8015M	mg/kg		Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2024	ND	201	101	200	6.47	
DRO >C10-C28*	<10.0	10.0	01/29/2024	ND	219	109	200	6.96	
EXT DRO >C28-C36	<10.0	10.0	01/29/2024	ND					
Surrogate: 1-Chlorooctane	117 % 48.2-134		4						
Surrogate: 1-Chlorooctadecane	101 % 49.1-148		8						

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and clent's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, whother bits ubsidiaries, affiliates or successor arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	01/26/2024	Sampling Date:	01/25/2024
Reported:	01/31/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03E2057054	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK ( 32.817358-103.754432 )		

#### Sample ID: FS 14 @ 4' (H240368-02)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/29/2024	ND	2.25	112	2.00	4.51	
Toluene*	<0.050	0.050	01/29/2024	ND	2.54	127	2.00	4.73	
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.73	136	2.00	6.60	
Total Xylenes*	<0.150	0.150	01/29/2024	ND	8.31	138	6.00	7.11	
Total BTEX	<0.300	0.300	01/29/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	Analyze	d By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/29/2024	ND	448	112	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2024	ND	201	101	200	6.47	
DRO >C10-C28*	<10.0	10.0	01/29/2024	ND	219	109	200	6.96	
EXT DRO >C28-C36	<10.0	10.0	01/29/2024	ND					
Surrogate: 1-Chlorooctane	110 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.3 % 49.1-148		8						

#### Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and clent's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, whother bits ubsidiaries, affiliates or successor arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To: 01/26/2024

Received:	01/26/2024	Sampling Date:	01/26/2024
Reported:	01/31/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03E2057054	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK ( 32.817358-103.754432 )		

#### Sample ID: FS 15 @ 4' (H240368-03)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/29/2024	ND	2.25	112	2.00	4.51	
Toluene*	<0.050	0.050	01/29/2024	ND	2.54	127	2.00	4.73	
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.73	136	2.00	6.60	
Total Xylenes*	<0.150	0.150	01/29/2024	ND	8.31	138	6.00	7.11	
Total BTEX	<0.300	0.300	01/29/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 9	% 71.5-13	4						
Chloride, SM4500Cl-B mg/kg			Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/29/2024	ND	448	112	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2024	ND	201	101	200	6.47	
DRO >C10-C28*	213	10.0	01/29/2024	ND	219	109	200	6.96	
EXT DRO >C28-C36	44.3	10.0	01/29/2024	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.2	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the sample identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### **Notes and Definitions**

BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
BS1	Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and clent's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatscever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including whother is subsidiaries, affiliates or successor arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Page 143 of 203

Received by OCD: 4/17/2024, 12:35:00 PM

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Project Manager:       A:mee Cole       P.O. #:         Address:       3122       Newhan Parks Hung       Company:         City:       Carlshad       State: NM Zip: 88220       Attn:         Phone #:       720       384       7365       Fax #:         Project #:       () 3E2057054       Project Owner:       Marger Ch       City:         Project Name:       Baish B Rattey       State:       Zip:         Project Location:       3 <sup>-2</sup> . 817358, -103, 754432       Phone #:	Company Name:	Ensolum LLC		-	5					7	1	3/1	LL TO		T			-	ANA	I YSI	R	FOU	EST			
Address:       Address:         Project #:       03520057054         Project Mame:       Build B         Bampler Name:       Build B         Address:       Phone #:         Project Mame:       Mark Hag         State:       Zip:         Project Mark       Fax #:         Project Mark       Fax #:         Project Mark       Mark Hag         Mark Hag       Wag         Mark Hag       Wag <td>Project Manager</td> <td>Amee Cole</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>P.(</td> <td>D. #</td> <td>State of Concession, Name</td> <td></td> <td></td> <td></td> <td>-</td> <td>1</td> <td></td> <td>T</td> <td></td> <td>T</td> <td>T</td> <td>T</td> <td>T</td> <td></td> <td></td> <td></td>	Project Manager	Amee Cole							P.(	D. #	State of Concession, Name				-	1		T		T	T	T	T			
Address:       Address:         Project #:       03520057054         Project Mame:       Build B         Bampler Name:       Build B         Address:       Phone #:         Project Mame:       Mark Hag         State:       Zip:         Project Mark       Fax #:         Project Mark       Fax #:         Project Mark       Mark Hag         Mark Hag       Wag         Mark Hag       Wag <td>Address: 312</td> <td>22 Northern Parks Hung</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Co</td> <td>mpa</td> <td>anv:</td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1.5</td> <td></td> <td></td> <td></td> <td></td>	Address: 312	22 Northern Parks Hung							Co	mpa	anv:				1							1.5				
Address:       Address:         Project #:       03520057054         Project Mame:       Build B         Bampler Name:       Build B         Address:       Phone #:         Project Mame:       Mark Hag         State:       Zip:         Project Mark       Fax #:         Project Mark       Fax #:         Project Mark       Mark Hag         Mark Hag       Wag         Mark Hag       Wag <td>City: Corls</td> <td>and State: N</td> <td>U Zi</td> <td>p: 5</td> <td>582</td> <td>220</td> <td>&gt;</td> <td></td> <td></td> <td>terre in the second</td> <td></td>	City: Corls	and State: N	U Zi	p: 5	582	220	>			terre in the second																
Project #: 03E2057054 Project Owner: Www.ch. City: Project Name: Bush B Bushey State: Zip: Project Location: 7 2 817358 - 05 754432 Sampler Name: Munh Yug, Fax #: For UBUBEONY Lab I.D. Sample I.D. UNTRIX PRESERV SAMPLING WINDON UN											s:			-												
Lab I.D. Sample I.D. BUILDING WALKS AND	Project #: ()3	E2057054 Project Ow	ner:	ih	and	ch				····																
Lab I.D. Sample I.D. BUILDING WALKS AND	Project Name:	Baish B Batten		11			0.000					;	Zin:													
Lab I.D. Sample I.D. BUILDING WALKS AND	Project Location:	32.817358 -103,7	7541	43	2						#.	-														
Lab I.D. Sample I.D. Building of the field of the second of t	Sampler Name:	Jonn Hurrs							-																	
A       FS14 0 4i       FS15 0 4i       FS15 0 4i       FS15 0 4i         FS15 0 4i       FS15 0 4i       FS15 0 4i       FS15 0 4i       FS15 0 4i         FS15 0 4i       FS15 0 4i       FS15 0 4i       FS15 0 4i       FS15 0 4i         FS15 0 4i       FS15 0 4i       FS15 0 4i       FS15 0 4i       FS15 0 4i         FS15 0 4i       FS15 0 4i       FS15 0 4i       FS15 0 4i       FS15 0 4i         FS15 0 4i       FS15 0 4i       FS15 0 4i       FS15 0 4i       FS15 0 4i         FS15 0 4i       FS15 0 4i       FS15 0 4i       FS15 0 4i       FS15 0 4i         FS15 0 4i       FS15 0 4i       FS15 0 4i       FS15 0 4i       FS15 0 4i         FS15 0 4i       FS15 0 4i       FS15 0 4i       FS15 0 4i       FS15 0 4i         FS15 0 4i       FS15 0 4i       FS15 0 4i       FS15 0 4i       FS15 0 4i       FS15 0 4i         FS15 0 4i       FS15 0 4	FOR LAB USE ONLY	J		Г		M/	ATRI	х	-	-	SER	V.	SAMP	LING	1											
A       FS14 0 4i       FS15 0 4i       FS15 0 4i       FS15 0 4i         A       FS15 0 4i         A       FS15 0 4i         A       FS15 0 4i         A       FS15 0 4i         EASE NOTE: Lability and Damages. Caldhaf's lability and clent's exclusive remedy for any claim arising whether based in contract or tort, shall be lented to the amount paid by the clent for the systex. At claims including those for negligence and any other cause whatsoever shall be deemed waived unless metales in writing and received by Castriant within 30 days after completion of the applicable with on sourcessors, writing out of or realised to renegleand or consequent damages, including without inflation, business interungities, too or source of othe applicable interus spectra or otherwise.         Linterus Deal       Data       Data       Data			MP		æ	100000	and a second				1	T			1											
A       FS14 0 4i       FS15 0 4i       FS15 0 4i       FS15 0 4i         A       FS15 0 4i         A       FS15 0 4i         A       FS15 0 4i         A       FS15 0 4i         EASE NOTE: Lability and Damages. Caldhaf's lability and clent's exclusive remedy for any claim arising whether based in contract or tort, shall be lented to the amount paid by the clent for the systex. At claims including those for negligence and any other cause whatsoever shall be deemed waived unless metales in writing and received by Castriant within 30 days after completion of the applicable with on sourcessors, writing out of or realised to renegleand or consequent damages, including without inflation, business interungities, too or source of othe applicable interus spectra or otherwise.         Linterus Deal       Data       Data       Data			(C)	ERS	ATE	ER ER	- Contraction of the Contraction			1					X											
A       FS14 0 4i       FS15 0 4i       FS15 0 4i       FS15 0 4i         A       FS15 0 4i         A       FS15 0 4i         A       FS15 0 4i         A       FS15 0 4i         EASE NOTE: Lability and Damages. Caldhaf's lability and clent's exclusive remedy for any claim arising whether based in contract or tort, shall be lented to the amount paid by the clent for the systex. At claims including those for negligence and any other cause whatsoever shall be deemed waived unless metales in writing and received by Castriant within 30 days after completion of the applicable with on sourcessors, writing out of or realised to renegleand or consequent damages, including without inflation, business interungities, too or source of othe applicable interus spectra or otherwise.         Linterus Deal       Data       Data       Data	Lab I.D.	Sample I.D.	OR	LAIN	NON	WA		ш		ASE	DO.			-	E	-	E	ŧ								
A       FS14 0 4i       FS15 0 4i       FS15 0 4i       FS15 0 4i         A       FS15 0 4i         A       FS15 0 4i         A       FS15 0 4i         A       FS15 0 4i         EASE NOTE: Lability and Damages. Caldhaf's lability and clent's exclusive remedy for any claim arising whether based in contract or tort, shall be lented to the amount paid by the clent for the systex. At claims including those for negligence and any other cause whatsoever shall be deemed waived unless metales in writing and received by Castriant within 30 days after completion of the applicable with on sourcessors, writing out of or realised to renegleand or consequent damages, including without inflation, business interungities, too or source of othe applicable interus spectra or otherwise.         Linterus Deal       Data       Data       Data	10102.0		RAE	NO	no	\STE		Dan	HER	ID/8					8	C										
A       FS14 0 4i       FS15 0 4i       FS15 0 4i       FS15 0 4i         A       FS15 0 4i         A       FS15 0 4i         A       FS15 0 4i         A       FS15 0 4i         EASE NOTE: Lability and Damages. Caldhaf's lability and clent's exclusive remedy for any claim arising whether based in contract or tort, shall be lented to the amount paid by the clent for the systex. At claims including those for negligence and any other cause whatsoever shall be deemed waived unless metales in writing and received by Castriant within 30 days after completion of the applicable with on sourcessors, writing out of or realised to renegleand or consequent damages, including without inflation, business interungities, too or source of othe applicable interus spectra or otherwise.         Linterus Deal       Data       Data       Data		CIVER OF MIL	0	#	GR	N SO	I	SLI	5	AC AC				stream and the second sec												
EASE NOTE: Liability and Lengths tabling and clengths exclusive remedy for any claim arising whether based in contract or fort, shall be instead to the amount paid by the client for the update of the applicable whether such claim is based. "In early of the above stated reasons or otherwise, length of the state of th	2	5000 00.91	C	1		7	4			1	ĸ		425/24		×	×	X	I				_				
EASE NOTE: Liability and Lengths liability and clength sectuality remedy for any claim arking whether based in contract or fort, shall be limited to the amount paid by the client for the update of the applicable who went shall Cardinal be liable for incidential or consequential damages, floriding whose hereunders by Cardinal withing and recorded by Cardinal withing and proceeding whether such claim is based. "In any of the above statied reasons or otherwise, leaded or the applicable weat the applicable data or to related to the performance of services hereunder by Cardinal whether such claim is based" In any of the above statied reasons or otherwise, leaded or the applicable data.	2	1-514 00 4:					and more			.  .			¥		1	+										
vice. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, liates or successor, winding out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based, an any of the above stated reasons or otherwise.		F215 0 4	V	ľ		Y	-		-		-		1/26/24	0947	V	Y	M			ļ		_			-	
vice. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, liates or successor, winding out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based, an any of the above stated reasons or otherwise.							-			-	-	+								ļ					_	
vice. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, liates or successor, winding out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based, an any of the above stated reasons or otherwise.							-		+	-	+	+														
vice. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, liates or successor, winding out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based, an any of the above stated reasons or otherwise.		ander en fille fan fan en en en fil filme filfe of namer men en filfe en filme annen en fil filme en en en en e				and and a		$\vdash$	+		-	┢							-			+				
vice. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, liates or successor, winding out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based, an any of the above stated reasons or otherwise.		analan dalam na alah dapanan dari dari kana ana ana ang mang ang mang ang mang ang mang ang mang ang mang ang m							1		-	t							1							
vice. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, liates or successor, winding out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based, an any of the above stated reasons or otherwise.	1								1		-	t							1			-				
vice. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, liates or successor, winding out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based. If an any of the above stated reasons or otherwise.									1	1		t										1	-		-	+
liates or successor, which are the adde to modernan or consequence of services hereunder by Cardinal, regardless of whether such claim is based	annalment can refer the manufactured and	voie in negligerice and any other cause whatspever shall b	e deemad	WANA	ർ നല്ക്ക	e made i	es cuerdie	NOT COMPANY IN	duration site	A burn	and in al	-	a 20 dana aller	and the first of the					-			· ·	-	-	-	
	affiliates or successor. wising or	ier de vauve for micidental or consequental damages, inclug	ng wanout	STOLA	son, bu	siness int	terruph	ions, los	s of us	se, or i	oss of	profits	s incurred by clie	nt, its subsidiarie	e appricator BS,				*							
	Relinquished 3y:	Date:	Re	ceiv	ed E	y:	1	-		98. au	٨							No	Add'l F	hone #						
All Results are emailed. Please provide Email address:	-BAI	Time; 40 2	6	) je	0	AK	X	n	$\left( \right)$	X	1		ŕ	iii Kesuits												
elinquished By: Date: Received By: REMARKS:	Relinquished By:	Date:	Red	ceiv	ed B	y:	1	IV		)	K			REMARKS:	a	1010	20	insi	)/um	can		*				
Time:		Time:	-							1																
elivered By: (Circle Cne) Observed Temp. °C ( ) Sample Condition CHECKED BY: Turnaround Time: Standard Dt Bacteria (only) Sample Condition	Delivered By: (Circle	e Cne) Observed Temp °C			80	mole	Cor	ditio		0	JEON	(EP	DV.		*		<b>0</b> 4.		ISA.	_						
Standard Cool Intact (Initials) Rush Cool Intact Observed Temp, °C			2.0	E	C	lool	Intac	t	C				5)					ard		Cool II	ntact	0			°C	
Ampler - UPS - Bus - Other:     Corrected Temp. °C     Yes Yes     Thermometer ID - #140     Governmenter ID - #140       FORM-000 R 3.4 07/11/23     No     No     No     No     Corrected Temp. °C					Ē	Yes No	H	No		8	YZ	-										s				

