

December 9, 2024

District II New Mexico Oil Conservation Division 811 S. First Street Artesia, New Mexico 88210

Re: Closure Request

Federal 01 Battery

API Number: 30-015-26775 BLM Lease Number: NM-12845

NMOCD Incident Number: nAPP2211060378

**Eddy County, New Mexico** 

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Oxy USA, Inc. (Oxy), has prepared the following Closure Request to document excavation and soil sampling activities completed to address impacted soil at the Federal 01 Battery (Site). Soil was impacted by a release of produced water onto the surface of the well pad, and flowed to the south off of the well pad. Based on the excavation activities and analytical results from the soil sampling events, Oxy is submitting this Closure Request, describing remediation that has occurred and requesting closure for Incident Number nAPP2211060378.

### SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit K, Section 1, Township 22 South, Range 31 East, in Eddy County, New Mexico (32.419379° N, 103.733445° W) and is associated with oil and gas exploration and production operations on federal land managed by the Bureau of Land Management (BLM).

On April 18, 2022, an equipment failure caused a water tank to overflow resulting in the release of approximately 35 barrels (bbls) of produced water. A vacuum truck was immediately dispatched to the Site to recover free-standing fluids; approximately 30 bbls of produced water were recovered. Oxy reported the release to the NMOCD on April 20, 2022 and submitted Form C-141 on April 29, 2022. The release was assigned Incident Number nAPP2211060378.

### SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized according to Table 1, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented on page 3 of the Form C-141, Site Assessment/Characterization.

Depth to groundwater at the Site is estimated to be greater than 50 feet below ground surface (bgs) and less than 100 feet bgs based on the nearest groundwater well data. In a report dated April 15, 2019, GHD Services Inc. (GHD) installed multiple soil borings in order to determine groundwater depth for EOG Resources (EOG) at the Livingston Ridge #2 SWD Water Line Site. Soil boring SB-5, located 786

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants 601 N Marienfield St. Suite #400 | Midland, TX 78209 | ensolum.com

Oxy USA Inc. Closure Request Federal 01 Battery



feet southwest of the Site, was drilled down to a depth of 130 feet bgs and soil boring SB-6, located 649 feet southwest of the Site, was drilled down to a depth of 96.5 feet bgs. Groundwater was not encountered during the advancement of SB-5 or SB-6. The referenced well records are included in **Appendix A**.

The closest continuously flowing or significant watercourse to the Site is a stream approximately 3,005 feet northeast of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology but is located within a low karst potential designation area. A Closure Criteria Map is included on **Figure 4**.

Based on the results of the Site Characterization, the following NMOCD Table 1 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

Total TPH: 2,500 mg/kgChloride: 10,000 mg/kg

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

### SITE ASSESSMENT AND SAMPLING ACTIVITIES

Between July 1, 2024 and August 26, 2024, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. A total of 9 delineation soil samples (SS10 through SS18) were collected around the release extent from a depth of 0.5 feet bgs to assess the lateral exent of the release, and 18 soil samples were collected from 9 locations (SS01 through SS09) at depths ranging from 0.5 to 4 feet bgs to further delineate the lateral vertical extent of the release. The soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride Hach® chloride QuanTab® test strips. The release extent and soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit. 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 samples were relinquished to Cardinal Laboratories in Hobbs, New Mexico, under proper chain-of-custody procedures, for analysis of 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 SM4500Cl-B.

Laboratory analytical results for delineation soil sample SS02 (0.5 ft bgs) and SS14 (0.5 ft bgs), collected within the release extent, indicated that TPH and/or chloride concentrations exceeded the Closure Criteria. Laboratory analytical results for the assessment soil samples SS01, SS02 (4 ft bgs), SS03 through SS09, collected within the release extent at depths ranging from 0.5 to 4 ft bgs and the

Oxy USA Inc. Closure Request Federal 01 Battery



delineation soil samples (SS09 through SS13, and SS15 through SS18) collected from around the release extent at a depth of 0.5 ft bgs, indicated that benzene, BTEX, TPH, and chloride concentrations were compliant with the strictest Table 1 Closure Criteria, and confirmed the lateral and vertical extent of the release. Laboratory analytical results are summarized on **Table 1** (Vegetative Zone) and **Table 2** (Non-Vegetative Zone). Complete laboratory analytical reports are included in Appendix C. Based on the laboratory analytical results; additional remediation activities were warranted.

### **EXCAVATION SOIL SAMPLING ACTIVITIES AND ANALYTICAL RESULTS**

From August 26, 2024 through October 3, 2024, Ensolum personnel returned to the Site to collect composite confirmation samples as well as oversee excavation activites. Impacted soil was excavated from the release area as indicated by visible staining and laboratory analytical results for the assessmet and delineation soil samples. Excavation activities were performed using a backhoe and transport vehicle as well as a hydrovac. To direct excavation activities, soil was screened for volatile aromatic hydrocarbons and chloride utilizing a PID and Hach® chloride QuanTab® test strips, respectively. The excavations were completed in the area of soil sample SS02 to a depth of 4 feet bgs, the area of soil sample SS14 to a depth of 0.5 feet bgs, and in the area of soil sampes SS27 and SS35 to a depth of 2 feet bgs. Photographic documentation of the excavation activities is included in **Appendix B**.

Following removal of the impacted soil, 5-point composite soil samples were collected at least every 200 square feet from the floor of the excavation or from within the release extent, and every 200 square feet from the sidewalls of the excavations. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples (SS19 through SS97) were collected from within the release extent from a depth of 0.5 feet bgs. Composite floor soil samples SS27 and SS35 were collected from the floor of the excavation at a depth of 2 feet bgs, and composite soil sample SS03 was collected from the floor of the excavation at a depth of 4 feet bgs. The sidewall soil samples were collected, handled, and analyzed following the same procedures as described above. Composite sidewall soil samples SW01 through SW04 were collected from the sidewall of the excavation from depths ranging from 0 feet bgs to 2 feet bgs and/or from 0 feet bgs to 4 feet bgs. The excavation extent and excavation soil sample locations are presented on **Figure 3**.

The excavation area measured approximately 600 square feet. A total of approximately 60 cubic yards of impacted soil were removed during the excavation activities. The impacted soil was transported and properly disposed of at the Lealand Landfill in Carlsbad, New Mexico. After confirmation sampling was completed, the backfill of th excavation was completed utilizing material purchased locally from the Lea Land Caliche Pit and re-contoured to match pre-existing conditions. The Backfill Site Map is presented as **Figure 5**, laboratory analytical results for the backfill material are summarized on **Table 3** and complete laboratory analytical reports are included in **Appendix C**.

Laboratory analytical results for the final excavation samples SS19 through SS97, and final excavation sidewall samples SW01 through SW04 indicated that benzene, BTEX, TPH, and chloride concentrations were compliant with the Closure Criteria and no further remediation was required. The laboratory analytical results are summarized on **Table 1** (Vegetative Zone) and **Table 2** (Non-Vegetative Zone). The complete laboratory analytical reports are included in **Appendix C**.

### **CLOSURE REQUEST**

Site assessment and excavation activities were conducted at the Site to address the April 18, 2022 release of produced water. Laboratory analytical results for the soil samples, collected from the release extent and the final excavation extent, indicated benzene, BTEX, TPH, and chloride concentrations were

Oxy USA Inc. Closure Request Federal 01 Battery



compliant with applicable Closure Criteria. Based on the soil sample laboratory analytical results, no further remediation is required. Oxy has completed backfill of the excavation with material purchased locally and recontoured the Site to match pre-existing site conditions. The off-pad areas will be seeded utilizing a weed-free seed mix designed by the BLM to meet the reclamation standard for this region. As such, Oxy respectfully requests closure for Incident Number nAPP2211060378.

If you have any questions or comments, please contact Mr. Beaux Jennings at (210) 219-8858 or bjennings@ensolum.com.

Sincerely, **Ensolum**, **LLC** 

Georgiana McSwane Project Manager

Georgian Masar

Beaux Jennings Associate Principal

cc: Wade Dittrich, Oxy USA Inc.

Tyson Pierce, Oxy USA Inc. Bureau of Land Management

### Appendices:

### **Figures**

Figure 1 Topographic Map Figure 2 Site Vicinity Map

Figure 3 Site Map

Figure 4 Closure Criteria Map Figure 5 Backfill Site Map

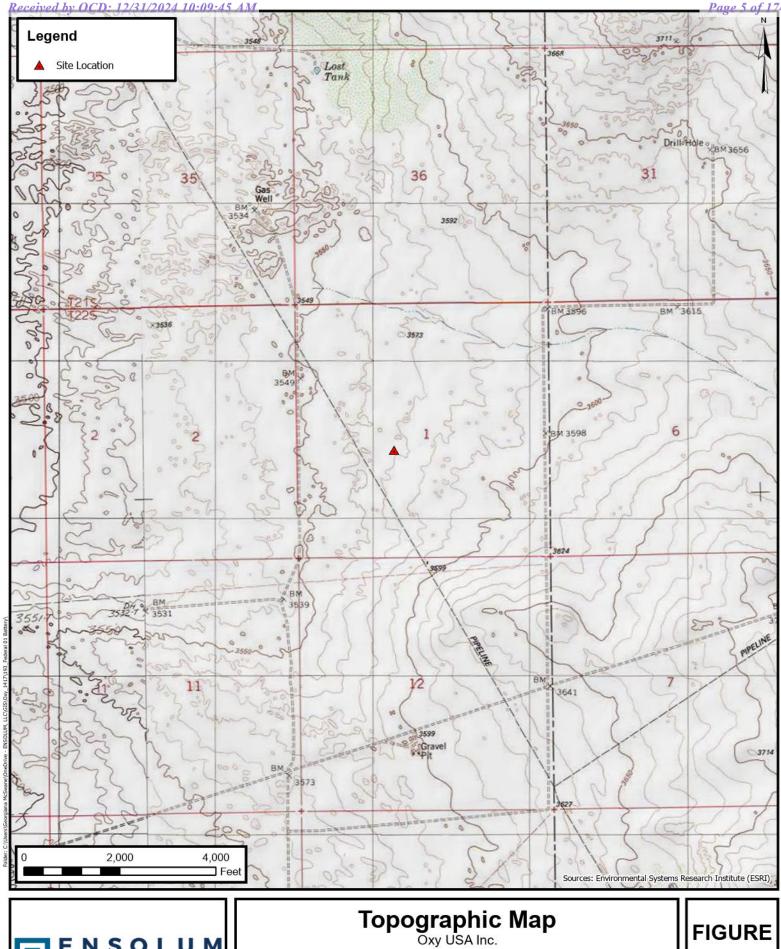
Table 1 Soil Sample Analytical Results (Vegetative Zone)
Table 2 Soil Sample Analytical Results (Non-Vegetative Zone)

Table 3 Backfill Soil Sample Analytical Results

Appendix A Referenced Well Records

Appendix B Photographic Log

Appendix C Laboratory Analytical Reports & Chain-of-Custody Documentation

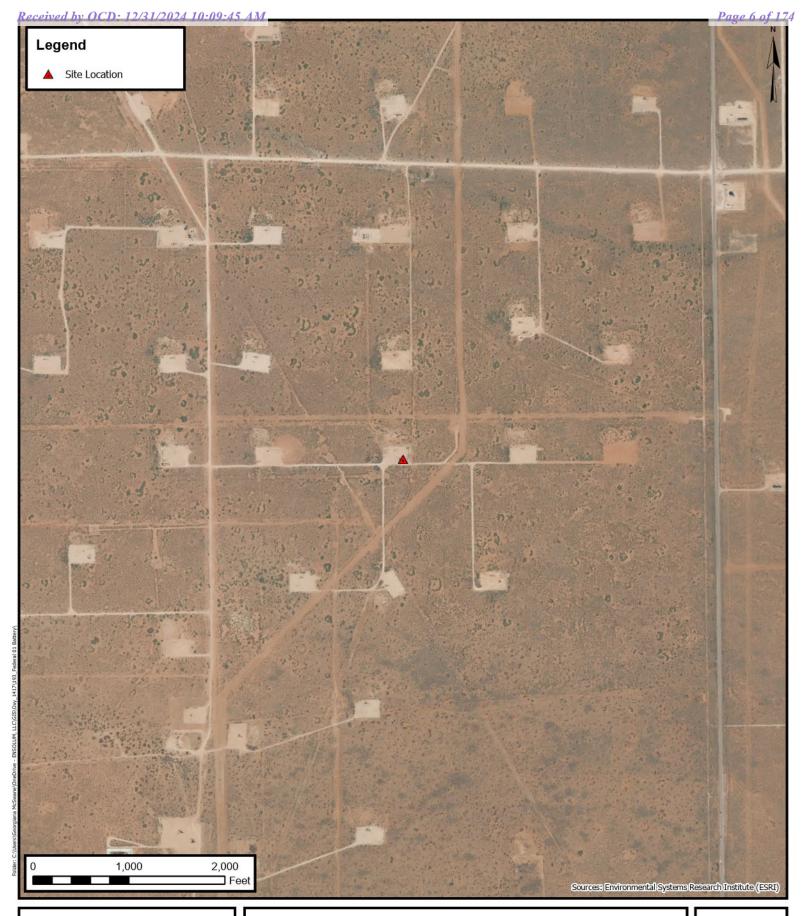




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Federal 01 Battery 32.419379° N, 103.733442° W Eddy County, New Mexico

PROJECT NUMBER: 03B1417193

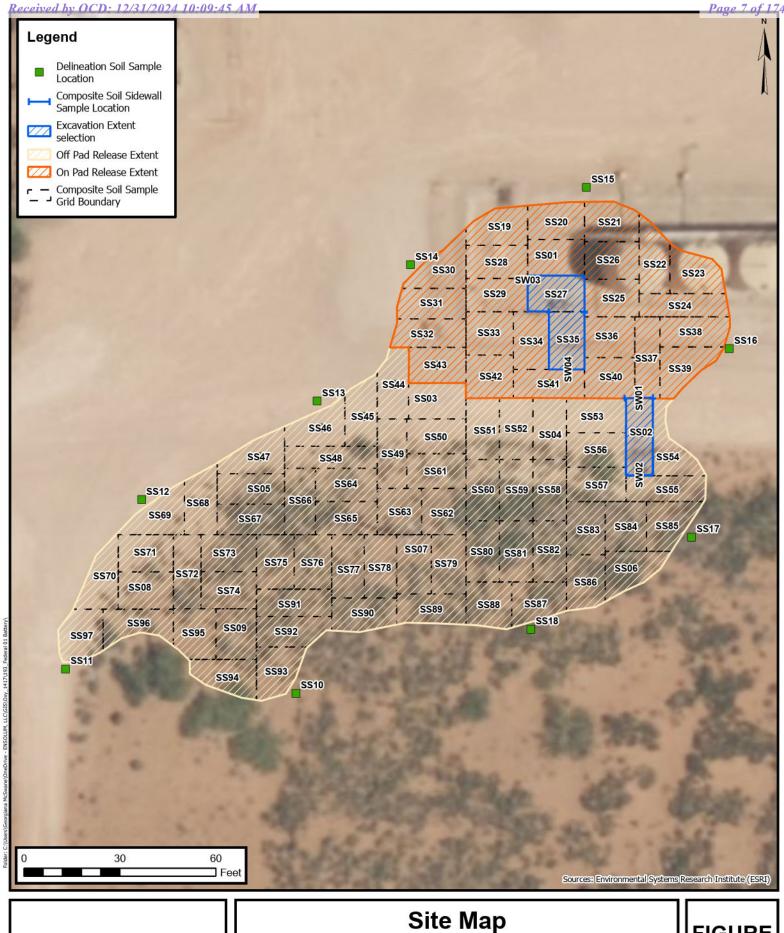




Site Vicinity Map
Oxy USA Inc.
Federal 01 Battery 32.419379° N, 103.733442° W Eddy County, New Mexico