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



February 01, 2024

AIMEE COLE ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD, NM 88220

**RE: BAISH B BATTERY** 

Enclosed are the results of analyses for samples received by the laboratory on 01/29/24 12:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager


ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	01/29/2024	Sampling Date:	01/29/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03E2057054	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK ( 32.817358-103.754432 )		

#### Sample ID: FS 16 4' (H240381-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/29/2024	ND	2.20	110	2.00	1.44	
Toluene*	<0.050	0.050	01/29/2024	ND	2.19	109	2.00	1.45	
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.17	109	2.00	1.99	
Total Xylenes*	<0.150	0.150	01/29/2024	ND	6.35	106	6.00	2.04	
Total BTEX	<0.300	0.300	01/29/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/30/2024	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	205	103	200	4.99	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	200	100	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					
Surrogate: 1-Chlorooctane	85.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.6	% 49.1-14	8						

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



MAVERICK ( 32.817358-103.754432 )

		ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	ſ		
Received:	01/29/2024		Sampling Date:	01/25/20	024
Reported:	02/01/2024		Sampling Type:	Soil	
Project Name:	BAISH B BATTERY		Sampling Condition:	Cool & I	ntact
Project Number:	03E2057054		Sample Received By:	Shalyn F	lodriguez

#### Sample ID: PH 01 1' (H240381-02)

Project Location:

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/29/2024	ND	2.20	110	2.00	1.44	
Toluene*	<0.050	0.050	01/29/2024	ND	2.19	109	2.00	1.45	
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.17	109	2.00	1.99	
Total Xylenes*	<0.150	0.150	01/29/2024	ND	6.35	106	6.00	2.04	
Total BTEX	<0.300	0.300	01/29/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/30/2024	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	205	103	200	4.99	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	200	100	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					
Surrogate: 1-Chlorooctane	95.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	01/29/2024	Sampling Date:	01/25/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03E2057054	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK ( 32.817358-103.754432 )		

#### Sample ID: PH 01 5' (H240381-03)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/29/2024	ND	2.20	110	2.00	1.44	
Toluene*	<0.050	0.050	01/29/2024	ND	2.19	109	2.00	1.45	
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.17	109	2.00	1.99	
Total Xylenes*	<0.150	0.150	01/29/2024	ND	6.35	106	6.00	2.04	
Total BTEX	<0.300	0.300	01/29/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.2	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/30/2024	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	205	103	200	4.99	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	200	100	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					
Surrogate: 1-Chlorooctane	98.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



01/20/2024

## Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To: 01/29/2024 Sampling Date: 02/01/2024

01/29/2024	Sampling Date.	01/29/2024
02/01/2024	Sampling Type:	Soil
BAISH B BATTERY	Sampling Condition:	Cool & Intact
03E2057054	Sample Received By:	Shalyn Rodriguez
MAVERICK ( 32.817358-103.754432 )		
	02/01/2024 BAISH B BATTERY 03E2057054	02/01/2024Sampling Type:BAISH B BATTERYSampling Condition:03E2057054Sample Received By:

#### Sample ID: PH 02 1' (H240381-04)

Docoivod:

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/29/2024	ND	2.20	110	2.00	1.44	
Toluene*	<0.050	0.050	01/29/2024	ND	2.19	109	2.00	1.45	
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.17	109	2.00	1.99	
Total Xylenes*	<0.150	0.150	01/29/2024	ND	6.35	106	6.00	2.04	
Total BTEX	<0.300	0.300	01/29/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/30/2024	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	205	103	200	4.99	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	200	100	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	01/29/2024	Sampling Date:	01/29/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03E2057054	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK ( 32.817358-103.754432 )		

#### Sample ID: PH 02 4' (H240381-05)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/29/2024	ND	2.20	110	2.00	1.44	
Toluene*	<0.050	0.050	01/29/2024	ND	2.19	109	2.00	1.45	
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.17	109	2.00	1.99	
Total Xylenes*	<0.150	0.150	01/29/2024	ND	6.35	106	6.00	2.04	
Total BTEX	<0.300	0.300	01/29/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.6	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/30/2024	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	205	103	200	4.99	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	200	100	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					
Surrogate: 1-Chlorooctane	95.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	01/29/2024	Sampling Date:	01/29/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03E2057054	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK ( 32.817358-103.754432 )		

#### Sample ID: SS 09 0.5' (H240381-06)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/29/2024	ND	2.20	110	2.00	1.44	
Toluene*	<0.050	0.050	01/29/2024	ND	2.19	109	2.00	1.45	
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.17	109	2.00	1.99	
Total Xylenes*	<0.150	0.150	01/29/2024	ND	6.35	106	6.00	2.04	
Total BTEX	<0.300	0.300	01/29/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.4	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/30/2024	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	205	103	200	4.99	
DRO >C10-C28*	234	10.0	01/30/2024	ND	200	100	200	1.67	
EXT DRO >C28-C36	173	10.0	01/30/2024	ND					
Surrogate: 1-Chlorooctane	94.5	48.2-13	4						
Surrogate: 1-Chlorooctadecane	104 9	6 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	01/29/2024	Sampling Date:	01/29/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03E2057054	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK ( 32.817358-103.754432 )		

#### Sample ID: SS 10 0.5' (H240381-07)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/29/2024	ND	2.20	110	2.00	1.44	
Toluene*	<0.050	0.050	01/29/2024	ND	2.19	109	2.00	1.45	
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.17	109	2.00	1.99	
Total Xylenes*	<0.150	0.150	01/29/2024	ND	6.35	106	6.00	2.04	
Total BTEX	<0.300	0.300	01/29/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/30/2024	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	205	103	200	4.99	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	200	100	200	1.67	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					
Surrogate: 1-Chlorooctane	99.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



## **Notes and Definitions**

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 Company Manage Engl

Second Anciel	ie. cheolum, LLC			and part of the local division of the local		and the same of		10 million	the second																
Project Manag	er: Amer (	sle								BALL 1	0	19 J.						AN	ALV	SIS	REC	ME	27	-	
Address:	3122 Navin	al Parks F						P.0	<b>.</b> 款					T	T			T	T	T	T	T	31		-
City:	a labord		truig	d	4-	2		Con	npany:																
Phone #: 7	20-384-736	State: NY	Zip	r: 7	82	(0		Attn																	
Project #: (	3E20570	S Pax #:						Add	ress:				1											1	
Project Name	Barish B	O Project Ow	ner:	Ma	wer	ch		City:															1	1	
Project Locatio	37.9177	Pattery						State	90	Zip:			1		-										
Sampler Name:	R. 5 - 6175	58, -603.	750	143	2			Pho	哈长				1			- 1									
FOR LAB USE ONLY	NOAN;	Huyes	-	-			the second se	Fax	k					1									- 1		
			L'	-		WATRI	R	P	RESERI	S/	MPL	ING	1							1					
			(G)RAB OR (C)OMP.	s				TRANSPORT	X	1					1										
Lab I.D.	Sample I.D.	Depth	R (C	NER	TER																		1		
		(feet)	BO	# CONTAINERS GROUNDIMATER	WASTEWATER		3	ASE	ICE / COOL OTHER :				玉 玉	Hd.		,					1		1		1
1240381			3)R		ABT	뉨그	SLUDGE		10/11 10/11				F	L L	12	1				1					
1	F-516	41	C	10	13	X	3	2 A	00	DATE	- 1	TIME		1	L	1									
2	PHOI	11	6	-	++		$\left  \right $	+	x	1/29/	241	045	×	×	×	T	T			T	T	T	+	+	-+
3	PHSI	5'	G	1	$\uparrow \uparrow$	+	$\vdash$	+		VZS/	41	48	-+-		4						T	+	+	+	+
9	PHOZ	1 1	G	1	++			-		12200		512		-							1	T	+	+	-+-
8	PHOZ	4'	G	1	$\uparrow \uparrow$				+	1/29/2	-				$\square$	1	_					T	+	+	+
<u>e</u>	5509	0.51	GI	T	1 t	$\mathbf{H}$	+	$\square$		J	1	640	++	+		+	_						T	+	+
	\$510	0.5'	GV		T	11	1			2		30	++	$\checkmark$	-	+	-	-						1	1
	550 RH				T	11	1				1		-		V	+		_							1
James and a descent of the second sec						Ħ				11 1-12 - 17 1 - 17 - 10 - 1	-		-+	-		+	-	-							
ASE NOTE: Liability and D	emages, Cardinal's lisbility and o	light's such as a second secon				11	T				-		-	R	-	F	+	4	-			1	-		
roos. All claims including t ice. in no event chail Cardi	emeges. Cerdinal's liability and c lose for negligence and any othe rol be fiable for incidental or cons at of or related to the performance	reause whatsoever shall be d	ly claim and eenoed wah	ing whe	ther base as made i	t in contra in writing:	act or tor	i shall b	e linited to t	he enount pa	d by the	client for the		-1-1	-	1	1			-					
linguished By:	nose for negligence and any othe nal be fiable for incidential or cons at of or related to the performanc	e of services hereunder by Co	indinal. rega	alion, bu reliecs o	icineta in Ny hetier	terraption such clai	o, loss of im is base	iute, er	loss of profi	to incurred by a	fient, its	cubaidiantes,	pplicable												
-RU		1-29-24	Recei	ved	By:						l Verl	a Resul	it: D	Yes	E	] No	Ad	d'i Ph	one #	-		-	-		
Inquished By:		1-29-24 Time: 1255	Sh	U	n	N	10	A 1	0 1	1	ABR	esults ar	e emai	iled. I	Pleas	se pro	wide	Email	addre	SS:					
midmaned by:		Date:	Receiv	red E	By:	10	4	A	L	4	REM	ARKS:													
		Time:					1		0	9															
livered By: (Circl	One) Os	sorved Tomp. °C	2	S	mple	Condi	Non	0	Entre		_														
npler • UPS - Bus	Carlos.	Fractad Tomp, °C	- 12	C	Yes No	niact			IECKEL		-+	ometer ID		R	tand	dard		60	DF IBS	252	<b>n</b> h-	ple Co server	I Temp	0	
POKW-000 K 3	2 10/07/21	+ Cardinat			No		0	0	OF		ReHH	ometer ID	0.5%	c		5		R	Yes [ No [	Yes					Constantion of the local data
		† Cardinal car	inot ac	cept	verbs	al cha	ndes	Pla	200 000	all about				The state of the s	-	-	and the second division of the		1001	1 900	Cor	recter	1 Tenno	L°C	1

al cannot accept verbal changes. Please email changes to celey.keene@carclinallabsnm.com

Received by OCD: 4/17/2024 12:35:00 PM



January 31, 2024

AIMEE COLE ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD, NM 88220

**RE: BAISH B BATTERY** 

Enclosed are the results of analyses for samples received by the laboratory on 01/30/24 13:29.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	01/30/2024	Sampling Date:	01/30/2024
Reported:	01/31/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03E2057054	Sample Received By:	Dionica Hinojos
Project Location:	MAVERICK ( 32.817358-103.754432 )		

#### Sample ID: FS 17 1.5' (H240420-01)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2024	ND	1.97	98.3	2.00	9.61	
Toluene*	<0.050	0.050	01/30/2024	ND	1.97	98.6	2.00	10.2	
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	1.97	98.5	2.00	10.3	
Total Xylenes*	<0.150	0.150	01/30/2024	ND	6.05	101	6.00	9.19	
Total BTEX	<0.300	0.300	01/30/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	01/31/2024	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2024	ND	185	92.6	200	0.794	
DRO >C10-C28*	17.9	10.0	01/31/2024	ND	200	100	200	1.18	
EXT DRO >C28-C36	<10.0	10.0	01/31/2024	ND					
Surrogate: 1-Chlorooctane	81.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.1	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