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**FIGURE** 2



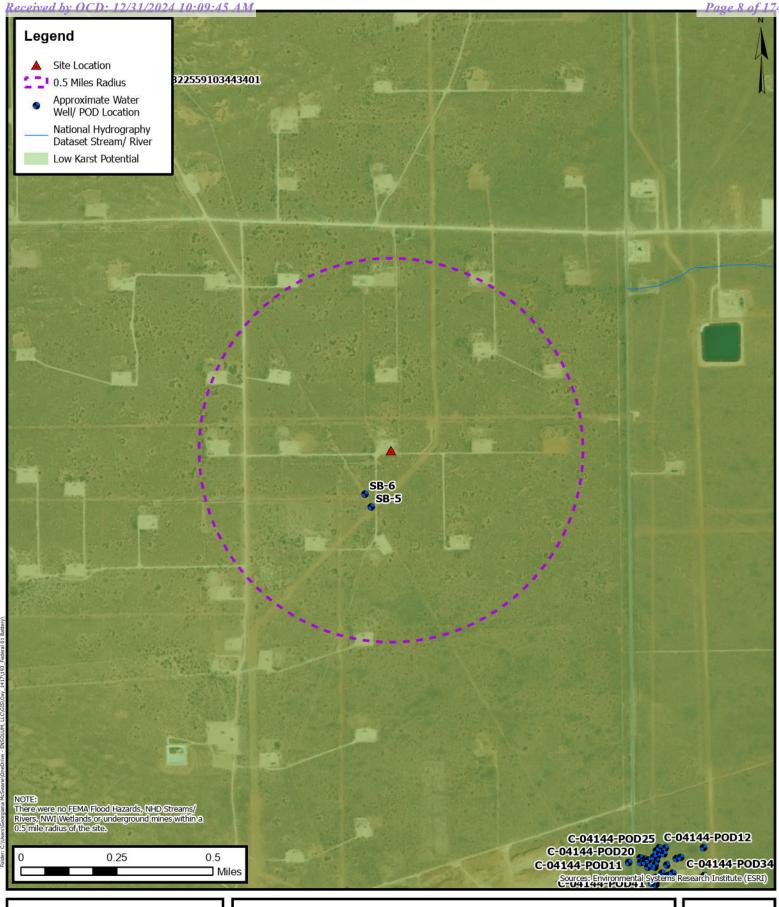


Oxy USA Inc. Federal 01 Battery 32.419379° N, 103.733442° W Eddy County, New Mexico

PROJECT NUMBER: 03B1417193

**FIGURE** 3

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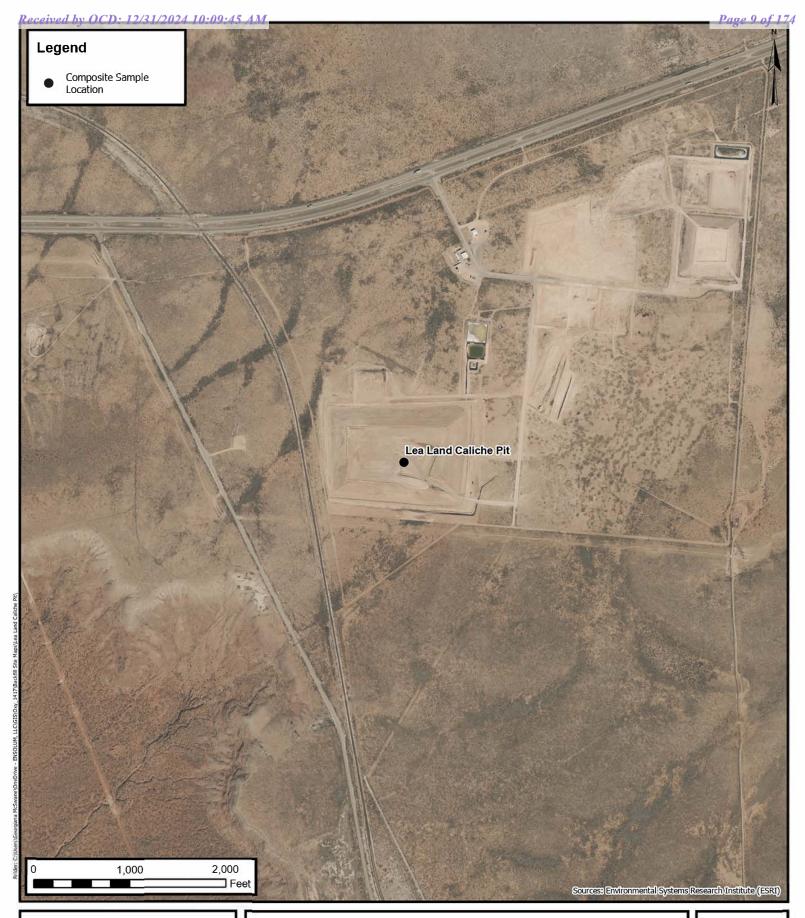
### **Closure Criteria Map**

Oxy USA Inc. Federal 01 Battery 32.419379° N, 103.733442° W Eddy County, New Mexico

PROJECT NUMBER: 03B1417193

FIGURE 4

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## **Backfill Site Map**

Lea Land Caliche Pit 32.5232397° N, 103.7845410° W Lea County, New Mexico FIGURE 5

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### TABLE 1

### SOIL SAMPLE ANALYTICAL RESULTS (Vegetative Zone)

Federal 01 Battery
Oxy USA, Inc.
Eddy County, New Mexico
Ensolum Proiect No. 03B1417193

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO C <sub>6</sub> -C <sub>12</sub> (mg/kg)	TPH DRO >C <sub>12</sub> -C <sub>28</sub> (mg/kg)	TPH MRO >C <sub>28</sub> -C <sub>35</sub> (mg/kg)	TPH Total C <sub>6</sub> -C <sub>35</sub> (mg/kg)	Chloride (mg/kg)
	onservation Division pacted by a Releas		10	NE	NE	NE	50	NE	NE	NE	100	600
				Delir	neation Soil Samp	le Analytical R	Results					
SS10	08/05/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
SS11	08/05/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
SS12	08/05/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SS13	08/05/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
SS14	08/05/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	193	118	311	48.0
3314	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	480
SS15	08/05/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
SS16	08/05/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
SS17	08/05/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
SS18	08/05/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
				Asse	ssment Soil Samp	ole Analytical F	Results					
0000	07/01/2024	0.5	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	7,600
SS02	08/26/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
SS03	07/01/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	128
5503	08/26/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
SS04	07/01/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
5504	08/26/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
0005	07/01/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SS05	08/26/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
0000	07/01/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SS06	08/26/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
0007	07/01/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SS07	08/26/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
0000	07/01/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SS08	08/26/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
0000	07/01/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SS09	08/26/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
				Confi	rmation Soil Sam	ole Analytical I	Results					
SS44	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
SS45	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
SS46	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
SS47	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0



### TABLE 1

### SOIL SAMPLE ANALYTICAL RESULTS (Vegetative Zone)

Federal 01 Battery
Oxy USA, Inc.
Eddy County, New Mexico
Ensolum Proiect No. 03B1417193

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO C <sub>6</sub> -C <sub>12</sub> (mg/kg)	TPH DRO >C <sub>12</sub> -C <sub>28</sub> (mg/kg)	TPH MRO >C <sub>28</sub> -C <sub>35</sub> (mg/kg)	TPH Total C <sub>6</sub> -C <sub>35</sub> (mg/kg)	Chloride (mg/kg)
	onservation Division pacted by a Releas	on Closure Criteria se (<50' bgs)	10	NE	NE	NE	50	NE	NE	NE	100	600
SS48	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
SS49	09/12/2024	0.5	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SS50	09/12/2024	0.5	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SS51	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SS52	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
SS53	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
SS54	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SS55	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SS56	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SS57	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SS58	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SS59	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SS60	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SS61	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SS62	09/12/2024	0.5	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SS63	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SS64	09/12/2024	0.5	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SS65	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SS66	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SS67	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SS68	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SS69	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
SS70	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
SS71	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
SS72	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SS73	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SS74	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
SS75	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
SS76	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SS77	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
SS78	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
SS79	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
SS80	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0

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### TABLE 1

### SOIL SAMPLE ANALYTICAL RESULTS (Vegetative Zone)

### **Federal 01 Battery**

Oxy USA, Inc.

Eddy County, New Mexico Ensolum Project No. 03B1417193

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO C <sub>6</sub> -C <sub>12</sub> (mg/kg)	TPH DRO >C <sub>12</sub> -C <sub>28</sub> (mg/kg)	TPH MRO >C <sub>28</sub> -C <sub>35</sub> (mg/kg)	TPH Total C <sub>6</sub> -C <sub>35</sub> (mg/kg)	Chloride (mg/kg)
	onservation Division pacted by a Releas	on Closure Criteria e (<50' bgs)	10	NE	NE	NE	50	NE	NE	NE	100	600
SS81	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
SS82	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
SS83	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SS84	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SS85	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
SS86	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
SS87	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
SS88	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
SS89	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SS90	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SS91	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SS92	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SS93	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SS94	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SS95	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SS96	09/12/2024	0.5	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SS97	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
				Excavati	on Sidewall Soil S	ample Analytic	cal Results					
SW01	10/03/2024	0-4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	400
SW02	10/03/2024	0-4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0

Concentrations in bold and yellow exceed the New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release

represents samples that have been excavated and/or resampled

bgs: below ground surface mg/kg: milligrams per kilogram NE: Not Established

mg/kg: milligrams per kilogram

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics DRO: Diesel Range Organics

MRO: Motor Oil/Lube Oil Range Organics

TPH: Total Petroleum Hydrocarbons



### TABLE 2

### SOIL SAMPLE ANALYTICAL RESULTS (Non-Vegetative Zone)

Federal 01 Battery Oxy USA, Inc. Eddy County, New Mexico Ensolum Project No. 03B1417193

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO C <sub>6</sub> -C <sub>12</sub> (mg/kg)	TPH DRO >C <sub>12</sub> -C <sub>28</sub> (mg/kg)	TPH MRO >C <sub>28</sub> -C <sub>35</sub> (mg/kg)	TPH GRO+DRO C <sub>6</sub> - C <sub>28</sub> (mg/kg)	TPH Total C <sub>6</sub> -C <sub>35</sub> (mg/kg)	Chloride (mg/kg)
	Dil Conservation Di s Impacted by a Ro bgs)		10	NE	NE	NE	50	NE	NE	NE	1,000	2,500	10,000
					Assessment So	oil Sample An	alytical Result	s					
SS01	07/01/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	84.6	38.8	84.6	123	1,780
3301	08/27/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,440
					Confirmation S	oil Sample Ar	nalytical Result	s					
SS19	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	24.5	<10.0	24.5	24.5	112
SS20	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	669	480	669	1,149	9,730
SS21	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
SS22	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	592
SS23	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	388	99.4	388	487	48.0
SS24	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SS25	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	13.7	<10.0	13.7	13.7	4,500
SS26	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,090
	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	12,500
SS27	10/04/2024	2			F	<u> </u>	NA	\		1	1		800
SS28	09/12/2024	0.5	< 0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
SS29	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,680
SS30	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	800
SS31	09/12/2024	0.5	< 0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SS32	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SS33	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	9,400
SS34	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,250
2225	09/12/2024	0.5	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	11,600
SS35	10/04/2024	2					NA	\					1,220
SS36	09/12/2024	0.5	< 0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,760
SS37	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	624
SS38	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SS39	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SS40	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SS41	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SS42	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SS43	09/12/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0

### ENSOLUM

### TABLE 2

### SOIL SAMPLE ANALYTICAL RESULTS (Non-Vegetative Zone)

### Federal 01 Battery

Oxy USA, Inc. Eddy County, New Mexico Ensolum Project No. 03B1417193

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO C <sub>6</sub> -C <sub>12</sub> (mg/kg)	TPH DRO >C <sub>12</sub> -C <sub>28</sub> (mg/kg)	TPH MRO >C <sub>28</sub> -C <sub>35</sub> (mg/kg)	TPH GRO+DRO C <sub>6</sub> - C <sub>28</sub> (mg/kg)	TPH Total C <sub>6</sub> -C <sub>35</sub> (mg/kg)	Chloride (mg/kg)
	New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (50' - 100 bgs)			NE	NE	NE	50	NE	NE	NE	1,000	2,500	10,000
				Ex	cavation Sidewa	II Soil Sample	Analytical Re	sults					
SW03	10/04/2024	0-2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,380
SW04	10/04/2024	0-2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,180

Concentrations in bold and yellow exceed the New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release

represents samples that have been excavated and/or resampled

bgs: below ground surface

mg/kg: milligrams per kilogram

NA: Not Analyzed

NE: Not Established

mg/kg: milligrams per kilogram

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

MRO: Motor Oil/Lube Oil Range Organics

TPH: Total Petroleum Hydrocarbons



## TABLE 3 BACKFILL SOIL SAMPLE ANALYTICAL RESULTS

Lea Land Caliche Pit Oxy USA, Inc. Lea County, New Mexico Ensolum Project No. NA

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
	New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (≤ 50 feet)		10	NE	NE	NE	50	NE	NE	NE	100	600
				Co	mposite Backgro	ound Soil Samp	le Analytical Re	sult				
Lea Land Caliche Pit	09/13/2024	NA	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	98.6	<10.0	98.6	560

bgs: below ground surface mg/kg: milligrams per kilogram

NA: Not Applicable
NE: Not Established

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics DRO: Diesel Range Organics

MRO: Motor Oil/Lube Oil Range Organics

TPH: Total Petroleum Hydrocarbon



**APPENDIX A** 

Referenced Well Records

Page 1 of 3

# STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

HOLE DESIGNATION: SB-5

PROJECT NUMBER: 088210-35

DATE COMPLETED: August 18, 2017

CLIENT: EOG RESOURCES

DRILLING METHOD: HSA

LOCATION: EDDY COUNTY, NEW MEXICO

PROJECT NAME: LIVINGSTON RIDGE SWD NO. 2

EPTH t BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE			SAMI	_	
BGS		πBGS		NUMBER	INTERVAL	REC (%)	'N' VALUE	Chloride (mg/kg)
2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46	NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; F	EFER TO CU	JRRENT ELEVATION TABL	E				