## **Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Page 157 of 203

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name: Ensolum, LLC		
Project Manager: Amer Cale	BILL TO	ANALYSIS REQUEST
Address: 3/22 National D. Lie U.	P.O. #:	I I I I I I I I I I I I I I I I I I I
	Company:	
Phone #: 720-384-7365 Fax #:	Atin:	
Project & GZ & Z & C =	Address;	
Project Name: Bash B Buttery	City:	
Project Location: 37,817 358 - 103 TELLING	State: Zip:	
	Phone it:	
Sampler Name: Ronn. Huyes	Fax #:	
MAT		
, dwo		
Lab I.D. Sample I.D. Depth (feet) Sample I.D. (feet) Sample I.D. (feet) Statement of the second seco		
(feet) San Man		
240420	SILUDGE OTHER: ACID/BASE: OTHER: CI- CI-	
FS17 1.5'	DITHER DITHER OTHER OTHER	
1 F517 1.5' C 1 X	× 1/30/24 1148 XXX	
	110 2	
SE NOTE: Liability and Demogers, Cardinal's liability and clients exclusive remarks for any claim arbitrar based in cont es. All cleams including those for negligance and any other cause utratacover arbitrar chall be deemost valued unless made in witing - Is no event-chall Cardinal be liable for incidental or consequential damages, including without valued unless made in witing or or succentration arbitrar without the second		
All claims including those for negligance and any other cause whatboover shall be desired valued inferences of any other cause whatboover shall be desired valued inferences in rolling to a successful be desired valued inferences and in viting the second valued inferences and in viting to a successful and any other cause whatboover shall be desired valued inferences in viting to a successful and any other cause whatboover shall be desired valued inferences in viting to any other valued inferences and the inviting to a successful and any other cause of early and the second second reserves there are a successful and any other second sec	ct or tork shall be limited to the amount paid by the client for the nd teceired by Cardinal within 36 days after permission of the	
Date: 1 Date:	face of suce, or face of profile incurred by client, its subsidiarities,	
	Verbal Result- 17 Mag	d'I Dhone de
nguished By: Date: Received By:		
Date: Received By:	REMARKS:	h. Com
Time:	interesto:	
Vered By: (Circle One) Observed Temp. *C 3 400 Sample Cond		
oler - UPS - Bus - Other: Corrected Temp, "C 3 40C Sample Cond Cool Integet	Turnaround Time: Standowd II	Bacteria (only) Sample Condition
TORNI-000 K 3.2 10/07/21	Thermomster ID #140 RUSD	Cool anact Observed Temp. °C
† Cardinal cannot accept verbal ch	iges. Please email changes to celey.keene@carclinallabsnm.c	Yes Yes No Corrected Temp. °C
	the second	iom



February 01, 2024

AIMEE COLE ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD, NM 88220

**RE: BAISH B BATTERY** 

Enclosed are the results of analyses for samples received by the laboratory on 01/30/24 13:29.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	01/30/2024	Sampling Date:	01/30/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03E2057054	Sample Received By:	Dionica Hinojos
Project Location:	MAVERICK ( 32.817358-103.754432 )		

#### Sample ID: SW 09 0-4' (H240421-01)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2024	ND	2.11	105	2.00	0.496	
Toluene*	<0.050	0.050	01/31/2024	ND	2.09	105	2.00	0.277	
Ethylbenzene*	<0.050	0.050	01/31/2024	ND	2.07	104	2.00	0.458	
Total Xylenes*	<0.150	0.150	01/31/2024	ND	6.07	101	6.00	0.494	
Total BTEX	<0.300	0.300	01/31/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.1	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/31/2024	ND	432	108	400	7.14	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	201	101	200	0.352	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	220	110	200	0.682	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					
Surrogate: 1-Chlorooctane	114	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To: 01/20/2024

Received:	01/30/2024	Sampling Date:	01/30/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03E2057054	Sample Received By:	Dionica Hinojos
Project Location:	MAVERICK ( 32.817358-103.754432 )		

#### Sample ID: SW 10 0-4' (H240421-02)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2024	ND	2.11	105	2.00	0.496	
Toluene*	<0.050	0.050	01/31/2024	ND	2.09	105	2.00	0.277	
Ethylbenzene*	<0.050	0.050	01/31/2024	ND	2.07	104	2.00	0.458	
Total Xylenes*	<0.150	0.150	01/31/2024	ND	6.07	101	6.00	0.494	
Total BTEX	<0.300	0.300	01/31/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/31/2024	ND	432	108	400	7.14	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	201	101	200	0.352	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	220	110	200	0.682	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					
Surrogate: 1-Chlorooctane	95.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.2	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



### **Notes and Definitions**

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



203

5

Page 162

PM

35:00

Q.

PCPIV  $\approx$ 

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240





February 05, 2024

AIMEE COLE ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD, NM 88220

**RE: BAISH B BATTERY** 

Enclosed are the results of analyses for samples received by the laboratory on 01/31/24 13:21.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Whe Singh

Mike Snyder For Celey D. Keene Lab Director/Quality Manager



ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	01/31/2024	Sampling Date:	01/31/2024
Reported:	02/05/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03D2057054	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK ( 32.817358-103.754432 )		

#### Sample ID: FS 15A 4.25' (H240438-01)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2024	ND	2.26	113	2.00	9.03	
Toluene*	<0.050	0.050	01/31/2024	ND	2.41	120	2.00	15.0	
Ethylbenzene*	<0.050	0.050	01/31/2024	ND	2.58	129	2.00	16.8	
Total Xylenes*	<0.150	0.150	01/31/2024	ND	7.79	130	6.00	16.9	
Total BTEX	<0.300	0.300	01/31/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/01/2024	ND	416	104	400	10.9	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2024	ND	216	108	200	0.704	
DRO >C10-C28*	158	10.0	01/31/2024	ND	207	103	200	1.60	
EXT DRO >C28-C36	45.7	10.0	01/31/2024	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	128	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	01/31/2024	Sampling Date:	01/31/2024
Reported:	02/05/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03D2057054	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK ( 32.817358-103.754432 )		

#### Sample ID: SS 11 0.5' (H240438-02)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2024	ND	2.26	113	2.00	9.03	
Toluene*	<0.050	0.050	01/31/2024	ND	2.41	120	2.00	15.0	
Ethylbenzene*	<0.050	0.050	01/31/2024	ND	2.58	129	2.00	16.8	
Total Xylenes*	<0.150	0.150	01/31/2024	ND	7.79	130	6.00	16.9	
Total BTEX	<0.300	0.300	01/31/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/01/2024	ND	416	104	400	10.9	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2024	ND	216	108	200	0.704	
DRO >C10-C28*	<10.0	10.0	01/31/2024	ND	207	103	200	1.60	
EXT DRO >C28-C36	10.9	10.0	01/31/2024	ND					
Surrogate: 1-Chlorooctane	98.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

01/31/2024	Sampling Date:	01/31/2024
02/05/2024	Sampling Type:	Soil
BAISH B BATTERY	Sampling Condition:	Cool & Intact
03D2057054	Sample Received By:	Shalyn Rodriguez
MAVERICK ( 32.817358-103.754432 )		
	02/05/2024 BAISH B BATTERY 03D2057054	02/05/2024Sampling Type:BAISH B BATTERYSampling Condition:03D2057054Sample Received By:

#### Sample ID: FS 18 0.5' (H240438-03)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2024	ND	2.26	113	2.00	9.03	
Toluene*	<0.050	0.050	01/31/2024	ND	2.41	120	2.00	15.0	
Ethylbenzene*	<0.050	0.050	01/31/2024	ND	2.58	129	2.00	16.8	
Total Xylenes*	<0.150	0.150	01/31/2024	ND	7.79	130	6.00	16.9	
Total BTEX	<0.300	0.300	01/31/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	6 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/01/2024	ND	416	104	400	10.9	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2024	ND	216	108	200	0.704	
DRO >C10-C28*	<10.0	10.0	01/31/2024	ND	207	103	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	01/31/2024	ND					
Surrogate: 1-Chlorooctane	<b>99.</b> 7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	6 49.1-14	8						

#### **Cardinal Laboratories**

\*=Accredited Analyte

mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	01/31/2024	Sampling Date:	01/31/2024
Reported:	02/05/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03D2057054	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK ( 32.817358-103.754432 )		

#### Sample ID: FS 19 0.5' (H240438-04)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2024	ND	2.26	113	2.00	9.03	
Toluene*	<0.050	0.050	01/31/2024	ND	2.41	120	2.00	15.0	
Ethylbenzene*	<0.050	0.050	01/31/2024	ND	2.58	129	2.00	16.8	
Total Xylenes*	<0.150	0.150	01/31/2024	ND	7.79	130	6.00	16.9	
Total BTEX	<0.300	0.300	01/31/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/01/2024	ND	416	104	400	10.9	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2024	ND	216	108	200	0.704	
DRO >C10-C28*	<10.0	10.0	01/31/2024	ND	207	103	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	01/31/2024	ND					
Surrogate: 1-Chlorooctane	98.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	6 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To: 01/31/2024 Sampling Date:

Received:	01/31/2024	Sampling Date:	01/31/2024
Reported:	02/05/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03D2057054	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK ( 32.817358-103.754432 )		

#### Sample ID: FS 20 1' (H240438-05)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2024	ND	2.26	113	2.00	9.03	
Toluene*	<0.050	0.050	01/31/2024	ND	2.41	120	2.00	15.0	
Ethylbenzene*	<0.050	0.050	01/31/2024	ND	2.58	129	2.00	16.8	
Total Xylenes*	<0.150	0.150	01/31/2024	ND	7.79	130	6.00	16.9	
Total BTEX	<0.300	0.300	01/31/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	02/01/2024	ND	416	104	400	10.9	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2024	ND	216	108	200	0.704	
DRO >C10-C28*	<10.0	10.0	01/31/2024	ND	207	103	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	01/31/2024	ND					
Surrogate: 1-Chlorooctane	101 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	% 49.1-14	8						

#### **Cardinal Laboratories**

\*=Accredited Analyte

Mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



03D2057054

MAVERICK (32.817358-103.754432)

Shalyn Rodriguez

Sample Received By:

#### Analytical Results For:

**ENSOLUM** AIMEE COLE **3122 NATIONAL PARKS HWY** CARLSBAD NM, 88220 Fax To: 01/31/2024 Sampling Date: 01/31/2024 02/05/2024 Sampling Type: Soil Project Name: BAISH B BATTERY Sampling Condition: Cool & Intact

#### Sample ID: FS 21 1' (H240438-06)

Received:

Reported:

Project Number:

Project Location:

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2024	ND	2.26	113	2.00	9.03	
Toluene*	<0.050	0.050	01/31/2024	ND	2.41	120	2.00	15.0	
Ethylbenzene*	<0.050	0.050	01/31/2024	ND	2.58	129	2.00	16.8	
Total Xylenes*	<0.150	0.150	01/31/2024	ND	7.79	130	6.00	16.9	
Total BTEX	<0.300	0.300	01/31/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	6 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/01/2024	ND	416	104	400	10.9	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2024	ND	216	108	200	0.704	
DRO >C10-C28*	<10.0	10.0	01/31/2024	ND	207	103	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	01/31/2024	ND					
Surrogate: 1-Chlorooctane	111 %	6 48.2-13	4						
Surrogate: 1-Chlorooctadecane	127 9	6 49.1-14							

#### **Cardinal Laboratories**

\*=Accredited Analyte

mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



MAVERICK (32.817358-103.754432)

**ENSOLUM** AIMEE COLE **3122 NATIONAL PARKS HWY** CARLSBAD NM, 88220 Fax To: Received: 01/31/2024 Sampling Date: 01/31/2024 Reported: 02/05/2024 Sampling Type: Soil Project Name: BAISH B BATTERY Sampling Condition: Cool & Intact Project Number: Sample Received By: Shalyn Rodriguez 03D2057054

#### Sample ID: FS 22 1' (H240438-07)

Project Location:

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2024	ND	2.26	113	2.00	9.03	
Toluene*	<0.050	0.050	01/31/2024	ND	2.41	120	2.00	15.0	
Ethylbenzene*	<0.050	0.050	01/31/2024	ND	2.58	129	2.00	16.8	
Total Xylenes*	<0.150	0.150	01/31/2024	ND	7.79	130	6.00	16.9	
Total BTEX	<0.300	0.300	01/31/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	02/01/2024	ND	416	104	400	10.9	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2024	ND	216	108	200	0.704	
DRO >C10-C28*	<10.0	10.0	01/31/2024	ND	207	103	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	01/31/2024	ND					
Surrogate: 1-Chlorooctane	99.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



## **Notes and Definitions**

QR-04	The RPD for the BS/BSD was outside of historical limits.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
BS1	Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

**Cardinal Laboratories** 

#### \*=Accredited Analyte

Mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



172 of 203

Page

Received by OCD: 4/17/2024 12:35:00 PM

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

	: Ensolum, LLC	in for of one						199		80 0. TV		6.	and and the				U MOI	0.0			Manager	-	-
Project Manage	11: Amere Coh	2						P.O.		R. R. R.		T	T	T	T	ANA	LYS	SR	EQU	EST	1	-	-
Address: 3	122 Nution	1 Parks	Hin	4		· · · · · · · · · · · · · · · · · · ·		Con	pany:						1								
City: Carl	Island	State: NM			827	6		Attn		triung in artista		1		1	1		1						
Phone #: 720	2-384.7365	Fax #:			10-0			Add				1					1						
Project #: 03	EZOSTOSU	Project Own	-	4.		-1						-			1	1							
Project Name:	Bash BB	attac.			v 0,	1	-	City:	and the second se						1		1						
Project Location	: 32.8173	CH -103	751		22		-	State		Zip:							1						
Sampler Name:	Romai +	lances	/31	17.	36			Phon															
FOR LAB USE ONLY	10000	1 des	11	T	P	ATRI	and the second second	Fax	RESERV	SAL	PLING								1				
1 7 1			ď		11	1	TI	F	TT														
Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	UVASTEWATER			ės.	-TO			BTTEX	-	Ηd						-			
H240438				# CONT	WASTE	SOR	SLUDGI	OTHER : ACID/BASE:	ICE / COOL OTHER :	DATE	TIME	8	2	F									
	FSISA	4.25	C	i		×			x	1/31/20	1115	×	×	×							-+		-
2	5511	0.5	G	11	++	1			1	1	1155	1	1	1									-
3	FSIK	0.5	C	11		1					0848											-	$\neg$
4	FS19	0.5	11	11-	++	1		_	4		0915												-
2	FSZO		H	#	+	11_	$\square$				1135											-	
- 9	FSZZ		J	4	++	<b>,</b>	$\square$	+			1035							-					
	1366	1	$\vdash$	-	++			+	V	*	1056	Y	¥	V								1	-
				+	++	-		-															
			⊨‡	+	++	+	+	+					_	-	-	-	-	_					1
ervice. In no event shall Gard	Damages, Cardinal's liability and clie those for negligance and any other o fixed be fiable for incidental or consec att of or related to the performance	and a lange of the state	without fir Indiaal, re	nilation, gardiets	bucinessi s of wheth	to wrong	j and ter	selved by	Cardinal will	hin 30 days alto	completion of the	opplicable											
RI	r	1-31-24 Time: 321	Reci	eived V	OC	lv	i	201	11		Verbal Res All Results (	ult:   are em	ailed.	Please	provid	e Emai	il addre						7
lelinguished/By:		Date: Time:	Rece	ived	I By:	4	-6	T		F	REMARKS:		20	eng	olu	m.	60	5					_
Delivered By: (Circ	le One)	orved Tomp. °C	0	1	Sampk	Cor	illion	T .	LICONS	0.0%	104							-					Contraction of the local division of the loc
Sampler - UPS - Bu	s - Other: Cor	rected Temp. C	-8.			Intac	t fes		CHECKE (Initia	Isj	Turnaspund #14 Thermometer Correction Fee	0	3	tanda lush	rd L		ool in	act	Obs		tition 'emp. °C 'emp. °C		

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



February 14, 2024

AIMEE COLE ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD, NM 88220

**RE: BAISH B BATTERY** 

Enclosed are the results of analyses for samples received by the laboratory on 02/09/24 11:36.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	02/09/2024	Sampling Date:	02/08/2024
Reported:	02/14/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03E2057054	Sample Received By:	Dionica Hinojos
Project Location:	MAVERICK ( 32.817358-103.754432 )		

#### Sample ID: BH01 2' (H240631-01)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/09/2024	ND	1.96	98.2	2.00	0.981	
Toluene*	<0.050	0.050	02/09/2024	ND	2.06	103	2.00	0.333	
Ethylbenzene*	<0.050	0.050	02/09/2024	ND	2.04	102	2.00	0.0314	
Total Xylenes*	<0.150	0.150	02/09/2024	ND	6.17	103	6.00	0.251	
Total BTEX	<0.300	0.300	02/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/09/2024	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2024	ND	188	93.9	200	0.0389	
DRO >C10-C28*	46.0	10.0	02/09/2024	ND	194	96.9	200	2.40	
EXT DRO >C28-C36	<10.0	10.0	02/09/2024	ND					
Surrogate: 1-Chlorooctane	80.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.9	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	02/09/2024	Sampling Date:	02/08/2024
Reported:	02/14/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03E2057054	Sample Received By:	Dionica Hinojos
Project Location:	MAVERICK ( 32.817358-103.754432 )		

#### Sample ID: BH01 3' (H240631-02)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/09/2024	ND	1.96	98.2	2.00	0.981	
Toluene*	<0.050	0.050	02/09/2024	ND	2.06	103	2.00	0.333	
Ethylbenzene*	<0.050	0.050	02/09/2024	ND	2.04	102	2.00	0.0314	
Total Xylenes*	<0.150	0.150	02/09/2024	ND	6.17	103	6.00	0.251	
Total BTEX	<0.300	0.300	02/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	02/09/2024	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2024	ND	188	93.9	200	0.0389	
DRO >C10-C28*	<10.0	10.0	02/09/2024	ND	194	96.9	200	2.40	
EXT DRO >C28-C36	<10.0	10.0	02/09/2024	ND					
Surrogate: 1-Chlorooctane	74.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	69.6	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	02/09/2024	Sampling Date:	02/08/2024
Reported:	02/14/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03E2057054	Sample Received By:	Dionica Hinojos
Project Location:	MAVERICK ( 32.817358-103.754432 )		

#### Sample ID: BH02 2' (H240631-03)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/09/2024	ND	1.96	98.2	2.00	0.981	
Toluene*	<0.050	0.050	02/09/2024	ND	2.06	103	2.00	0.333	
Ethylbenzene*	<0.050	0.050	02/09/2024	ND	2.04	102	2.00	0.0314	
Total Xylenes*	<0.150	0.150	02/09/2024	ND	6.17	103	6.00	0.251	
Total BTEX	<0.300	0.300	02/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Analyte Result Reporting Limit		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<b>48.0</b> 16.0		02/09/2024	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2024	ND	188	93.9	200	0.0389	
DRO >C10-C28*	<10.0	10.0	02/09/2024	ND	194	96.9	200	2.40	
EXT DRO >C28-C36	<10.0	10.0	02/09/2024	ND					
Surrogate: 1-Chlorooctane	82.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.5	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	02/09/2024	Sampling Date:	02/08/2024
Reported:	02/14/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03E2057054	Sample Received By:	Dionica Hinojos
Project Location:	MAVERICK ( 32.817358-103.754432 )		

#### Sample ID: BH02 4' (H240631-04)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/09/2024	ND	1.96	98.2	2.00	0.981	
Toluene*	<0.050	0.050	02/09/2024	ND	2.06	103	2.00	0.333	
Ethylbenzene*	<0.050	0.050	02/09/2024	ND	2.04	102	2.00	0.0314	
Total Xylenes*	<0.150	0.150	02/09/2024	ND	6.17	103	6.00	0.251	
Total BTEX	<0.300	0.300	02/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result Reporting Limit		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	hloride 80.0 16.		02/09/2024	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2024	ND	188	93.9	200	0.0389	
DRO >C10-C28*	<10.0	10.0	02/09/2024	ND	194	96.9	200	2.40	
EXT DRO >C28-C36	<10.0	10.0	02/09/2024	ND					
Surrogate: 1-Chlorooctane	71.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	65.1	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



## **Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476 Company Name: Ensolum LLC

Project Manager: Aimee Cole						BILL TO ANALYSIS REQUEST																					
Address: 3/22 National Parks Huy							P.	0.1	俳:					T	T	1		T	T	T	110	au	1	-	1		
City: Curlsback State: 1/10 Zin: 200220						Company:								1													
Cory: Cor/Isbad State: Nm Zip: State: Display: State: Distate: Distate					At	ton:																					
Toject # AZ	1307-1367	Fax #:			~~~~~				Ad	idre	SS:																
roject Name:	2057054	Project Ow	ner:						Cit	y:															1	1	
rojost I anntia	Baish B Batt	cry							Sta	ite:			Zip:														1
ampler Name	n: 32,817358,	-103, 759432	2						Ph	one	款;																
OR LAB USE ONLY	Chad Hamilto	00			1				Fai	c #:					-												
1			a		<b> </b>	MA	TRI	1		PRE	SEF	RV.	SAN	APLING												1	1
3401818			(G)RAB OR (C)OMP.	s	x	~					X									i		1					[
Lab I.D.	Sample I.D.	Depth	R (C	NER	NAT	TER																1					1
	•	(feet)	BO	ITAI	INDI	EW		щ	::	ASE	ō.			1													1
			3)RA	# CONTAINERS	ROL	WASTEWATER SOIL		an	OTHER :		ICE / COC					STEV		HL									
/	BHOI	2	<u> </u>	*	0	3 00	OF	SL	5	8 I		5	DATE	TIME	2	Ċ	2 \	-									
2	BHOI	3				X			_	+			12/8/24		X	Х	X	$\square$	T			+	+	-			
3	BH02	2			-+			-+		+				0822	X	X	X					1	+	-+			
4	B1702	4	+		-	X	$\neg$	-+		+	+		2/4/24		X	X	X					1	1	-+	-		L
					-		-+	$\rightarrow$		+		1	2/4/24	0837	X	X	X						T	-+	-		
			11			++	+	+		+	+	-					ļ		$\square$				T	1	-		
				1		++	+	+	╋	+-	+	-						$\perp$	-								
					1	$\uparrow \uparrow$		+	-	+		+					ļ			-+							
				T		11	1	1		+	+							1		-							
ENGTE: Liability and C	Dimograph Construction in A data		LT	T	T	TT	1	+	1	1	+	-		leiliptice company of				1	1	=							
s. All claims including t	Damages, Cardinal's liability and cl hose for negligence and any other hal be fiable for incidental or const ut of or related to the performance	ient's exclusive remedy for a cause whatsoever shall be	any claim a deemed w	tising v aived L	whether Inless r	based in made in wa	contra	ct or to	ort sha	ll be li	inited	to the	amount paid	by the client for	the			L					T	T		T	
s or successors arising a	nose for negligence and any other nal be fiable for incidental or const but of or related to the performance	e of services hereunder by C	y without lie Cardinal, re	nitation	a, busin as af wh	ess intern wher sur	iptions th claim	, loss o	ofuse,	or los	s of ph	olits i	30 days after incurred by clic	completion of th ent, its subsidiari	io applicable ies,												
ingenoriou ay.		Date: 019/24	Rece	eive	d By			1000	50000	GIT EST	y or uni	e abo	ve stated reas	ons or otherwis Verbal Res	e. sult: 1	7 Yes	Г	I No	IAr	AN DL	ione (	-	The second second		Annual second		
Time: 3/				All Results a							ailed.	Plea	se pro	vide	Email	addr											
nguished By:		Date:	Rece	ivec	i By	X																					
		Time:												REMARKS													
vered By: (Circl	e One) On	sorved Tomp. °G	110/		8	-1					-																
pler - UPS - Bus		-	.1	1	Coo	ple Co I Inta	100				CKP Initia			urnaround	Time:		itan	dard	F	Ba	icteria	(onl	v) Sa	mple	Condi	Har	
	whiles.	2º amoi bottoga	#141	1	171.	Yes			1	1	******	4138	6			2	23 seals		57		ol In	4	21 440	DIGHTS	CHARM	tion mp. °C	

cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 4/17/2024 12:35:00 PM



February 06, 2024

AIMEE COLE ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD, NM 88220

**RE: BAISH B BATTERY** 

Enclosed are the results of analyses for samples received by the laboratory on 02/01/24 13:24.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager


ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	02/01/2024	Sampling Date:	02/01/2024
Reported:	02/06/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03E2057054	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK ( 32.817358-103.754432 )		

### Sample ID: SS 12 0.5' (H240490-01)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2024	ND	1.96	98.1	2.00	12.2	
Toluene*	<0.050	0.050	02/01/2024	ND	2.06	103	2.00	12.4	
Ethylbenzene*	<0.050	0.050	02/01/2024	ND	2.01	101	2.00	12.3	
Total Xylenes*	<0.150	0.150	02/01/2024	ND	6.19	103	6.00	12.3	
Total BTEX	<0.300	0.300	02/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/02/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2024	ND	211	105	200	5.65	
DRO >C10-C28*	<10.0	10.0	02/01/2024	ND	212	106	200	6.81	
EXT DRO >C28-C36	<10.0	10.0	02/01/2024	ND					
Surrogate: 1-Chlorooctane	86.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.5	% 49.1-14	8						

### Cardinal Laboratories

### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	02/01/2024	Sampling Date:	02/01/2024
Reported:	02/06/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03E2057054	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK ( 32.817358-103.754432 )		

### Sample ID: SW 05 0-3' (H240490-02)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2024	ND	2.20	110	2.00	8.70	
Toluene*	<0.050	0.050	02/02/2024	ND	2.18	109	2.00	8.50	
Ethylbenzene*	<0.050	0.050	02/02/2024	ND	2.17	109	2.00	8.48	
Total Xylenes*	<0.150	0.150	02/02/2024	ND	6.36	106	6.00	8.78	
Total BTEX	<0.300	0.300	02/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/02/2024	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2024	ND	211	105	200	5.65	
DRO >C10-C28*	<10.0	10.0	02/01/2024	ND	212	106	200	6.81	
EXT DRO >C28-C36	<10.0	10.0	02/01/2024	ND					
Surrogate: 1-Chlorooctane	81.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.8	% 49.1-14	8						

### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	02/01/2024	Sampling Date:	02/01/2024
Reported:	02/06/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03E2057054	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK ( 32.817358-103.754432 )		

### Sample ID: SW 11 0-1' (H240490-03)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2024	ND	2.20	110	2.00	8.70	
Toluene*	<0.050	0.050	02/02/2024	ND	2.18	109	2.00	8.50	
Ethylbenzene*	<0.050	0.050	02/02/2024	ND	2.17	109	2.00	8.48	
Total Xylenes*	<0.150	0.150	02/02/2024	ND	6.36	106	6.00	8.78	
Total BTEX	<0.300	0.300	02/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.2	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	02/02/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2024	ND	211	105	200	5.65	
DRO >C10-C28*	14.2	10.0	02/01/2024	ND	212	106	200	6.81	
EXT DRO >C28-C36	<10.0	10.0	02/01/2024	ND					
Surrogate: 1-Chlorooctane	104 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103 9	% 49.1-14	8						

### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	02/01/2024	Sampling Date:	02/01/2024
Reported:	02/06/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03E2057054	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK ( 32.817358-103.754432 )		

### Sample ID: FS 23 1.5' (H240490-04)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2024	ND	2.20	110	2.00	8.70	
Toluene*	<0.050	0.050	02/02/2024	ND	2.18	109	2.00	8.50	
Ethylbenzene*	<0.050	0.050	02/02/2024	ND	2.17	109	2.00	8.48	GC-NC
Total Xylenes*	<0.150	0.150	02/02/2024	ND	6.36	106	6.00	8.78	
Total BTEX	<0.300	0.300	02/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	02/02/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	11.6	10.0	02/01/2024	ND	211	105	200	5.65	
DRO >C10-C28*	582	10.0	02/01/2024	ND	212	106	200	6.81	
EXT DRO >C28-C36	87.4	10.0	02/01/2024	ND					
Surrogate: 1-Chlorooctane	105 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104 9	% 49.1-14	8						

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	02/01/2024	Sampling Date:	02/01/2024
Reported:	02/06/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03E2057054	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK ( 32.817358-103.754432 )		