Page 2 of 3

# STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

HOLE DESIGNATION: SB-5

PROJECT NAME: LIVINGSTON RIDGE SWD NO. 2 PROJECT NUMBER: 088210-35

DATE COMPLETED: August 18, 2017

CLIENT: EOG RESOURCES

DRILLING METHOD: HSA

LOCATION: EDDY COUNTY, NEW MEXICO

EPTH t BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREH	OLE			SAM		
					NUMBER	INTERVAL	REC (%)	'N' VALUE	Chloride (mg/kg)
50									
52									
54									
56									
58									
80									
52									
64			<b>—</b>	- BACKFILLED					
66				BACKFILLED WITH BENTONITE CHIPS AND SOIL					
88				CUTTINGS					
0									
'2 '4									
6									
'8									
30									
32									
34									
86									
88									
90 –	SC-CLAYEY SAND, with silt, coarse grained, poorly graded, brown, dry	90.00							
)4									

Page 3 of 3

# STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

HOLE DESIGNATION: SB-5

PROJECT NAME: LIVINGSTON RIDGE SWD NO. 2 PROJECT NUMBER: 088210-35

DATE COMPLETED: August 18, 2017

CLIENT: EOG RESOURCES

DRILLING METHOD: HSA

LOCATION: EDDY COUNTY, NEW MEXICO

EPTH BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE			SAMI		
. 603		II BGS		NUMBER	INTERVAL	REC (%)	'N' VALUE	Chloride
98 100 102 104 106	SP-SAND, with silt, trace clay, coarse grained sandstone, poorly graded, brown, dry	100.00		SB-5-20				48
108 110 112 114				SB-5-25				76
116 118 120 122 124	- trace silt and clay at 120.0ft BGS			SB-5-30				82
126 128 130 —	END OF BOREHOLE @ 130.0ft BGS	130.00		SB-5-35				
134 136 138 140 142								

Page 1 of 3

# STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

HOLE DESIGNATION: SB-6

PROJECT NAME: LIVINGSTON RIDGE SWD NO. 2

DATE COMPLETED: August 16, 2017

PROJECT NUMBER: 088210-35 CLIENT: EOG RESOURCES

DRILLING METHOD: HSA

LOCATION: EDDY COUNTY, NEW MEXICO

EPTH t BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE			SAMI	_	
BGS		πBGS		NUMBER	INTERVAL	REC (%)	'N' VALUE	Chloride (mg/kg)
2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46	NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; F	EFER TO CU	JRRENT ELEVATION TABL	E				

Page 2 of 3

## STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: LIVINGSTON RIDGE SWD NO. 2 HOLE DESIGNATION: SB-6

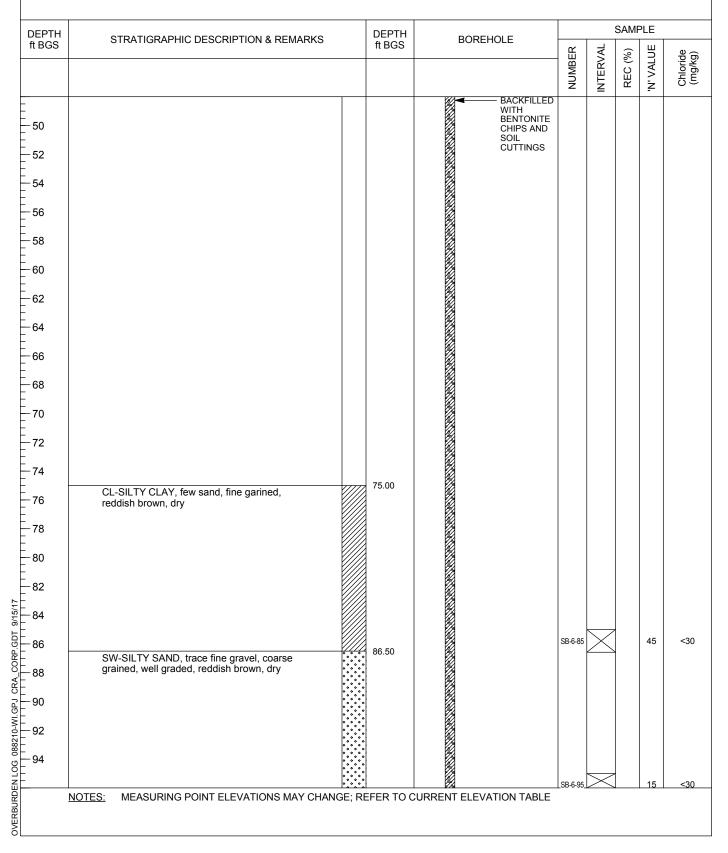
PROJECT NUMBER: 088210-35

DATE COMPLETED: August 16, 2017

CLIENT: EOG RESOURCES

DRILLING METHOD: HSA

LOCATION: EDDY COUNTY, NEW MEXICO



Page 3 of 3

# STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

HOLE DESIGNATION: SB-6

PROJECT NAME: LIVINGSTON RIDGE SWD NO. 2

DATE COMPLETED: August 16, 2017

PROJECT NUMBER: 088210-35 CLIENT: EOG RESOURCES

DRILLING METHOD: HSA

LOCATION: EDDY COUNTY, NEW MEXICO

EPTH t BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE			SAME		
I BGS		11 803		NUMBER	INTERVAL	REC (%)	'N' VALUE	Chloride (mg/kg)
	END OF BOREHOLE @ 96.5ft BGS	96.50	8/2		> <			
98								
100								
102								
104								
106								
108								
110								
112								
114								
116								
118								
120								
122								
124								
126								
128								
130								
132								
134								
136								
138								
132 134 136 138 140 142								
142								
NO	OTES: MEASURING POINT ELEVATIONS MAY CHANGE;	REFER TO CU	IRRENT ELEVATION TABL	.E		-		



**APPENDIX B** 

Photographic Log



### **Photographic Log**

Oxy USA, inc Federal 01 Battery

Incident Number: nAPP2211060378





Photograph: 1 Date: 7/1/2024

Description: Soil staining in release footprint

View: Southeast

Photograph: 2 Date: 7/1/2024

Description: Site assessment activities

View: East





Photograph: 3 Date: 8/26/2024

Description: Delineation activities

View: Northeast

Photograph: 4 Date: 8/26/2024

Description: Delineation activities

View: Northwest



### **Photographic Log**

Oxy USA, inc Federal 01 Battery

Incident Number: nAPP2211060378





Photograph: 5 Date: 8/26/2024

**Description: Delineation Activites** 

View: Southwest

Photograph: 6 Date: 10/3/2024

Description: Excavation Activites

View: Southeast





Photograph: 7 Date: 10/4/2024

Description: Excavation Activites

View: North

Photograph: 8 Date: 10/4/2024

Description: Excavation Activites

View: East



### **Photographic Log**

Oxy USA, inc Federal 01 Battery

Incident Number: nAPP2211060378





Photograph: 9

Description: Backfill

View: North

Date: 12/16/2024

Photograph: 10

Description: Backfill

View: West





Date: 12/16/2024

Date: 12/16/2024

Photograph: 11

Description: Backfill

View: South

Date: 12/16/2024

Photograph: 12

Description: Backfill

View: East



**APPENDIX C** 

Laboratory Analytical Reports & Chain-of-Custody Documentation



July 08, 2024

**BEAUX JENNINGS** 

**ENSOLUM** 

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: FEDERAL 01 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 07/01/24 14:09.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



### Analytical Results For:

ENSOLUM BEAUX JENNINGS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 07/01/2024 Reported: 07/08/2024

Project Name: FEDERAL 01 BATTERY

Project Number: 03B1417193

Project Location: OXY

Sampling Date: 07/01/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Troject Locationi

Sample ID: SS01 0.5 (H243932-01)

DTEV 0021D

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	07/04/2024	ND	1.91	95.5	2.00	0.998	
Toluene*	<0.050	0.050	07/04/2024	ND	1.90	95.2	2.00	1.52	
Ethylbenzene*	<0.050	0.050	07/04/2024	ND	2.01	100	2.00	1.63	
Total Xylenes*	<0.150	0.150	07/04/2024	ND	5.92	98.7	6.00	1.58	
Total BTEX	<0.300	0.300	07/04/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1780	16.0	07/05/2024	ND	416	104	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	07/04/2024	ND	217	109	200	0.908	
DRO >C10-C28*	84.6	10.0	07/04/2024	ND	215	108	200	0.0195	
EXT DRO >C28-C36	38.8	10.0	07/04/2024	ND					
Surrogate: 1-Chlorooctane	129	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	137	% 49.1-14	8						

Applyand By 14

Cardinal Laboratories \*=Accredited Analyte

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### Analytical Results For:

**ENSOLUM BEAUX JENNINGS** 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 07/01/2024 Sampling Date: 07/01/2024

Reported: 07/08/2024 Sampling Type: Soil

Project Name: FEDERAL 01 BATTERY Sampling Condition: Cool & Intact Sample Received By: Project Number: 03B1417193 Alyssa Parras

Project Location: OXY

### Sample ID: SS02 0.5 (H243932-02)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/04/2024	ND	1.91	95.5	2.00	0.998	
Toluene*	<0.050	0.050	07/04/2024	ND	1.90	95.2	2.00	1.52	
Ethylbenzene*	<0.050	0.050	07/04/2024	ND	2.01	100	2.00	1.63	
Total Xylenes*	<0.150	0.150	07/04/2024	ND	5.92	98.7	6.00	1.58	
Total BTEX	<0.300	0.300	07/04/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.3	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7600	16.0	07/05/2024	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/05/2024	ND	217	109	200	0.908	
DRO >C10-C28*	<10.0	10.0	07/05/2024	ND	215	108	200	0.0195	
EXT DRO >C28-C36	<10.0	10.0	07/05/2024	ND					
Surrogate: 1-Chlorooctane	94.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.8	% 49.1-14	8						

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### Analytical Results For:

**ENSOLUM BEAUX JENNINGS** 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 07/01/2024 Reported: 07/08/2024

FEDERAL 01 BATTERY

Project Name: Project Number: 03B1417193

Project Location: OXY Sampling Date: 07/01/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By:

Alyssa Parras

### Sample ID: SS03 0.5 (H243932-03)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/04/2024	ND	1.91	95.5	2.00	0.998	
Toluene*	<0.050	0.050	07/04/2024	ND	1.90	95.2	2.00	1.52	
Ethylbenzene*	<0.050	0.050	07/04/2024	ND	2.01	100	2.00	1.63	
Total Xylenes*	<0.150	0.150	07/04/2024	ND	5.92	98.7	6.00	1.58	
Total BTEX	<0.300	0.300	07/04/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	07/05/2024	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/04/2024	ND	217	109	200	0.908	
DRO >C10-C28*	<10.0	10.0	07/04/2024	ND	215	108	200	0.0195	
EXT DRO >C28-C36	<10.0	10.0	07/04/2024	ND					
Surrogate: 1-Chlorooctane	133	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	140	% 49.1-14	8						

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### Analytical Results For:

ENSOLUM BEAUX JENNINGS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 07/01/2024 Sampling Date: 07/01/2024

Reported: 07/08/2024 Sampling Type: Soil

Project Name: FEDERAL 01 BATTERY Sampling Condition: Cool & Intact
Project Number: 03B1417193 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: OXY

mg/kg

### Sample ID: SS04 0.5 (H243932-04)

BTEX 8021B

DIEX GOZID	mg/ kg		Analyzed by: 311						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/04/2024	ND	1.91	95.5	2.00	0.998	
Toluene*	<0.050	0.050	07/04/2024	ND	1.90	95.2	2.00	1.52	
Ethylbenzene*	<0.050	0.050	07/04/2024	ND	2.01	100	2.00	1.63	
Total Xylenes*	<0.150	0.150	07/04/2024	ND	5.92	98.7	6.00	1.58	
Total BTEX	<0.300	0.300	07/04/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.2	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/05/2024	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/04/2024	ND	217	109	200	0.908	
DRO >C10-C28*	<10.0	10.0	07/04/2024	ND	215	108	200	0.0195	
EXT DRO >C28-C36	<10.0	10.0	07/04/2024	ND					
Surrogate: 1-Chlorooctane	125 %	26 48.2-13	4						
Surrogate: 1-Chlorooctadecane	132 9	% 49.1-14	8						

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Celey D. Keene



### Analytical Results For:

**ENSOLUM BEAUX JENNINGS** 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 07/01/2024 Reported:

07/08/2024

FEDERAL 01 BATTERY

Project Number: 03B1417193

Project Location: OXY Sampling Date: 07/01/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By:

Alyssa Parras

### Sample ID: SS05 0.5 (H243932-05)

Project Name:

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/04/2024	ND	1.91	95.5	2.00	0.998	
Toluene*	<0.050	0.050	07/04/2024	ND	1.90	95.2	2.00	1.52	
Ethylbenzene*	<0.050	0.050	07/04/2024	ND	2.01	100	2.00	1.63	
Total Xylenes*	<0.150	0.150	07/04/2024	ND	5.92	98.7	6.00	1.58	
Total BTEX	<0.300	0.300	07/04/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.0	% 71.5-13	4						
Chloride, SM4500CI-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	07/05/2024	ND	416	104	400	3.92	
TPH 8015M	mg/	'kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/04/2024	ND	217	109	200	0.908	
DRO >C10-C28*	<10.0	10.0	07/04/2024	ND	215	108	200	0.0195	
EXT DRO >C28-C36	<10.0	10.0	07/04/2024	ND					
Surrogate: 1-Chlorooctane	118 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	124	% 49.1-14	8						

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Celeg D. Freene



### Analytical Results For:

ENSOLUM BEAUX JENNINGS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 07/01/2024 Reported: 07/08/2024

Project Name: FEDERAL 01 BATTERY

Project Number: 03B1417193

Project Location: OXY

Sampling Date: 07/01/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact

Sample Received By: Alyssa Parras

### Sample ID: SS06 0.5 (H243932-06)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/04/2024	ND	1.91	95.5	2.00	0.998	
Toluene*	<0.050	0.050	07/04/2024	ND	1.90	95.2	2.00	1.52	
Ethylbenzene*	<0.050	0.050	07/04/2024	ND	2.01	100	2.00	1.63	
Total Xylenes*	<0.150	0.150	07/04/2024	ND	5.92	98.7	6.00	1.58	
Total BTEX	<0.300	0.300	07/04/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.0	% 71.5-13	4						
Chloride, SM4500CI-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	07/05/2024	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/04/2024	ND	217	109	200	0.908	
DRO >C10-C28*	<10.0	10.0	07/04/2024	ND	215	108	200	0.0195	
EXT DRO >C28-C36	<10.0	10.0	07/04/2024	ND					
Surrogate: 1-Chlorooctane	126	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	134	% 49.1-14	8						

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### Analytical Results For:

**ENSOLUM BEAUX JENNINGS** 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 07/01/2024 Reported: 07/08/2024

Project Name: FEDERAL 01 BATTERY

Project Number: 03B1417193

Project Location: OXY Sampling Date: 07/01/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By:

Alyssa Parras

### Sample ID: SS07 0.5 (H243932-07)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/04/2024	ND	1.91	95.5	2.00	0.998	
Toluene*	<0.050	0.050	07/04/2024	ND	1.90	95.2	2.00	1.52	
Ethylbenzene*	<0.050	0.050	07/04/2024	ND	2.01	100	2.00	1.63	
Total Xylenes*	<0.150	0.150	07/04/2024	ND	5.92	98.7	6.00	1.58	
Total BTEX	<0.300	0.300	07/04/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.4	% 71.5-13	4						
Chloride, SM4500CI-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	07/05/2024	ND	416	104	400	3.92	
TPH 8015M	mg/	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/04/2024	ND	217	109	200	0.908	
DRO >C10-C28*	<10.0	10.0	07/04/2024	ND	215	108	200	0.0195	
EXT DRO >C28-C36	<10.0	10.0	07/04/2024	ND					
Surrogate: 1-Chlorooctane	132 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	137 9	% 49.1-14	8						

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### Analytical Results For:

**ENSOLUM BEAUX JENNINGS** 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 07/01/2024 Reported:

07/08/2024

Project Name: FEDERAL 01 BATTERY

Project Number: 03B1417193 Project Location: OXY

Sampling Date: 07/01/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By:

Alyssa Parras

### Sample ID: SS08 0.5 (H243932-08)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/04/2024	ND	1.91	95.5	2.00	0.998	
Toluene*	<0.050	0.050	07/04/2024	ND	1.90	95.2	2.00	1.52	
Ethylbenzene*	<0.050	0.050	07/04/2024	ND	2.01	100	2.00	1.63	
Total Xylenes*	<0.150	0.150	07/04/2024	ND	5.92	98.7	6.00	1.58	
Total BTEX	<0.300	0.300	07/04/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.1	% 71.5-13	4						
Chloride, SM4500CI-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	07/05/2024	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/08/2024	ND	216	108	200	0.356	
DRO >C10-C28*	<10.0	10.0	07/08/2024	ND	216	108	200	0.866	
EXT DRO >C28-C36	<10.0	10.0	07/08/2024	ND					
Surrogate: 1-Chlorooctane	90.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

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### Analytical Results For:

**ENSOLUM BEAUX JENNINGS** 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 07/01/2024 Reported:

07/08/2024

Sampling Date: Sampling Type: 07/01/2024

Project Name:

BTEX 8021B

FEDERAL 01 BATTERY

Sampling Condition:

Soil Cool & Intact

Project Number:

03B1417193

mg/kg

Sample Received By:

Alyssa Parras

Project Location:

OXY

### Sample ID: SS09 0.5 (H243932-09)

DILX GOZID	ıııg,	, kg	Andryzo	.u Dy. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/04/2024	ND	1.91	95.5	2.00	0.998	
Toluene*	<0.050	0.050	07/04/2024	ND	1.90	95.2	2.00	1.52	
Ethylbenzene*	<0.050	0.050	07/04/2024	ND	2.01	100	2.00	1.63	
Total Xylenes*	<0.150	0.150	07/04/2024	ND	5.92	98.7	6.00	1.58	
Total BTEX	<0.300	0.300	07/04/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/05/2024	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/05/2024	ND	216	108	200	0.356	
DRO >C10-C28*	<10.0	10.0	07/05/2024	ND	216	108	200	0.866	
EXT DRO >C28-C36	<10.0	10.0	07/05/2024	ND					
Surrogate: 1-Chlorooctane	134	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	142	% 49.1-14	8						

Analyzed By: JH

Cardinal Laboratories \*=Accredited Analyte

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### **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

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Celeg D. Freene



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Project Manager: Beaux Jennings		BILL 10				ANALYSIS	SIS REQUEST	ST		
Address: 601 N. Marienfeld St. STE 400		7.0.#:								
City: Midland State: TX Zip: 79701		Company, OXT USA								
1		Attn: Wade Dittrich		_						
7100	Email:bjennings@ensolum.com	Address:								
ne:		City:							-	
Project Location: Secral Ol Daffery		State: Zip:								
Sampler Name: IV		Phone #:			0					
FOR LAB USE ONLY Kaoru Shimada		Email:		-						
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artifiates or successors arising out of or related to the performance of services hearingly without limitation, business interruptions, loss of use, or the so of profits incrured by client, its subsidiaries, Re linguished By:    Re linguished By:   Date:   Date:	out limitation, business interruptions, loss of use, or loss of profits y Cardinal, regardless of whether such claim is based upon any or	30 days after completion of the applicable incurred by client, its subsidiaries, of the above stated reasons or otherwise.	service.							
1 S 11001	1-72 Received by:		Verbal Result:	□ Yes	ONO		Add'l Phone #:			
Relinquished By:	Constill bar		bjennings@ensolum.com, hgreen@ensolum.com	n.com, hg	reen@en	solum.com	addless.			
	Received By:		REMARKS: Paykey/AFE/NonAFE:	y/AFE/No	nAFE:					
Delivered By: (Circle One) Observed Tenn. °C	-									
her: Corrected Tem	p. °C Sample Condition	34:	Turnaround Time: St	Standard .		Bacteria (only) Sample Condition	Condition			
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+	No   No	)	Thermometer ID #419 Correction Factor -0.5°C		5		Yes Yes			
FORM-006 R 3.2 10/07/21	140	E	AD7-1-20	1.20			□ No □ No	Corrected Temp. °C		



August 09, 2024

**BEAUX JENNINGS** 

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: FEDERAL 01 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 08/05/24 12:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



### Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 08/05/2024 Reported: 08/09/2024

Project Name: FEDERAL 01 BATTERY

Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445

Sampling Date: 08/05/2024

Sampling Type: Soil

Sampling Condition: \*\* (See Notes)
Sample Received By: Shalyn Rodriguez

Sample ID: SS 10 0.5' (H244677-01)

DTEV 0021D

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	08/06/2024	ND	1.94	97.0	2.00	5.17	
Toluene*	<0.050	0.050	08/06/2024	ND	1.92	96.0	2.00	4.77	
Ethylbenzene*	<0.050	0.050	08/06/2024	ND	2.05	102	2.00	4.16	
Total Xylenes*	<0.150	0.150	08/06/2024	ND	6.03	100	6.00	3.94	
Total BTEX	<0.300	0.300	08/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.6	% 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	08/07/2024	ND	416	104	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	08/06/2024	ND	231	115	200	0.911	
DRO >C10-C28*	<10.0	10.0	08/06/2024	ND	219	110	200	0.0716	
EXT DRO >C28-C36	<10.0	10.0	08/06/2024	ND					
Surrogate: 1-Chlorooctane	84.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.6	% 49.1-14	8						

Applyand By 14

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



### Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 08/05/2024 Sampling Date: 08/05/2024

Reported: 08/09/2024 Sampling Type: Soil

Project Name: FEDERAL 01 BATTERY Sampling Condition: \*\* (See Notes)

Project Number: 03B1417193 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: OXY 32.419379, -103.733445

ma/ka

### Sample ID: SS 11 0.5' (H244677-02)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/06/2024	ND	1.94	97.0	2.00	5.17	
Toluene*	<0.050	0.050	08/06/2024	ND	1.92	96.0	2.00	4.77	
Ethylbenzene*	<0.050	0.050	08/06/2024	ND	2.05	102	2.00	4.16	
Total Xylenes*	<0.150	0.150	08/06/2024	ND	6.03	100	6.00	3.94	
Total BTEX	<0.300	0.300	08/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.2	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/07/2024	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/06/2024	ND	231	115	200	0.911	
DRO >C10-C28*	<10.0	10.0	08/06/2024	ND	219	110	200	0.0716	
EXT DRO >C28-C36	<10.0	10.0	08/06/2024	ND					
Surrogate: 1-Chlorooctane	83.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.6	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 08/05/2024 Sampling Date: 08/05/2024

Reported: 08/09/2024 Sampling Type: Soil

Project Name: FEDERAL 01 BATTERY Sampling Condition: \*\* (See Notes)

Project Number: 03B1417193 Sample Received By: Shalyn Rodriguez

Project Location: OXY 32.419379, -103.733445

### Sample ID: SS 12 0.5' (H244677-03)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/06/2024	ND	1.94	97.0	2.00	5.17	
Toluene*	<0.050	0.050	08/06/2024	ND	1.92	96.0	2.00	4.77	
Ethylbenzene*	<0.050	0.050	08/06/2024	ND	2.05	102	2.00	4.16	
Total Xylenes*	<0.150	0.150	08/06/2024	ND	6.03	100	6.00	3.94	
Total BTEX	<0.300	0.300	08/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/07/2024	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/06/2024	ND	198	99.1	200	12.3	
DRO >C10-C28*	<10.0	10.0	08/06/2024	ND	199	99.4	200	14.6	
EXT DRO >C28-C36	<10.0	10.0	08/06/2024	ND					
Surrogate: 1-Chlorooctane	80.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.6	% 49.1-14	8						

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Celey D. Keene



### Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 08/05/2024 Sampling Date: 08/05/2024

Reported: 08/09/2024 Sampling Type: Soil

Project Name: FEDERAL 01 BATTERY Sampling Condition: \*\* (See Notes)

Project Number: 03B1417193 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: OXY 32.419379, -103.733445

### Sample ID: SS 13 0.5' (H244677-04)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/06/2024	ND	1.94	97.0	2.00	5.17	
Toluene*	<0.050	0.050	08/06/2024	ND	1.92	96.0	2.00	4.77	
Ethylbenzene*	<0.050	0.050	08/06/2024	ND	2.05	102	2.00	4.16	
Total Xylenes*	<0.150	0.150	08/06/2024	ND	6.03	100	6.00	3.94	
Total BTEX	<0.300	0.300	08/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.6	% 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	08/07/2024	ND	416	104	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	08/06/2024	ND	198	99.1	200	12.3	
DRO >C10-C28*	<10.0	10.0	08/06/2024	ND	199	99.4	200	14.6	
EXT DRO >C28-C36	<10.0	10.0	08/06/2024	ND					
Surrogate: 1-Chlorooctane	70.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.0	% 49.1-14	8						

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Celey D. Keene



### Analytical Results For:

ENSOLUM, LLC **BEAUX JENNINGS** 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 08/05/2024 Sampling Date: 08/05/2024

Reported: 08/09/2024 Sampling Type: Soil Project Name: FEDERAL 01 BATTERY

Sampling Condition: \*\* (See Notes) Sample Received By: Project Number: 03B1417193 Shalyn Rodriguez

Project Location: OXY 32.419379, -103.733445

### Sample ID: SS 14 0.5' (H244677-05)

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	08/06/2024	ND	1.94	97.0	2.00	5.17	
Toluene*	<0.050	0.050	08/06/2024	ND	1.92	96.0	2.00	4.77	
Ethylbenzene*	<0.050	0.050	08/06/2024	ND	2.05	102	2.00	4.16	
Total Xylenes*	<0.150	0.150	08/06/2024	ND	6.03	100	6.00	3.94	
Total BTEX	<0.300	0.300	08/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.6	% 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	48.0	16.0	08/07/2024	ND	416	104	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	08/06/2024	ND	198	99.1	200	12.3	
DRO >C10-C28*	193	10.0	08/06/2024	ND	199	99.4	200	14.6	
EXT DRO >C28-C36	118	10.0	08/06/2024	ND					
Surrogate: 1-Chlorooctane	67.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.5	% 49.1-14	8						

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Celey D. Keene



### Analytical Results For:

ENSOLUM, LLC **BEAUX JENNINGS** 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 08/05/2024 Sampling Date: 08/05/2024

Reported: 08/09/2024 Sampling Type: Soil

Project Name: FEDERAL 01 BATTERY Sampling Condition: \*\* (See Notes) Sample Received By: Project Number: 03B1417193 Shalyn Rodriguez

Project Location: OXY 32.419379, -103.733445

### Sample ID: SS 15 0.5' (H244677-06)

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	08/06/2024	ND	1.94	97.0	2.00	5.17	
Toluene*	<0.050	0.050	08/06/2024	ND	1.92	96.0	2.00	4.77	
Ethylbenzene*	<0.050	0.050	08/06/2024	ND	2.05	102	2.00	4.16	
Total Xylenes*	<0.150	0.150	08/06/2024	ND	6.03	100	6.00	3.94	
Total BTEX	<0.300	0.300	08/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.6	% 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	08/07/2024	ND	416	104	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	08/06/2024	ND	198	99.1	200	12.3	
DRO >C10-C28*	<10.0	10.0	08/06/2024	ND	199	99.4	200	14.6	
EXT DRO >C28-C36	<10.0	10.0	08/06/2024	ND					
Surrogate: 1-Chlorooctane	74.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.3	% 49.1-14	8						

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Celey D. Keine



### Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 08/05/2024 Sampling Date: 08/05/2024

Reported: 08/09/2024 Sampling Type: Soil

Project Name: FEDERAL 01 BATTERY Sampling Condition: \*\* (See Notes)

Project Number: 03B1417193 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: OXY 32.419379, -103.733445

### Sample ID: SS 16 0.5' (H244677-07)

RTFY 8021R

B1EX 8021B	mg,	/ kg	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/06/2024	ND	2.11	106	2.00	0.115	QM-07
Toluene*	<0.050	0.050	08/06/2024	ND	2.22	111	2.00	0.443	
Ethylbenzene*	<0.050	0.050	08/06/2024	ND	2.36	118	2.00	0.0959	QM-07
Total Xylenes*	<0.150	0.150	08/06/2024	ND	7.03	117	6.00	0.411	QM-07
Total BTEX	<0.300	0.300	08/06/2024	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	08/07/2024	ND	416	104	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	08/06/2024	ND	198	99.1	200	12.3	
DRO >C10-C28*	<10.0	10.0	08/06/2024	ND	199	99.4	200	14.6	
EXT DRO >C28-C36	<10.0	10.0	08/06/2024	ND					
Surrogate: 1-Chlorooctane	80.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.9	% 49.1-14	8						

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Celey D. Keene



### Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

 Received:
 08/05/2024
 Sampling Date:
 08/05/2024

 Reported:
 08/09/2024
 Sampling Type:
 Soil

Project Name: FEDERAL 01 BATTERY Sampling Condition: \*\* (See Notes)

Project Number: 03B1417193 Sample Received By: Shalyn Rodriguez

Project Location: OXY 32.419379, -103.733445

### Sample ID: SS 17 0.5' (H244677-08)

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	08/06/2024	ND	2.11	106	2.00	0.115	
Toluene*	<0.050	0.050	08/06/2024	ND	2.22	111	2.00	0.443	
Ethylbenzene*	<0.050	0.050	08/06/2024	ND	2.36	118	2.00	0.0959	
Total Xylenes*	<0.150	0.150	08/06/2024	ND	7.03	117	6.00	0.411	
Total BTEX	<0.300	0.300	08/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/07/2024	ND	416	104	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	08/06/2024	ND	198	99.1	200	12.3	
DRO >C10-C28*	<10.0	10.0	08/06/2024	ND	199	99.4	200	14.6	
EXT DRO >C28-C36	<10.0	10.0	08/06/2024	ND					
Surrogate: 1-Chlorooctane	77.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.4	% 49.1-14	8						

### Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 08/05/2024 Sampling Date: 08/05/2024

Reported: 08/09/2024 Sampling Type: Soil

Project Name: FEDERAL 01 BATTERY Sampling Condition: \*\* (See Notes)

Project Number: 03B1417193 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: OXY 32.419379, -103.733445

ma/ka

### Sample ID: SS 18 0.5' (H244677-09)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/06/2024	ND	2.11	106	2.00	0.115	
Toluene*	<0.050	0.050	08/06/2024	ND	2.22	111	2.00	0.443	
Ethylbenzene*	<0.050	0.050	08/06/2024	ND	2.36	118	2.00	0.0959	
Total Xylenes*	<0.150	0.150	08/06/2024	ND	7.03	117	6.00	0.411	
Total BTEX	<0.300	0.300	08/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 71.5-13	4						
Chloride, SM4500CI-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	08/07/2024	ND	416	104	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	08/06/2024	ND	198	99.1	200	12.3	
DRO >C10-C28*	<10.0	10.0	08/06/2024	ND	199	99.4	200	14.6	
EXT DRO >C28-C36	<10.0	10.0	08/06/2024	ND					
Surrogate: 1-Chlorooctane	72.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.4	% 49.1-14	8						

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Celey D. Keene



### **Notes and Definitions**

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

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Celeg D. Freene



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Ensoium, LLC		BILL TO				ANAI	ANALYSIS REQUEST	TS	
Project Manager: Beaux Jennings		P.O. #:		+	+		100		
Address: 601 N. Marienfeld St. STE 400		Company: OXY USA							
State: TX	Zip: 79701	Attn: Wada Dittrick							
Phone #: (210)219-8858	Email:bjennings@ensolum.com	Address:			_		_		
31314171 93	Project Owner:	City:			_				
Project Name: Fcolorial (6)	Baffery	State: Zip:			_				
Project Location: 32, 419 3 7	18455 COI- P	*			0		,		
Sampler Name: Kaorii Shimada	-			_	-				
FOR LAB USE ONLY		Email:	D		_				
	p. MATRIX	PRESERV. SAM	SAMPLING		-				
Lab I.D. Sample I.D.	DWATER	OL \	X 802	H 801	loride				
470LB	# CONTA	OTHER: ACID/BAS CE / COC OTHER: DATE	RTE						
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7) (7	10 M 10 M		106)			1			
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6	100 m		1000	/					
7 876	THE X		1056						
8000	- X-0-7-		1058 /						
0000	1 150000		1022 1	1	1				
	CO # 1 248 CO 1	X 95024	1024 x	8	×				
PLEASE NOTE: Liability and Damoges. Cardinal's liability and otherts exclusive remoty for any date arising whether ba. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless m	PLEASE NOTE: Liability and Damages. Continuit's labelity and districts exclusive memory for any claim anality whether beased in continuid or tox, shall be inheled to the amount paid by the clear for the analyses.  All claims including those for negligence and any other cause whatsoever shall be determed whereof unless made in writing and negligible unlifted by the clear for the analyses.	ant paid by the client for the analyses.		t	1				
affiliates or successors arising out of or related to the performance of sen  Rellinguished By-	affisies or successors arising out of or related to the performance of services hereunder by Cardinal, negatives of whether such claim is based upon may of the above stated reasons or other.  Relinouished By:	its incurred by client, its subsidiaries, y of the above stated reasons or otherwis							
Raon Shimala	Time:/2) S Sylvey By:	half	Verbal Result: ☐ Yes ☒ No All Results are emailed. Please provibjennings@ensolum.com, gmcswane@i	Yes hailed. Ple	Please provi	de Emai	Add'I Phone #: de Email address: ensolum.com		
reiniquisned By:	Time:	0	REMARKS: Paykey/AFE/NonAFE:	/AFE/No	nAFE:		\$		
Sampler - UPS - Bus - Other:	Observed Temp. °C 8-8c Sample Condition Corrected Temp. °C 8-8c Cool Intact	CHECKED BY: (Initials)	Turnaround Time: Standard	Standard X	Bacteria Observed Temp.		(only) Sample Condition		
	\$ 0 × 0 × 0 × 0 × 0 × 0 × 0 × 0 × 0 × 0	8	ctor #	并	0	X	21   DY05   Y05		
FORM-006 R 3.2 10/07/21			0	10.00	0	1		consider semp.	



August 30, 2024

GEORGIANA MCSWANE
ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD, NM 88220

RE: FEDERAL 01 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 08/27/24 9:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



### Analytical Results For:

ENSOLUM GEORGIANA MCSWANE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/27/2024 Reported: 08/30/2024

Project Name: FEDERAL 01 BATTERY

Project Number: 03B1417193

Project Location: OXY

Sampling Date: 08/27/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SS 01 4' (H245189-01)

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	08/28/2024	ND	1.95	97.5	2.00	3.63	
Toluene*	<0.050	0.050	08/28/2024	ND	2.07	103	2.00	2.54	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.13	106	2.00	0.638	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.41	107	6.00	0.634	
Total BTEX	<0.300	0.300	08/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1440	16.0	08/28/2024	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	08/28/2024	ND	208	104	200	0.791	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	200	99.9	200	0.208	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					
Surrogate: 1-Chlorooctane	82.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107 9	% 49.1-14	8						

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Celey D. Keine



### Analytical Results For:

ENSOLUM GEORGIANA MCSWANE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/27/2024 Sampling Date: 08/26/2024

Reported: 08/30/2024 Sampling Type: Soil

Project Name: FEDERAL 01 BATTERY Sampling Condition: Cool & Intact
Project Number: 03B1417193 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: OXY

mg/kg

### Sample ID: SS 02 4' (H245189-02)

BTEX 8021B

DIEX GOZID	ıııg,	K9	Allulyzo	.u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2024	ND	1.95	97.5	2.00	3.63	
Toluene*	<0.050	0.050	08/28/2024	ND	2.07	103	2.00	2.54	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.13	106	2.00	0.638	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.41	107	6.00	0.634	
Total BTEX	<0.300	0.300	08/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/28/2024	ND	448	112	400	3.64	
TPH 8015M	mg/	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2024	ND	208	104	200	0.791	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	200	99.9	200	0.208	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					
Surrogate: 1-Chlorooctane	86.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118 9	% 49.1-14	8						

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Celey D. Keene



### Analytical Results For:

ENSOLUM GEORGIANA MCSWANE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/27/2024 Sampling Date: 08/26/2024

Reported: 08/30/2024 Sampling Type: Soil

Project Name: FEDERAL 01 BATTERY Sampling Condition: Cool & Intact
Project Number: 03B1417193 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: OXY

mg/kg

### Sample ID: SS 03 4' (H245189-03)

BTEX 8021B

DIEX GOZID	11197	ng .	Allulyzo	.u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2024	ND	1.95	97.5	2.00	3.63	
Toluene*	<0.050	0.050	08/28/2024	ND	2.07	103	2.00	2.54	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.13	106	2.00	0.638	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.41	107	6.00	0.634	
Total BTEX	<0.300	0.300	08/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/28/2024	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2024	ND	208	104	200	0.791	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	200	99.9	200	0.208	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					
Surrogate: 1-Chlorooctane	79.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Celey D. Keine



### Analytical Results For:

ENSOLUM GEORGIANA MCSWANE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/27/2024 Sampling Date: 08/26/2024

Reported: 08/30/2024 Sampling Type: Soil

Project Name: FEDERAL 01 BATTERY Sampling Condition: Cool & Intact
Project Number: 03B1417193 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: OXY

mg/kg

### Sample ID: SS 04 4' (H245189-04)

BTEX 8021B

DILX GOZID	ilig/	, kg	Andryzo	u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2024	ND	1.95	97.5	2.00	3.63	
Toluene*	<0.050	0.050	08/28/2024	ND	2.07	103	2.00	2.54	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.13	106	2.00	0.638	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.41	107	6.00	0.634	
Total BTEX	<0.300	0.300	08/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/28/2024	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	08/28/2024	ND	208	104	200	0.791	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	200	99.9	200	0.208	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					
Surrogate: 1-Chlorooctane	81.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

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Celey D. Keene



### Analytical Results For:

**ENSOLUM** GEORGIANA MCSWANE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/27/2024 Reported:

08/30/2024 FEDERAL 01 BATTERY

Project Name: Project Number: 03B1417193

Project Location: OXY Sampling Date: 08/26/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

### Sample ID: SS 05 4' (H245189-05)

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	08/28/2024	ND	1.95	97.5	2.00	3.63	
Toluene*	<0.050	0.050	08/28/2024	ND	2.07	103	2.00	2.54	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.13	106	2.00	0.638	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.41	107	6.00	0.634	
Total BTEX	<0.300	0.300	08/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/28/2024	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	08/28/2024	ND	208	104	200	0.791	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	200	99.9	200	0.208	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					
Surrogate: 1-Chlorooctane	79.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Celey D. Keene



### Analytical Results For:

ENSOLUM GEORGIANA MCSWANE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/27/2024 Sampling Date: 08/26/2024

Reported: 08/30/2024 Sampling Type: Soil

Project Name: FEDERAL 01 BATTERY Sampling Condition: Cool & Intact
Project Number: 03B1417193 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: OXY

ma/ka

### Sample ID: SS 06 4' (H245189-06)

RTFY 8021R

B1EX 8021B	mg/	кg	Апануге	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2024	ND	1.95	97.5	2.00	3.63	
Toluene*	<0.050	0.050	08/28/2024	ND	2.07	103	2.00	2.54	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.13	106	2.00	0.638	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.41	107	6.00	0.634	
Total BTEX	<0.300	0.300	08/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/28/2024	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	08/28/2024	ND	208	104	200	0.791	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	200	99.9	200	0.208	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					
Surrogate: 1-Chlorooctane	84.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### Analytical Results For:

ENSOLUM GEORGIANA MCSWANE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/27/2024 Sampling Date: 08/26/2024

Reported: 08/30/2024 Sampling Type: Soil

Project Name: FEDERAL 01 BATTERY Sampling Condition: Cool & Intact
Project Number: 03B1417193 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: OXY

mg/kg

### Sample ID: SS 07 4' (H245189-07)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2024	ND	1.95	97.5	2.00	3.63	
Toluene*	<0.050	0.050	08/28/2024	ND	2.07	103	2.00	2.54	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.13	106	2.00	0.638	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.41	107	6.00	0.634	
Total BTEX	<0.300	0.300	08/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/28/2024	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	08/28/2024	ND	208	104	200	0.791	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	200	99.9	200	0.208	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					
Surrogate: 1-Chlorooctane	81.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Celey D. Keine



### Analytical Results For:

ENSOLUM GEORGIANA MCSWANE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/27/2024 Sampling Date: 08/26/2024

Reported: 08/30/2024 Sampling Type: Soil

Project Name: FEDERAL 01 BATTERY Sampling Condition: Cool & Intact
Project Number: 03B1417193 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: OXY

mg/kg

### Sample ID: SS 08 4' (H245189-08)

BTEX 8021B

DILX GOZID	ıııg,	ng .	Andryzo	.u Dy. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2024	ND	1.95	97.5	2.00	3.63	
Toluene*	<0.050	0.050	08/28/2024	ND	2.07	103	2.00	2.54	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.13	106	2.00	0.638	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.41	107	6.00	0.634	
Total BTEX	<0.300	0.300	08/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/28/2024	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2024	ND	208	104	200	0.791	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	200	99.9	200	0.208	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					
Surrogate: 1-Chlorooctane	82.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Celey D. Keene



### Analytical Results For:

ENSOLUM GEORGIANA MCSWANE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/27/2024 Sampling Date: 08/26/2024

Reported: 08/30/2024 Sampling Type: Soil

Project Name: FEDERAL 01 BATTERY Sampling Condition: Cool & Intact
Project Number: 03B1417193 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: OXY

ma/ka

### Sample ID: SS 09 4' (H245189-09)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2024	ND	1.95	97.5	2.00	3.63	
Toluene*	<0.050	0.050	08/28/2024	ND	2.07	103	2.00	2.54	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.13	106	2.00	0.638	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.41	107	6.00	0.634	
Total BTEX	<0.300	0.300	08/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/28/2024	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	08/28/2024	ND	208	104	200	0.791	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	200	99.9	200	0.208	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					
Surrogate: 1-Chlorooctane	80.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Celey D. Keene



### **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

\*\* Samples not received at proper temperature of 6°C or below.