### Sample ID: FS 24 1' (H240490-05)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2024	ND	2.20	110	2.00	8.70	
Toluene*	<0.050	0.050	02/02/2024	ND	2.18	109	2.00	8.50	
Ethylbenzene*	<0.050	0.050	02/02/2024	ND	2.17	109	2.00	8.48	
Total Xylenes*	<0.150	0.150	02/02/2024	ND	6.36	106	6.00	8.78	
Total BTEX	<0.300	0.300	02/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.0	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	02/02/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2024	ND	211	105	200	5.65	
DRO >C10-C28*	63.7	10.0	02/01/2024	ND	212	106	200	6.81	
EXT DRO >C28-C36	14.3	10.0	02/01/2024	ND					
Surrogate: 1-Chlorooctane	99.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.6	% 49.1-14	8						

### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	02/01/2024	Sampling Date:	02/01/2024
Reported:	02/06/2024	Sampling Type:	Soil
Project Name:	BAISH B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03E2057054	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK ( 32.817358-103.754432 )		

### Sample ID: FS 25 1.5' (H240490-06)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2024	ND	2.20	110	2.00	8.70	
Toluene*	<0.050	0.050	02/02/2024	ND	2.18	109	2.00	8.50	
Ethylbenzene*	<0.050	0.050	02/02/2024	ND	2.17	109	2.00	8.48	
Total Xylenes*	<0.150	0.150	02/02/2024	ND	6.36	106	6.00	8.78	
Total BTEX	<0.300	0.300	02/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	02/02/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2024	ND	192	96.2	200	1.11	
DRO >C10-C28*	255	10.0	02/02/2024	ND	176	88.1	200	3.93	
EXT DRO >C28-C36	70.9	10.0	02/02/2024	ND					
Surrogate: 1-Chlorooctane	108 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## **Notes and Definitions**

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

### Cardinal Laboratories

### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 86240 (575) 393-2326 FAX (575) 393-2476

Project Manag	e: Ensolum, LLC						12	S. A.L	111.177	0	16	-			-					-		
	1.1000	Cole					P.O	しま	R.L		1	T		T	AA	ALY	SIS	REQ	VEST			
Address:	3/22 Nam		Hing				Cor	BOSISSA!			-					1			T		T	
illy: Q	alsbad	State: MA	Zip:	88	220		Company: Altin: Address:												1			
hone #:	220 384 73	SFar #:								-										1	1	
Toject 8: 0.	3E 2057054	Project Own	er:	Uni	erich		City	and the second sec			-										1	1
roject Name:	· Baish B	Batter.			7,00		Stat				-									1		
roject Location	11: 32,817	358 -10	3.7	544	122				Zip:				and the set						ŀ		1	
ampler Name:	Bann	Huncs			136	1		ne ik												1.4		
OR LAB USE ONLY		199	TT	1	MATE	and the second second	Fair	RESERV	a gan	PLING	distant.		1			1						
240490		WHODIA	WP.		TT	TI	T	TT		1						1		1				
.ab I.D.	Commin 1 5	Depth	(G)RAB OR (C)OMP.	GROUNDWATER	¥			X			deno-central		1			1						-
CILP College	Sample I.D.	(feet)	OR	DWA	TAN		11	5			Ha	١.	IT						1			
			(G)RAB OR (C)C	NNC	SOIL SOIL	SLUDGE	OTHER : ACID/BASE	ICE / COOL OTHER :			A	-	F		1			1				
	CUID			GRO	NOS NO	SLU	ACIE	ICE / CO	DATE	TIME	F	0	$\overline{\omega}$									
2	5512	0.5	G 1		x	TT	T	×	2/1/24		x		-	┝			<u> </u>	<u> </u>				l
3	5605 5611	6-3'	CI		11		T	1	(	1117	-	×	×									ſ
- Ŭ	FSZ3	6-1'	HH		11					1115		-+-	$\vdash$						-			L
6	FSZY	1.5'	H-H-		41					6049		+								_		L
6	F525	1.51	11		H-					0852	11	1		-					$\vdash$			4
		113	Y I			$\square$		Y	V	0855	V	V	V									-
					++-															-+		-
		and the state of t																	-		-+	-
				-							_								=		-+	-
All claims including th	anages, Cordinate liability and clim tobe for negligence and any other o cd be fishife for insidential or concept at of or related to the performance of the for related to the performance	nte exclusive remady for any	claim arisin	whether	brand in con	tector to	t sheeti	to limited to a	to bigging and	hellin alle 14									-	-	-	-
er successaris arbitrer at	oce for negligence and any other c ci be liable for incidental or concer at of or related to the performance o	wohiel damagae, including u	Strout fimital	i unless n on, busine	ude la valla cointerrupti	and test	fute, or	Cordinal with	in 30 days after a	completion of the o	pplicable											-
quished By:	at of manyo to moldenial or concer at of or related to the performance of		Receiv	oci By:	dilar such d	aim in land	ed upor	corport the al	NAME OF COLOR OF COLOR	ODD OF OBTERVESS									1			
-KN	m	Timo: 1324			dp	in		,0	4	Verbal Results an	ic: []	iled.	Please	to I	Add' P	hone #	1					100
quished By:	Have the second s		Receive	- Cl	110	y	ul	Y		a	1.00	100	a e	250	1	. (0	M					
		Tima:	1000101	wa way:				0		REMARKS:					un n				2			_
ered By: (Circle	One)																					1
for - UPS - Bus		orved Tomp. "C	ei	Cool	le Conc Intaci		C	HECKED	8Y: 1	umpround T	ime:	5	tanda	rd E		nainale	lough 1					
FORMFOOD RT.	1-000	seted Tomp. °C	-	A		85		Timitime	25.42	urnaround T H140	11110	R	ush	Ĺ	J G0	Mol Inde	122	Olenn	e Condi Irved Te			No. of Lot, House, No.
		† Cardinal can	pot no-		della	000 [			C	percenten Fact	0.5	C	-	-		No	1Yes Mo	Corre	adad To	mp. °C		and the second

Received by OCD: 4/17/2024 12:35:00 PM

1000



# APPENDIX E

# NMOCD Correspondence

Released to Imaging: 5/14/2024 11:22:06 AM

From:	<u>Aimee Cole</u>
To:	<u>Aimee Cole</u>
Subject:	Maverick Permian, LLC - Extension Request - Baish B Battery (Incident Number NAPP2235372941)
Date:	Friday, February 16, 2024 12:28:02 PM
Attachments:	image.png
	image.png
	image.png
	image.png
	Outlook-o5rxltz4.png
	image001.png
	image002.png
	image003.png
	image004.png



Aimee Cole Senior Managing Scientist 720-384-7365 Ensolum, LLC

From: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Sent: Friday, February 16, 2024 12:27 PM
To: Aimee Cole <acole@ensolum.com>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: Re: [EXTERNAL] Maverick Permian, LLC - Extension Request - Baish B Battery (Incident Number NAPP2235372941)

## [ \*\*EXTERNAL EMAIL\*\*]

Good afternoon Aimee,

Your 60-day time extension request is approved. Remediation Due date has been updated to April 15, 2024.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

Regards,

Nelson Velez • Environmental Specialist - Adv

Environmental Bureau | EMNRD - Oil Conservation Division

1000 Rio Brazos Road | Aztec, NM 87410

(505) 469-6146 | nelson.velez@emnrd.nm.gov

http://www.emnrd.state.nm.us/OCD/



From: Wells, Shelly, EMNRD <<u>Shelly.Wells@emnrd.nm.gov</u>>
Sent: Wednesday, February 14, 2024 3:49 PM
To: Velez, Nelson, EMNRD <<u>Nelson.Velez@emnrd.nm.gov</u>>
Cc: Bratcher, Michael, EMNRD <<u>mike.bratcher@emnrd.nm.gov</u>>
Subject: FW: [EXTERNAL] Maverick Permian, LLC - Extension Request - Baish B Battery (Incident
Number NAPP2235372941)

From: Aimee Cole <a cole@ensolum.com</pre>

Sent: Wednesday, February 14, 2024 3:46 PM

To: Enviro, OCD, EMNRD <<u>OCD.Enviro@emnrd.nm.gov</u>>

**Subject:** [EXTERNAL] Maverick Permian, LLC - Extension Request - Baish B Battery (Incident Number NAPP2235372941)

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

To Whom It May Concern,

Maverick Permian, LLC (Maverick) is requesting an extension of the current February 15, 2024, deadline for submitting a report required in 9.15.29.12.B.(1) NMAC detailing remedial actions at the Baish B Battery (Incident Number NAPP2235372941). Excavation activities commenced on January 26, 2024, and were completed on February 9, 2024. Maverick is requesting an extension of the current deadline in order to install a soil boring to confirm depth to groundwater greater than 55 feet at the Site and confirm the applied Closure Criteria. In order to schedule a drilling contractor, complete the soil boring, and prepare a report Maverick requests a 60-day extension until April 15, 2024.

Thank you,



	Senior Managing Scientist
?	720-384-7365
	Ensolum, LLC

From: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Sent: Wednesday, February 21, 2024 12:01 PM
To: Aimee Cole <acole@ensolum.com>
Subject: Re: [EXTERNAL] FW: The Oil Conservation Division (OCD) has approved the application, Application ID: 250693

## **\*\*EXTERNAL EMAIL\*\***

Good afternoon Aimee,

Thank you for the correspondence. Your bore hole location is approved.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

The OCD requires a copy of all correspondence relative to remedial activities be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, sample events, spill/release/fire, and request for time extensions or variances.