\*\*\* Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

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Celeg D. Freene

### 101 East Marland, Hobbs, NM 88240

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(5	(575) 393-2326 FAX (575) 393-2476	( (575) 393-247	01																							_		
Company Name:	Ensolum, LLC									B	E	BILL TO					ANA	ANALYSIS		REQUEST	TS	1	1		1	_		
Project Manager: —	S	Georgiana M	McSwans	war	2			P.O. #:	#						_	_												
Address: 601 N. N	601 N. Marienfeld St. STE 400							Cor	Company:	ny:	S.	Oxy USA, Inc.		_	_													
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September 18, 2024

GEORGIANA MCSWANE

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: FEDERAL 01 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 09/13/24 9:26.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



### Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Reported: 09/18/2024

Project Name: FEDERAL 01 BATTERY

Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445

Sampling Date: 09/12/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

### Sample ID: SS 14 0.5' (H245567-01)

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	09/16/2024	ND	1.88	94.1	2.00	7.39	
Toluene*	<0.050	0.050	09/16/2024	ND	1.91	95.4	2.00	3.63	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	1.97	98.6	2.00	1.15	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	5.92	98.6	6.00	0.787	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	09/16/2024	ND	432	108	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	09/14/2024	ND	181	90.7	200	3.34	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	185	92.4	200	3.60	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	83.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118	% 49.1-14	8						

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Celey D. Keene



Sample Received By:

09/12/2024

Alyssa Parras

### Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Sampling Date:

Reported: 09/18/2024 Sampling Type: Soil Project Name: FEDERAL 01 BATTERY Sampling Condition: Cool & Intact

Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445

### Sample ID: SS 19 0.5' (H245567-02)

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	09/16/2024	ND	1.88	94.1	2.00	7.39	
Toluene*	<0.050	0.050	09/16/2024	ND	1.91	95.4	2.00	3.63	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	1.97	98.6	2.00	1.15	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	5.92	98.6	6.00	0.787	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	09/16/2024	ND	432	108	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	09/14/2024	ND	181	90.7	200	3.34	
DRO >C10-C28*	24.5	10.0	09/14/2024	ND	185	92.4	200	3.60	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	71.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115 %	% 49.1-14	8						

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Celey D. Keine



### Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Reported:

09/18/2024

Project Name: FEDERAL 01 BATTERY

Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445 Sampling Date: 09/12/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Alyssa Parras

### Sample ID: SS 20 0.5' (H245567-03)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/16/2024	ND	1.88	94.1	2.00	7.39	
Toluene*	<0.050	0.050	09/16/2024	ND	1.91	95.4	2.00	3.63	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	1.97	98.6	2.00	1.15	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	5.92	98.6	6.00	0.787	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9730	16.0	09/16/2024	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2024	ND	181	90.7	200	3.34	
DRO >C10-C28*	669	10.0	09/14/2024	ND	185	92.4	200	3.60	
EXT DRO >C28-C36	480	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	78.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	120 9	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



Sample Received By:

09/12/2024

Alyssa Parras

### Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Sampling Date:

Reported: 09/18/2024 Sampling Type: Soil
Project Name: FEDERAL 01 BATTERY Sampling Condition: Cool & Intact

Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445

### Sample ID: SS 21 0.5' (H245567-04)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/16/2024	ND	1.88	94.1	2.00	7.39	
Toluene*	<0.050	0.050	09/16/2024	ND	1.91	95.4	2.00	3.63	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	1.97	98.6	2.00	1.15	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	5.92	98.6	6.00	0.787	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.4	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	'kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	09/16/2024	ND	432	108	400	3.64	
TPH 8015M	mg,	'kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2024	ND	181	90.7	200	3.34	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	185	92.4	200	3.60	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	93.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	128	% 49.1-14	8						

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### Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Reported: 09/18/2024

FEDERAL 01 BATTERY

Project Name: Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445 Sampling Date: 09/12/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By:

Alyssa Parras

### Sample ID: SS 22 0.5' (H245567-05)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/16/2024	ND	1.88	94.1	2.00	7.39	
Toluene*	<0.050	0.050	09/16/2024	ND	1.91	95.4	2.00	3.63	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	1.97	98.6	2.00	1.15	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	5.92	98.6	6.00	0.787	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.0	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	09/16/2024	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2024	ND	181	90.7	200	3.34	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	185	92.4	200	3.60	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	91.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	126	% 49.1-14	8						

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### Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Sampling Date: 09/12/2024

Reported: 09/18/2024 Sampling Type: Soil

Project Name: FEDERAL 01 BATTERY Sampling Condition: Cool & Intact
Project Number: 03B1417193 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: OXY 32.419379, -103.733445

ma/ka

### Sample ID: SS 23 0.5' (H245567-06)

RTFY 8021R

BIEX 8021B	тд/кд		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/16/2024	ND	1.88	94.1	2.00	7.39	
Toluene*	<0.050	0.050	09/16/2024	ND	1.91	95.4	2.00	3.63	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	1.97	98.6	2.00	1.15	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	5.92	98.6	6.00	0.787	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/16/2024	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2024	ND	181	90.7	200	3.34	
DRO >C10-C28*	388	10.0	09/14/2024	ND	185	92.4	200	3.60	
EXT DRO >C28-C36	99.4	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	86.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	122	% 49.1-14	8						

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### Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Reported: 09/18/2024

FEDERAL 01 BATTERY

mg/kg

Project Name: FEDERAL 01
Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445

Sampling Date: 09/12/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SS 24 0.5' (H245567-07)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/16/2024	ND	1.88	94.1	2.00	7.39	
Toluene*	<0.050	0.050	09/16/2024	ND	1.91	95.4	2.00	3.63	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	1.97	98.6	2.00	1.15	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	5.92	98.6	6.00	0.787	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/16/2024	ND	432	108	400	3.64	
TPH 8015M	mg,	'kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2024	ND	181	90.7	200	3.34	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	185	92.4	200	3.60	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	92.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	126	% 49.1-14	8						

Analyzed By: JH

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### Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Reported:

09/18/2024

Sampling Date:

Project Name:

FEDERAL 01 BATTERY

Sampling Type: Soil Sampling Condition:

Cool & Intact

09/12/2024

Project Number:

03B1417193

Sample Received By:

Alyssa Parras

Project Location:

OXY 32.419379, -103.733445

### Sample ID: SS 25 0.5' (H245567-08)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/16/2024	ND	1.88	94.1	2.00	7.39	
Toluene*	<0.050	0.050	09/16/2024	ND	1.91	95.4	2.00	3.63	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	1.97	98.6	2.00	1.15	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	5.92	98.6	6.00	0.787	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4500	16.0	09/16/2024	ND	432	108	400	3.64	
TPH 8015M	mg/	'kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2024	ND	181	90.7	200	3.34	
DRO >C10-C28*	13.7	10.0	09/14/2024	ND	185	92.4	200	3.60	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	89.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	127 9	% 49.1-14	8						

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Celey D. Keene



# Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Reported:

09/18/2024

ma/ka

Project Name: FEDERAL 01 BATTERY

Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445 Sampling Date: 09/12/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Alyssa Parras

# Sample ID: SS 26 0.5' (H245567-09)

RTFY 8021R

B1EX 8021B	mg/	кg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/16/2024	ND	1.88	94.1	2.00	7.39	
Toluene*	<0.050	0.050	09/16/2024	ND	1.91	95.4	2.00	3.63	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	1.97	98.6	2.00	1.15	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	5.92	98.6	6.00	0.787	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.6	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1090	16.0	09/16/2024	ND	432	108	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	09/14/2024	ND	181	90.7	200	3.34	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	185	92.4	200	3.60	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	84.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117 9	% 49.1-14	8						

Applyzod By: 14

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Celey D. Keine



# Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Sampling Date: 09/12/2024

Reported: 09/18/2024 Sampling Type: Soil Project Name: FEDERAL 01 BATTERY Sampling Condition: Cool & Intact

Sample Received By: Project Number: 03B1417193 Alyssa Parras

Project Location: OXY 32.419379, -103.733445

# Sample ID: SS 27 0.5' (H245567-10)

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	09/16/2024	ND	1.88	94.2	2.00	11.2	
Toluene*	<0.050	0.050	09/16/2024	ND	2.02	101	2.00	8.49	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	2.06	103	2.00	6.57	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	6.40	107	6.00	5.92	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12500	16.0	09/16/2024	ND	432	108	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	09/14/2024	ND	181	90.7	200	3.34	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	185	92.4	200	3.60	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	89.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	123 9	% 49.1-14	8						

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Celey D. Keine



# Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Reported: 09/18/2024

Project Name: FEDERAL 01 BATTERY

Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445

Sampling Date: 09/12/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact

Sample Received By: Alyssa Parras

# Sample ID: SS 28 0.5' (H245567-11)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/16/2024	ND	1.88	94.2	2.00	11.2	
Toluene*	<0.050	0.050	09/16/2024	ND	2.02	101	2.00	8.49	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	2.06	103	2.00	6.57	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	6.40	107	6.00	5.92	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	09/16/2024	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2024	ND	181	90.7	200	3.34	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	185	92.4	200	3.60	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	85.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



# Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Reported:

09/18/2024

Project Name: FEDERAL 01 BATTERY

Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445 Sampling Date: 09/12/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By:

Alyssa Parras

# Sample ID: SS 29 0.5' (H245567-12)

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	09/16/2024	ND	1.88	94.2	2.00	11.2	
Toluene*	<0.050	0.050	09/16/2024	ND	2.02	101	2.00	8.49	
Ethylbenzene*	< 0.050	0.050	09/16/2024	ND	2.06	103	2.00	6.57	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	6.40	107	6.00	5.92	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5680	16.0	09/16/2024	ND	400	100	400	3.92	QM-07
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	09/14/2024	ND	181	90.7	200	3.34	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	185	92.4	200	3.60	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	84.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116	% 49.1-14	8						

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Celey D. Keene



# Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Sampling Date: 09/12/2024

Reported: 09/18/2024 Sampling Type: Soil

Project Name: FEDERAL 01 BATTERY Sampling Condition: Cool & Intact Sample Received By: Project Number: 03B1417193 Alyssa Parras

Project Location: OXY 32.419379, -103.733445

# Sample ID: SS 30 0.5' (H245567-13)

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	09/16/2024	ND	1.88	94.2	2.00	11.2	
Toluene*	<0.050	0.050	09/16/2024	ND	2.02	101	2.00	8.49	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	2.06	103	2.00	6.57	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	6.40	107	6.00	5.92	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	09/16/2024	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	09/14/2024	ND	197	98.3	200	4.05	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	185	92.7	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	97.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

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Celey D. Keene



# Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Sampling Date: 09/12/2024

Reported: 09/18/2024 Sampling Type: Soil

Project Name: FEDERAL 01 BATTERY Sampling Condition: Cool & Intact Sample Received By: Project Number: 03B1417193 Alyssa Parras

Project Location: OXY 32.419379, -103.733445

# Sample ID: SS 31 0.5' (H245567-14)

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	09/16/2024	ND	1.88	94.2	2.00	11.2	
Toluene*	<0.050	0.050	09/16/2024	ND	2.02	101	2.00	8.49	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	2.06	103	2.00	6.57	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	6.40	107	6.00	5.92	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500CI-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	09/16/2024	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	09/14/2024	ND	197	98.3	200	4.05	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	185	92.7	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	96.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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# Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Reported: 09/18/2024

Project Name: FEDERAL 01 BATTERY

Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445

ma/ka

Sampling Date: 09/12/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By:

Alyssa Parras

# Sample ID: SS 32 0.5' (H245567-15)

RTFY 8021R

B1EX 8021B	mg/	кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/16/2024	ND	1.88	94.2	2.00	11.2	
Toluene*	<0.050	0.050	09/16/2024	ND	2.02	101	2.00	8.49	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	2.06	103	2.00	6.57	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	6.40	107	6.00	5.92	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/16/2024	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	09/14/2024	ND	197	98.3	200	4.05	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	185	92.7	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	97.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

Applyzod By: 14

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# Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Reported: 09/18/2024

FEDERAL 01 BATTERY

Project Name: Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445 Sampling Date: 09/12/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By:

Alyssa Parras

# Sample ID: SS 33 0.5' (H245567-16)

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	09/16/2024	ND	1.88	94.2	2.00	11.2	
Toluene*	<0.050	0.050	09/16/2024	ND	2.02	101	2.00	8.49	
Ethylbenzene*	< 0.050	0.050	09/16/2024	ND	2.06	103	2.00	6.57	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	6.40	107	6.00	5.92	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9400	16.0	09/16/2024	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	09/14/2024	ND	197	98.3	200	4.05	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	185	92.7	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	96.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111	% 49.1-14	8						

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

\*=Accredited Analyte



# Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Reported: 09/18/2024

Project Name: FEDERAL 01 BATTERY

Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445 Sampling Date: 09/12/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Alyssa Parras

# Sample ID: SS 34 0.5' (H245567-17)

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	09/16/2024	ND	1.88	94.2	2.00	11.2	
Toluene*	<0.050	0.050	09/16/2024	ND	2.02	101	2.00	8.49	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	2.06	103	2.00	6.57	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	6.40	107	6.00	5.92	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 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	1250	16.0	09/16/2024	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	09/14/2024	ND	197	98.3	200	4.05	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	185	92.7	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	99.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	123 9	% 49.1-14	8						

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Sample Received By:

09/12/2024

Alyssa Parras

# Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Sampling Date:

Reported: 09/18/2024 Sampling Type: Soil
Project Name: FEDERAL 01 BATTERY Sampling Condition: Cool & Intact

Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445

# Sample ID: SS 35 0.5' (H245567-18)

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	09/16/2024	ND	1.88	94.2	2.00	11.2	
Toluene*	<0.050	0.050	09/16/2024	ND	2.02	101	2.00	8.49	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	2.06	103	2.00	6.57	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	6.40	107	6.00	5.92	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11600	16.0	09/16/2024	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	09/14/2024	ND	197	98.3	200	4.05	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	185	92.7	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	90.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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# Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Reported: 09/18/2024

FEDERAL 01 BATTERY

Project Name: Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445 Sampling Date: 09/12/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By:

Alyssa Parras

# Sample ID: SS 36 0.5' (H245567-19)

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	09/16/2024	ND	1.88	94.2	2.00	11.2	
Toluene*	<0.050	0.050	09/16/2024	ND	2.02	101	2.00	8.49	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	2.06	103	2.00	6.57	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	6.40	107	6.00	5.92	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1760	16.0	09/16/2024	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	09/14/2024	ND	197	98.3	200	4.05	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	185	92.7	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	86.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.8	% 49.1-14	8						

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Celey D. Keene



# Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Reported: 09/18/2024

Project Name: FEDERAL 01 BATTERY

Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445 Sampling Date: 09/12/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By:

Alyssa Parras

# Sample ID: SS 37 0.5' (H245567-20)

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	09/16/2024	ND	1.88	94.2	2.00	11.2	
Toluene*	<0.050	0.050	09/16/2024	ND	2.02	101	2.00	8.49	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	2.06	103	2.00	6.57	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	6.40	107	6.00	5.92	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	09/16/2024	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	09/14/2024	ND	197	98.3	200	4.05	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	185	92.7	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	91.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

\*=Accredited Analyte



# Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Reported: 09/18/2024

FEDERAL 01 BATTERY

Project Name: FEDERAL 01 B Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445

Sampling Date: 09/12/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

# Sample ID: SS 38 0.5' (H245567-21)

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	09/16/2024	ND	1.88	94.2	2.00	11.2	
Toluene*	<0.050	0.050	09/16/2024	ND	2.02	101	2.00	8.49	
Ethylbenzene*	< 0.050	0.050	09/16/2024	ND	2.06	103	2.00	6.57	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	6.40	107	6.00	5.92	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-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	09/16/2024	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	09/14/2024	ND	197	98.3	200	4.05	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	185	92.7	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	95.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Celey D. Keene



# Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Reported: 09/18/2024

FEDERAL 01 BATTERY

Project Name: Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445 Sampling Date: 09/12/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Alyssa Parras

# Sample ID: SS 39 0.5' (H245567-22)

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	09/16/2024	ND	1.88	94.2	2.00	11.2	
Toluene*	<0.050	0.050	09/16/2024	ND	2.02	101	2.00	8.49	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	2.06	103	2.00	6.57	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	6.40	107	6.00	5.92	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500CI-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	09/16/2024	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	09/14/2024	ND	197	98.3	200	4.05	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	185	92.7	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	99.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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# Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Reported: 09/18/2024

Project Name: FEDERAL 01 BATTERY

Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445 Sampling Date: 09/12/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Alyssa Parras

# Sample ID: SS 40 0.5' (H245567-23)

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	09/16/2024	ND	1.88	94.2	2.00	11.2	
Toluene*	<0.050	0.050	09/16/2024	ND	2.02	101	2.00	8.49	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	2.06	103	2.00	6.57	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	6.40	107	6.00	5.92	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500CI-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	09/16/2024	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	09/14/2024	ND	197	98.3	200	4.05	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	185	92.7	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	89.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.9	% 49.1-14	8						

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# Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Sampling Date: 09/12/2024