Regards,

**Nelson Velez** • Environmental Specialist - Adv Environmental Bureau | EMNRD - Oil Conservation Division 1000 Rio Brazos Road | Aztec, NM 87410 (505) 469-6146 | <u>nelson.velez@emnrd.nm.gov</u> <u>http://www.emnrd.state.nm.us/OCD/</u>



From: Aimee Cole <acole@ensolum.com>
Sent: Wednesday, February 21, 2024 11:50 AM
To: Velez, Nelson, EMNRD <<u>Nelson.Velez@emnrd.nm.gov</u>>
Subject: [EXTERNAL] FW: The Oil Conservation Division (OCD) has approved the application, Application
ID: 250693

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

Hi Nelson,

Per condition #2 below, Maverick is providing the proposed location of the soil boring for depth to water determination at Baish B Battery (Incident Number: NAPP2235372941).

Maverick proposes to advance the soil boring to a depth of 55 feet at the Baish B Battery (on the same pad as the release location). See below aerial image.

Let me know if you have any questions or require any additional information.





Aimee Cole Senior Managing Scientist 720-384-7365 Ensolum, LLC From: OCDOnline@state.nm.us <OCDOnline@state.nm.us> Sent: Friday, November 17, 2023 6:57 AM

To: Aimee Cole <<u>acole@ensolum.com</u>>

Subject: The Oil Conservation Division (OCD) has approved the application, Application ID: 250693

## [ \*\*EXTERNAL EMAIL\*\*]

To whom it may concern (c/o Aimee Cole for Maverick Permian LLC), The OCD has approved the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2235372941, with the following conditions:

Remediation plan is approved with the following conditions; 1. In order to achieve a more accurate estimation for depth to water, Maverick Permian must drill an exploratory boring as close to the point of release to determine if water is greater than 50 feet or choose to utilize the most stringent closure criteria.
 Maverick must receive OCD pre-approval of the boring location prior to its advancement. Email correspondence is acceptable.
 Maverick has 90-days (February 15, 2024) to submit its appropriate or final closure report.

The signed C-141 can be found in the OCD Online: Imaging under the incident ID (n#).

If you have any questions regarding this application, please contact me.

Thank you, Nelson Velez Environmental Specialist – Advanced 505–469–6146 <u>Nelson.Velez@emnrd.nm.gov</u> **New Mexico Energy, Minerals and Natural Resources Department** 1220 South St. Francis Drive

Santa Fe, NM 87505

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

QUESTIONS

Action 334454

QUESTIONS				
Operator:	OGRID:			
Maverick Permian LLC	331199			
1000 Main Street, Suite 2900	Action Number:			
Houston, TX 77002	334454			
	Action Type:			
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)			

### QUESTIONS

Prerequisites				
Incident ID (n#)	nAPP2235372941			
Incident Name	NAPP2235372941 BAISH B BATTERY @ 0			
Incident Type	Oil Release			
Incident Status	Remediation Closure Report Received			

#### Location of Release Source

lease answer all the questions in this group.						
Site Name	BAISH B BATTERY					
Date Release Discovered	11/30/2022					
Surface Owner	Federal					

### Incident Details

Please answer all the questions in this group.				
Incident Type	Oil Release			
Did this release result in a fire or is the result of a fire	No			
Did this release result in any injuries	No			
Has this release reached or does it have a reasonable probability of reaching a watercourse	No			
Has this release endangered or does it have a reasonable probability of endangering public health	No			
Has this release substantially damaged or will it substantially damage property or the environment	No			
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No			

### Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.						
Crude Oil Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc.   Production Tank   Crude Oil   Released: 7 BBL   Recovered: 0 BBL   Lost: 7 BBL.					
Produced Water Released (bbls) Details	Not answered.					
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.					
Condensate Released (bbls) Details	Not answered.					
Natural Gas Vented (Mcf) Details	Not answered.					
Natural Gas Flared (Mcf) Details	Not answered.					
Other Released Details	Not answered.					
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.					

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

QUESTIONS, Page 2

Action 334454

**QUESTIONS** (continued) Operator: OGRID: Maverick Permian LLC 331199 1000 Main Street, Suite 2900 Action Number: Houston, TX 77002 334454 Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

	Nature and Volume of Release (continued)							
	Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.						
ĺ	Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No						
	Reasons why this would be considered a submission for a notification of a major release	Unavailable.						
l	With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.							

Initial	Response
---------	----------

The responsible party must undertake the following actions immediately unless they could create a s	afety hazard that would result in injury.					
The source of the release has been stopped	True					
The impacted area has been secured to protect human health and the environment	True					
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True					
All free liquids and recoverable materials have been removed and managed appropriately	True					
If all the actions described above have not been undertaken, explain why	Not answered.					
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.					
to report and/or file certain release notifications and perform corrective actions for releat the OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or					
I hereby agree and sign off to the above statement	Name: Aimee Cole Email: acole@ensolum.com Date: 04/17/2024					

District I

1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

#### District III

Operator

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

> Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002

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

Page 198 of 203

QUESTIONS, Page 3

Action 334454

QUESTIONS (co	ntinued)
	OGRID:
	331199

OGRID.	Í.
331199	l
Action Number:	l
334454	
Action Type:	Ĺ
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	Ĺ

### QUESTIONS

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release ar	id the following surface areas:
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

#### Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date. Requesting a remediation plan approval with this submission Yes Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC. Have the lateral and vertical extents of contamination been fully delineated Yes Was this release entirely contained within a lined containment area No Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.) Chloride (EPA 300.0 or SM4500 CI B) 752 TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M) 681 GRO+DRO (EPA SW-846 Method 8015M) 594 BTEX (EPA SW-846 Method 8021B or 8260B) 0.5 (EPA SW-846 Method 8021B or 8260B) Benzene 0 Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation. On what estimated date will the remediation commence 02/27/2023 On what date will (or did) the final sampling or liner inspection occur 02/01/2024 On what date will (or was) the remediation complete(d) 02/01/2024 What is the estimated surface area (in square feet) that will be reclaimed 4300 What is the estimated volume (in cubic yards) that will be reclaimed 500 What is the estimated surface area (in square feet) that will be remediated 5000 What is the estimated volume (in cubic yards) that will be remediated 700 These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed. The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required

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

QUESTIONS, Page 4

Action 334454

QUESTIONS (continued)	
Operator:	OGRID:
Maverick Permian LLC	331199
1000 Main Street, Suite 2900	Action Number:
Houston, TX 77002	334454
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

### QUESTIONS

Remediation Plan (continued)

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date. This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants: (Select all answers below that apply.) (Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.) Yes Which OCD approved facility will be used for off-site disposal R360 Artesia LLC LANDFARM [fEEM0112340644] OR which OCD approved well (API) will be used for off-site disposal Not answered. OR is the off-site disposal site, to be used, out-of-state Not answered. OR is the off-site disposal site, to be used, an NMED facility Not answered. (Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms) No (In Situ) Soil Vapor Extraction No (In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.) No (In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.) No (In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.) No Ground Water Abatement pursuant to 19.15.30 NMAC No OTHER (Non-listed remedial process) No Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. Name: Aimee Cole I hereby agree and sign off to the above statement Email: acole@ensolum.com

Date: 04/17/2024 The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

Page 200 of 203

Action 334454

QUESTIONS (continued)	
Operator: Maverick Permian LLC	OGRID: 331199
1000 Main Street, Suite 2900 Houston, TX 77002	Action Number: 334454
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)
QUESTIONS	

### Deferral Requests Only

Only answer the questions in this group if seeking a deferral upon approval this submission. Each of	the following items must be confirmed as part of any request for deferral of remediation.
Requesting a deferral of the remediation closure due date with the approval of this submission	No

District I 1625 N. French Dr., Hobbs, NM 88240 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

.

QUESTIONS, Page 6

Action 334454

QUESTIONS (continued)		
Operator:	OGRID:	
Maverick Permian LLC	331199	
1000 Main Street, Suite 2900	Action Number:	
Houston, TX 77002	334454	
	Action Type:	
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	312411
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/09/2024
What was the (estimated) number of samples that were to be gathered	2
What was the sampling surface area in square feet	400

**Remediation Closure Request** 

Only answer the questions in this group if seeking remediation closure for this release because all re	emediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes	
What was the total surface area (in square feet) remediated	5000	
What was the total volume (cubic yards) remediated	700	
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes	
What was the total surface area (in square feet) reclaimed	4300	
What was the total volume (in cubic yards) reclaimed	500	
Summarize any additional remediation activities not included by answers (above)	Remediation was completed in accordance with the approved Work Plan.	
The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.		

I hereby agree and sign off to the above statement	Name: Aimee Cole Email: acole@ensolum.com
	Date: 04/17/2024

District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 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

QUESTIONS, Page 7

Action 334454

Page 202 of 203

QUESTIONS (continued)	
Operator: Maverick Permian LLC	OGRID: 331199
1000 Main Street, Suite 2900 Houston, TX 77002	Action Number: 334454
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)
QUESTIONS	-
Reclamation Report	

Only answer the questions in this group if all reclamation steps have been completed. Requesting a reclamation approval with this submission

No

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 334454

Operator: OGRID: Maverick Permian LLC 331199 1000 Main Street, Suite 2900 Action Number: Houston, TX 77002 334454 Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

### CONDITIONS

Created By	Condition	Condition Date
nvelez	Remediation closure report approved, release resolved. Soil impacts exceeding the reclamation standards have been left in place and are required to meet 19.15.29.13D (1) NMAC once the site is no longer reasonably needed for production or subsequent drilling ops.	5/14/2024