Reported: 09/18/2024 Sampling Type: Soil

Project Name: FEDERAL 01 BATTERY Sampling Condition: Cool & Intact
Project Number: 03B1417193 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: OXY 32.419379, -103.733445

ma/ka

# Sample ID: SS 41 0.5' (H245567-24)

RTFY 8021R

Result								
	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<0.050	0.050	09/16/2024	ND	1.88	94.2	2.00	11.2	
<0.050	0.050	09/16/2024	ND	2.02	101	2.00	8.49	
<0.050	0.050	09/16/2024	ND	2.06	103	2.00	6.57	
<0.150	0.150	09/16/2024	ND	6.40	107	6.00	5.92	
<0.300	0.300	09/16/2024	ND					
101	% 71.5-13	4						
mg/kg		Analyzed By: CT						
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
160	16.0	09/16/2024	ND	400	100	400	3.92	
mg,	/kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	09/14/2024	ND	197	98.3	200	4.05	
<10.0	10.0	09/14/2024	ND	185	92.7	200	3.69	
<10.0	10.0	09/14/2024	ND					
96.9	% 48.2-13	4						
107	% 49.1-14	8						
	<0.050 <0.050 <0.050 <0.150 <0.300  1011 mg/ Result 160 mg/ Control Co	<0.050 0.050 <0.050 0.050 <0.150 0.150 <0.300 0.300  101		<0.050	<0.050	<0.050	<0.050	<0.050

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Celey D. Keene



# Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Sampling Date: 09/12/2024

Reported: 09/18/2024 Sampling Type: Soil
Project Name: FEDERAL 01 BATTERY Sampling Condition: Cool & Intact

Project Number: 03B1417193 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: OXY 32.419379, -103.733445

ma/ka

# Sample ID: SS 42 0.5' (H245567-25)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/16/2024	ND	1.88	94.2	2.00	11.2	
Toluene*	<0.050	0.050	09/16/2024	ND	2.02	101	2.00	8.49	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	2.06	103	2.00	6.57	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	6.40	107	6.00	5.92	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/16/2024	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2024	ND	197	98.3	200	4.05	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	185	92.7	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	99.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112	% 49.1-14	8						
Surrogate: 1-Chlorooctadecane	112	% 49.1-14	8						

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Celey D. Keine



# Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Reported:

09/18/2024

ma/ka

Project Name: FEDERAL 01 BATTERY Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445 Sampling Date: 09/12/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Alyssa Parras

Sample ID: SS 43 0.5' (H245567-26)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/16/2024	ND	1.88	94.2	2.00	11.2	
Toluene*	<0.050	0.050	09/16/2024	ND	2.02	101	2.00	8.49	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	2.06	103	2.00	6.57	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	6.40	107	6.00	5.92	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/16/2024	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	09/14/2024	ND	197	98.3	200	4.05	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	185	92.7	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	95.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

Applyzod By: 14

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Celey D. Keine



# Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Reported:

09/18/2024

Project Name: FEDERAL 01 BATTERY

Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445 Sampling Date: 09/12/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By:

Alyssa Parras

# Sample ID: SS 44 0.5' (H245567-27)

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	09/16/2024	ND	1.88	94.2	2.00	11.2	
Toluene*	<0.050	0.050	09/16/2024	ND	2.02	101	2.00	8.49	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	2.06	103	2.00	6.57	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	6.40	107	6.00	5.92	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 71.5-13	4						
Chloride, SM4500CI-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	09/16/2024	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	09/14/2024	ND	197	98.3	200	4.05	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	185	92.7	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	91.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104 9	% 49.1-14	8						

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Celey D. Keene



Sample Received By:

09/12/2024

Alyssa Parras

# Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Sampling Date:

Reported: 09/18/2024 Sampling Type: Soil
Project Name: FEDERAL 01 BATTERY Sampling Condition: Cool & Intact

Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445

# Sample ID: SS 45 0.5' (H245567-28)

BTEX 8021B	mg/kg		Analyze	Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/16/2024	ND	1.88	94.2	2.00	11.2	
Toluene*	<0.050	0.050	09/16/2024	ND	2.02	101	2.00	8.49	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	2.06	103	2.00	6.57	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	6.40	107	6.00	5.92	
Total BTEX	<0.300	0.300	09/16/2024	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	64.0	16.0	09/16/2024	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	09/14/2024	ND	197	98.3	200	4.05	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	185	92.7	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	90.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.4	% 49.1-14	18						

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Celey D. Kune



Sample Received By:

09/12/2024

Alyssa Parras

# Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Sampling Date:

Reported: 09/18/2024 Sampling Type: Soil
Project Name: FEDERAL 01 BATTERY Sampling Condition: Cool & Intact

Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445

# Sample ID: SS 46 0.5' (H245567-29)

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	09/16/2024	ND	1.88	94.2	2.00	11.2	
Toluene*	<0.050	0.050	09/16/2024	ND	2.02	101	2.00	8.49	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	2.06	103	2.00	6.57	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	6.40	107	6.00	5.92	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8	% 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	09/16/2024	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	09/14/2024	ND	197	98.3	200	4.05	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	185	92.7	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	77.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.5	% 49.1-14	8						

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Celey D. Keine



# Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Sampling Date: 09/12/2024

Reported: 09/18/2024 Sampling Type: Soil

Project Name: FEDERAL 01 BATTERY Sampling Condition: Cool & Intact
Project Number: 03B1417193 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: OXY 32.419379, -103.733445

mg/kg

# Sample ID: SS 47 0.5' (H245567-30)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/16/2024	ND	1.79	89.6	2.00	8.94	
Toluene*	<0.050	0.050	09/16/2024	ND	1.76	87.8	2.00	5.78	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	1.84	92.0	2.00	4.00	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	5.45	90.8	6.00	3.92	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.8	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/16/2024	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	09/14/2024	ND	197	98.3	200	4.05	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	185	92.7	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	82.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.0	% 49.1-14	8						

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Celey D. Keene



# Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Sampling Date: 09/12/2024

Reported: 09/18/2024 Sampling Type: Soil

Project Name: FEDERAL 01 BATTERY Sampling Condition: Cool & Intact Alyssa Parras Project Number: 03B1417193 Sample Received By:

Project Location: OXY 32.419379, -103.733445

# Sample ID: SS 48 0.5' (H245567-31)

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	09/16/2024	ND	1.79	89.6	2.00	8.94	
Toluene*	< 0.050	0.050	09/16/2024	ND	1.76	87.8	2.00	5.78	
Ethylbenzene*	< 0.050	0.050	09/16/2024	ND	1.84	92.0	2.00	4.00	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	5.45	90.8	6.00	3.92	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.4 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	16.0	16.0	09/16/2024	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	09/14/2024	ND	197	98.3	200	4.05	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	185	92.7	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	92.1 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105 %	% 49.1-14	8						

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Celey D. Keine



Sample Received By:

09/12/2024

Alyssa Parras

# Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Sampling Date:

Reported: 09/18/2024 Sampling Type: Soil Project Name: FEDERAL 01 BATTERY Sampling Condition: Cool & Intact

Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445

# Sample ID: SS 49 0.5' (H245567-32)

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	09/16/2024	ND	1.79	89.6	2.00	8.94	
Toluene*	<0.050	0.050	09/16/2024	ND	1.76	87.8	2.00	5.78	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	1.84	92.0	2.00	4.00	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	5.45	90.8	6.00	3.92	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.5	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/16/2024	ND	416	104	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	09/14/2024	ND	197	98.3	200	4.05	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	185	92.7	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	89.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 9	% 49.1-14	8						

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Celey D. Keene



# Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Reported: 09/18/2024

FEDERAL 01 BATTERY

Project Name: Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445 Sampling Date: 09/12/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By:

Alyssa Parras

# Sample ID: SS 50 0.5' (H245567-33)

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	09/16/2024	ND	1.79	89.6	2.00	8.94	
Toluene*	<0.050	0.050	09/16/2024	ND	1.76	87.8	2.00	5.78	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	1.84	92.0	2.00	4.00	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	5.45	90.8	6.00	3.92	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.2	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/16/2024	ND	416	104	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	09/14/2024	ND	213	107	200	1.85	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	211	105	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	100 5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	126	% 49.1-14	8						

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Celey D. Keene



# Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Reported: 09/18/2024

FEDERAL 01 BATTERY

Project Name: Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445 Sampling Date: 09/12/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Alyssa Parras

# Sample ID: SS 51 0.5' (H245567-34)

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	09/16/2024	ND	1.79	89.6	2.00	8.94	
Toluene*	<0.050	0.050	09/16/2024	ND	1.76	87.8	2.00	5.78	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	1.84	92.0	2.00	4.00	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	5.45	90.8	6.00	3.92	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.8	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/16/2024	ND	416	104	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	09/14/2024	ND	213	107	200	1.85	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	211	105	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	98.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	124 9	% 49.1-14	8						

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Celey D. Keene



# Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Reported: 09/18/2024

FEDERAL 01 BATTERY

Project Name: Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445 Sampling Date: 09/12/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Alyssa Parras

# Sample ID: SS 52 0.5' (H245567-35)

BTEX 8021B	mg/	kg	Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/16/2024	ND	1.79	89.6	2.00	8.94	
Toluene*	<0.050	0.050	09/16/2024	ND	1.76	87.8	2.00	5.78	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	1.84	92.0	2.00	4.00	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	5.45	90.8	6.00	3.92	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.1	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/16/2024	ND	416	104	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	09/14/2024	ND	213	107	200	1.85	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	211	105	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	96.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	121 9	% 49.1-14	8						

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Celey D. Keene



# Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Reported: 09/18/2024

FEDERAL 01 BATTERY

mg/kg

Project Name: Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445 Sampling Date: 09/12/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By:

Alyssa Parras

# Sample ID: SS 53 0.5' (H245567-36)

BTEX 8021B

	9/	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/16/2024	ND	1.79	89.6	2.00	8.94	
Toluene*	<0.050	0.050	09/16/2024	ND	1.76	87.8	2.00	5.78	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	1.84	92.0	2.00	4.00	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	5.45	90.8	6.00	3.92	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.1	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/16/2024	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2024	ND	213	107	200	1.85	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	211	105	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	133	% 49.1-14	8						

Analyzed By: JH

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Celey D. Keene



# Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Reported: 09/18/2024

FEDERAL 01 BATTERY

Project Name: Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445 Sampling Date: 09/12/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Alyssa Parras

Sample ID: SS 54 0.5' (H245567-37)

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	09/16/2024	ND	1.79	89.6	2.00	8.94	
Toluene*	<0.050	0.050	09/16/2024	ND	1.76	87.8	2.00	5.78	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	1.84	92.0	2.00	4.00	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	5.45	90.8	6.00	3.92	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.2	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/16/2024	ND	416	104	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	09/14/2024	ND	213	107	200	1.85	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	211	105	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	102 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	129	% 49.1-14	8						

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Celey D. Keene



# Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Reported: 09/18/2024

Project Name: FEDERAL 01 BATTERY

Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445

ma/ka

Sampling Date: 09/12/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

# Sample ID: SS 55 0.5' (H245567-38)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/16/2024	ND	1.79	89.6	2.00	8.94	
Toluene*	<0.050	0.050	09/16/2024	ND	1.76	87.8	2.00	5.78	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	1.84	92.0	2.00	4.00	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	5.45	90.8	6.00	3.92	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.3	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/16/2024	ND	416	104	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	09/14/2024	ND	213	107	200	1.85	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	211	105	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	95.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	120	% 49.1-14	8						

Applyzod By: 14

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# Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Reported:

09/18/2024

Project Name: FEDERAL 01 BATTERY

Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445 Sampling Date: 09/12/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Alyssa Parras

# Sample ID: SS 56 0.5' (H245567-39)

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	09/16/2024	ND	1.79	89.6	2.00	8.94	
Toluene*	<0.050	0.050	09/16/2024	ND	1.76	87.8	2.00	5.78	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	1.84	92.0	2.00	4.00	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	5.45	90.8	6.00	3.92	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.5	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/16/2024	ND	416	104	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	09/14/2024	ND	213	107	200	1.85	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	211	105	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	85.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

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# Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Sampling Date: 09/12/2024

Reported: 09/18/2024 Sampling Type: Soil

Project Name: FEDERAL 01 BATTERY Sampling Condition: Cool & Intact
Project Number: 03B1417193 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: OXY 32.419379, -103.733445

ma/ka

# Sample ID: SS 57 0.5' (H245567-40)

RTFY 8021R

Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<0.050	0.050	09/16/2024	ND	1.79	89.6	2.00	8.94	
<0.050	0.050	09/16/2024	ND	1.76	87.8	2.00	5.78	
<0.050	0.050	09/16/2024	ND	1.84	92.0	2.00	4.00	
<0.150	0.150	09/16/2024	ND	5.45	90.8	6.00	3.92	
<0.300	0.300	09/16/2024	ND					
94.3	% 71.5-13	4						
mg/	kg	Analyze	d By: HM					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<16.0	16.0	09/16/2024	ND	416	104	400	3.92	
mg/	kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	09/14/2024	ND	213	107	200	1.85	
<10.0	10.0	09/14/2024	ND	211	105	200	1.17	
<10.0	10.0	09/14/2024	ND					
95.0	% 48.2-13	4						
120 9	% 49.1-14	8						
	<0.050 <0.050 <0.050 <0.150 <0.300  94.3 mg/  Result <16.0 mg/  Result <10.0 <10.0 <95.0 mg/	<0.050 <0.050 <0.050 <0.050 <0.050 <0.150 <0.300 94.3 % 71.5-13 mg/kg Result Reporting Limit <16.0 16.0 mg/kg Result Reporting Limit <10.0 10.0 <10.0 10.0 <10.0 48.2-13	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050

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# Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Reported: 09/18/2024

FEDERAL 01 BATTERY

ma/ka

Project Name: FEDERAL 01
Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445

Sampling Date: 09/12/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

# Sample ID: SS 58 0.5' (H245567-41)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/16/2024	ND	1.79	89.6	2.00	8.94	
Toluene*	<0.050	0.050	09/16/2024	ND	1.76	87.8	2.00	5.78	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	1.84	92.0	2.00	4.00	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	5.45	90.8	6.00	3.92	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.3	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/16/2024	ND	416	104	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	09/14/2024	ND	213	107	200	1.85	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	211	105	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	93.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118	% 49.1-14	8						

Applyzod By: 14

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# Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Reported:

09/18/2024

Project Name: FEDERAL 01 BATTERY

Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445 Sampling Date: 09/12/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Alyssa Parras

Sample ID: SS 59 0.5' (H245567-42)

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	09/16/2024	ND	1.79	89.6	2.00	8.94	
Toluene*	<0.050	0.050	09/16/2024	ND	1.76	87.8	2.00	5.78	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	1.84	92.0	2.00	4.00	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	5.45	90.8	6.00	3.92	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.5	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/16/2024	ND	416	104	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	09/14/2024	ND	213	107	200	1.85	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	211	105	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	97.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	122 9	% 49.1-14	8						

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# Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Sampling Date: 09/12/2024

Reported: 09/18/2024 Sampling Type: Soil

Project Name: FEDERAL 01 BATTERY Sampling Condition: Cool & Intact
Project Number: 03B1417193 Sample Received By: Alyssa Parras

Project Location: OXY 32.419379, -103.733445

# Sample ID: SS 60 0.5' (H245567-43)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/16/2024	ND	1.79	89.6	2.00	8.94	
Toluene*	<0.050	0.050	09/16/2024	ND	1.76	87.8	2.00	5.78	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	1.84	92.0	2.00	4.00	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	5.45	90.8	6.00	3.92	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.7	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/16/2024	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2024	ND	213	107	200	1.85	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	211	105	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	111	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	142	% 49.1-14	8						

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Sample Received By:

09/12/2024

Cool & Intact

Alyssa Parras

Soil

# Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Sampling Date:

Reported: 09/18/2024 Sampling Type:
Project Name: FEDERAL 01 BATTERY Sampling Condition:

Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445

# Sample ID: SS 61 0.5' (H245567-44)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/16/2024	ND	1.79	89.6	2.00	8.94	
Toluene*	<0.050	0.050	09/16/2024	ND	1.76	87.8	2.00	5.78	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	1.84	92.0	2.00	4.00	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	5.45	90.8	6.00	3.92	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.3	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/16/2024	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2024	ND	213	107	200	1.85	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	211	105	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	98.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	124	% 49.1-14	8						

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Celey D. Keene



## Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Reported: 09/18/2024

Project Name: FEDERAL 01 BATTERY

Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445

ma/ka

Sampling Date: 09/12/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By:

Alyssa Parras

## Sample ID: SS 62 0.5' (H245567-45)

RTFY 8021R

B1EX 8021B	mg/	кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/16/2024	ND	1.79	89.6	2.00	8.94	
Toluene*	<0.050	0.050	09/16/2024	ND	1.76	87.8	2.00	5.78	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	1.84	92.0	2.00	4.00	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	5.45	90.8	6.00	3.92	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/16/2024	ND	416	104	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	09/14/2024	ND	213	107	200	1.85	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	211	105	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	106 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	131 9	% 49.1-14	8						

Applyzod By: 14

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Celey D. Keine



Sample Received By:

09/12/2024

Alyssa Parras

## Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Sampling Date:

Reported: 09/18/2024 Sampling Type: Soil Sampling Condition: Cool & Intact

Project Name: FEDERAL 01 BATTERY Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445

## Sample ID: SS 63 0.5' (H245567-46)

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	09/16/2024	ND	1.79	89.6	2.00	8.94	
Toluene*	<0.050	0.050	09/16/2024	ND	1.76	87.8	2.00	5.78	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	1.84	92.0	2.00	4.00	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	5.45	90.8	6.00	3.92	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.4	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/16/2024	ND	416	104	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	09/14/2024	ND	213	107	200	1.85	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	211	105	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	84.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104 9	% 49.1-14	8						

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## Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Reported: 09/18/2024

Project Name: FEDERAL 01 BATTERY

Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445 Sampling Date: 09/12/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Alyssa Parras

Sample ID: SS 64 0.5' (H245567-47)

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	09/16/2024	ND	1.79	89.6	2.00	8.94	
Toluene*	<0.050	0.050	09/16/2024	ND	1.76	87.8	2.00	5.78	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	1.84	92.0	2.00	4.00	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	5.45	90.8	6.00	3.92	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.1	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/16/2024	ND	416	104	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	09/14/2024	ND	213	107	200	1.85	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	211	105	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	85.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106 9	% 49.1-14	8						

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Celey D. Keene



09/12/2024

Cool & Intact

Alyssa Parras

Soil

Sampling Date:

Sample Received By:

## Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024

Reported: 09/18/2024 Sampling Type: Project Name: FEDERAL 01 BATTERY Sampling Condition:

Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445

## Sample ID: SS 65 0.5' (H245567-48)

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	09/16/2024	ND	1.79	89.6	2.00	8.94	
Toluene*	<0.050	0.050	09/16/2024	ND	1.76	87.8	2.00	5.78	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	1.84	92.0	2.00	4.00	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	5.45	90.8	6.00	3.92	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/16/2024	ND	416	104	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	09/14/2024	ND	213	107	200	1.85	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	211	105	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	92.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

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## Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Reported: 09/18/2024

FEDERAL 01 BATTERY

Project Name: Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445 Sampling Date: 09/12/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Alyssa Parras

## Sample ID: SS 66 0.5' (H245567-49)

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	09/16/2024	ND	1.79	89.6	2.00	8.94	
Toluene*	<0.050	0.050	09/16/2024	ND	1.76	87.8	2.00	5.78	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	1.84	92.0	2.00	4.00	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	5.45	90.8	6.00	3.92	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.7	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/16/2024	ND	416	104	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	09/14/2024	ND	213	107	200	1.85	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	211	105	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	84.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103 9	% 49.1-14	8						

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## Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Sampling Date: 09/12/2024

Reported: 09/18/2024 Sampling Type: Soil

Project Name: FEDERAL 01 BATTERY Sampling Condition: Cool & Intact Project Number: Sample Received By: 03B1417193 Alyssa Parras

Project Location: OXY 32.419379, -103.733445

## Sample ID: SS 67 0.5' (H245567-50)

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	09/16/2024	ND	1.96	98.1	2.00	9.42	
Toluene*	<0.050	0.050	09/16/2024	ND	2.12	106	2.00	6.20	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	2.37	118	2.00	4.90	QM-07
Total Xylenes*	<0.150	0.150	09/16/2024	ND	7.20	120	6.00	5.45	QM-07, QR-03
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/16/2024	ND	416	104	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	09/14/2024	ND	213	107	200	1.85	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	211	105	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	85.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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## Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Reported: 09/18/2024

Project Name: FEDERAL 01 BATTERY

Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445

Sampling Date: 09/12/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

## Sample ID: SS 68 0.5' (H245567-51)

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	09/16/2024	ND	1.96	98.1	2.00	9.42	
Toluene*	<0.050	0.050	09/16/2024	ND	2.12	106	2.00	6.20	
Ethylbenzene*	< 0.050	0.050	09/16/2024	ND	2.37	118	2.00	4.90	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	7.20	120	6.00	5.45	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/16/2024	ND	416	104	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	09/14/2024	ND	213	107	200	1.85	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	211	105	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	84.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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## Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Reported: 09/18/2024

Project Name: FEDERAL 01 BATTERY

Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445 Sampling Date: 09/12/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Alyssa Parras

## Sample ID: SS 69 0.5' (H245567-52)

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	09/16/2024	ND	1.96	98.1	2.00	9.42	
Toluene*	<0.050	0.050	09/16/2024	ND	2.12	106	2.00	6.20	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	2.37	118	2.00	4.90	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	7.20	120	6.00	5.45	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500CI-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	09/16/2024	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	09/14/2024	ND	213	107	200	1.85	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	211	105	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	83.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101 9	% 49.1-14	8						

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## Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Reported: 09/18/2024

Project Name: FEDERAL 01 BATTERY

Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445 Sampling Date: 09/12/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Alyssa Parras

## Sample ID: SS 70 0.5' (H245567-53)

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	09/16/2024	ND	1.96	98.1	2.00	9.42	
Toluene*	<0.050	0.050	09/16/2024	ND	2.12	106	2.00	6.20	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	2.37	118	2.00	4.90	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	7.20	120	6.00	5.45	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 71.5-13	4						
Chloride, SM4500CI-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	09/16/2024	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	09/14/2024	ND	192	95.8	200	0.00679	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	196	98.0	200	0.306	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	79.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.2	% 49.1-14	8						

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Celey D. Keene



## Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Sampling Date: 09/12/2024

Reported: 09/18/2024 Sampling Type: Soil

Project Name: FEDERAL 01 BATTERY Sampling Condition: Cool & Intact Sample Received By: Alyssa Parras Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445

## Sample ID: SS 71 0.5' (H245567-54)

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	09/16/2024	ND	1.96	98.1	2.00	9.42	
Toluene*	<0.050	0.050	09/16/2024	ND	2.12	106	2.00	6.20	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	2.37	118	2.00	4.90	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	7.20	120	6.00	5.45	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/16/2024	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	09/14/2024	ND	192	95.8	200	0.00679	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	196	98.0	200	0.306	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	82.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.3	% 49.1-14	8						

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Celey D. Keene



09/12/2024

## Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Sampling Date:

Reported: 09/18/2024 Sampling Type: Soil Project Name: FEDERAL 01 BATTERY Sampling Condition: Cool & Intact

Sample Received By: Project Number: 03B1417193 Alyssa Parras

Project Location: OXY 32.419379, -103.733445

## Sample ID: SS 72 0.5' (H245567-55)

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	09/16/2024	ND	1.96	98.1	2.00	9.42	
Toluene*	<0.050	0.050	09/16/2024	ND	2.12	106	2.00	6.20	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	2.37	118	2.00	4.90	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	7.20	120	6.00	5.45	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 71.5-13	4						
Chloride, SM4500CI-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	09/16/2024	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	09/14/2024	ND	192	95.8	200	0.00679	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	196	98.0	200	0.306	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	74.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.2	% 49.1-14	8						

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## Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Reported: 09/18/2024

FEDERAL 01 BATTERY

Project Name: FEDERAL 01
Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445

Sampling Date: 09/12/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

## Sample ID: SS 73 0.5' (H245567-56)

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	09/16/2024	ND	1.96	98.1	2.00	9.42	
Toluene*	<0.050	0.050	09/16/2024	ND	2.12	106	2.00	6.20	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	2.37	118	2.00	4.90	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	7.20	120	6.00	5.45	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/16/2024	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	09/14/2024	ND	192	95.8	200	0.00679	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	196	98.0	200	0.306	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	76.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.3	% 49.1-14	8						

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## Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Reported: 09/18/2024

Project Name: FEDERAL 01 BATTERY

Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445 Sampling Date: 09/12/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Alyssa Parras

## Sample ID: SS 74 0.5' (H245567-57)

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	09/16/2024	ND	1.96	98.1	2.00	9.42	
Toluene*	<0.050	0.050	09/16/2024	ND	2.12	106	2.00	6.20	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	2.37	118	2.00	4.90	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	7.20	120	6.00	5.45	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/16/2024	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	09/14/2024	ND	192	95.8	200	0.00679	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	196	98.0	200	0.306	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	74.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.9	% 49.1-14	8						

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## Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Reported: 09/18/2024

FEDERAL 01 BATTERY

ma/ka

Project Name: FEDERAL 01 F Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445

Sampling Date: 09/12/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

## Sample ID: SS 75 0.5' (H245567-58)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/16/2024	ND	1.96	98.1	2.00	9.42	
Toluene*	<0.050	0.050	09/16/2024	ND	2.12	106	2.00	6.20	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	2.37	118	2.00	4.90	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	7.20	120	6.00	5.45	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/16/2024	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2024	ND	192	95.8	200	0.00679	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	196	98.0	200	0.306	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	76.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.2	% 49.1-14	8						

Applyzod By: 14

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## Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Sampling Date: 09/12/2024

Reported: 09/18/2024 Sampling Type: Soil

Project Name: FEDERAL 01 BATTERY Sampling Condition: Cool & Intact Sample Received By: Project Number: 03B1417193 Alyssa Parras

Project Location: OXY 32.419379, -103.733445

# Sample ID: SS 76 0.5' (H245567-59)

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	09/16/2024	ND	1.96	98.1	2.00	9.42	
Toluene*	<0.050	0.050	09/16/2024	ND	2.12	106	2.00	6.20	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	2.37	118	2.00	4.90	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	7.20	120	6.00	5.45	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	122 5	% 71.5-13	4						
Chloride, SM4500CI-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	09/16/2024	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	09/14/2024	ND	192	95.8	200	0.00679	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	196	98.0	200	0.306	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	78.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.8	% 49.1-14	8						

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## Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024

Reported: 09/18/2024 Sampling Type: Sampling Condition:

Project Name: FEDERAL 01 BATTERY Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445 Sampling Date: 09/12/2024 Soil

Cool & Intact Sample Received By: Alyssa Parras

## Sample ID: SS 77 0.5' (H245567-60)

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	09/16/2024	ND	1.96	98.1	2.00	9.42	
Toluene*	<0.050	0.050	09/16/2024	ND	2.12	106	2.00	6.20	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	2.37	118	2.00	4.90	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	7.20	120	6.00	5.45	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 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	09/16/2024	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	09/14/2024	ND	192	95.8	200	0.00679	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	196	98.0	200	0.306	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	79.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.2	% 49.1-14	8						

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## Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Sampling Date: 09/12/2024

Reported: 09/18/2024 Sampling Type: Soil

Project Name: FEDERAL 01 BATTERY Sampling Condition: Cool & Intact
Project Number: 03B1417193 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: OXY 32.419379, -103.733445

ma/ka

## Sample ID: SS 78 0.5' (H245567-61)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/16/2024	ND	1.96	98.1	2.00	9.42	
Toluene*	<0.050	0.050	09/16/2024	ND	2.12	106	2.00	6.20	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	2.37	118	2.00	4.90	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	7.20	120	6.00	5.45	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/16/2024	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2024	ND	192	95.8	200	0.00679	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	196	98.0	200	0.306	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	78.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.5	% 49.1-14	8						

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## Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Reported: 09/18/2024

09/18/2024

mg/kg

FEDERAL 01 BATTERY

Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445

Sampling Date: 09/12/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

## Sample ID: SS 79 0.5' (H245567-62)

Project Name:

BTEX 8021B

DILX GOZID	11197	K9	Alldiyzo	.u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/16/2024	ND	1.96	98.1	2.00	9.42	
Toluene*	<0.050	0.050	09/16/2024	ND	2.12	106	2.00	6.20	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	2.37	118	2.00	4.90	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	7.20	120	6.00	5.45	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	ed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/16/2024	ND	416	104	400	0.00	
TPH 8015M	mg,	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2024	ND	192	95.8	200	0.00679	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	196	98.0	200	0.306	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	77.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.5	% 49.1-14	8						

Analyzed By: JH

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Celey D. Keene



## Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Sampling Date: 09/12/2024

Reported: 09/18/2024 Sampling Type: Soil Project Name: FEDERAL 01 BATTERY Sampling Condition: Cool & Intact

Project Number: Sample Received By: Alyssa Parras 03B1417193

Project Location: OXY 32.419379, -103.733445

## Sample ID: SS 80 0.5' (H245567-63)

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	09/16/2024	ND	1.96	98.1	2.00	9.42	
Toluene*	<0.050	0.050	09/16/2024	ND	2.12	106	2.00	6.20	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	2.37	118	2.00	4.90	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	7.20	120	6.00	5.45	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/16/2024	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	09/14/2024	ND	192	95.8	200	0.00679	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	196	98.0	200	0.306	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	76.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.2	% 49.1-14	8						

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## Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Sampling Date: 09/12/2024

Reported: 09/18/2024 Sampling Type: Soil

Project Name: FEDERAL 01 BATTERY Sampling Condition: Cool & Intact Sample Received By: Project Number: 03B1417193 Alyssa Parras

Project Location: OXY 32.419379, -103.733445

## Sample ID: SS 81 0.5' (H245567-64)

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	09/16/2024	ND	1.96	98.1	2.00	9.42	
Toluene*	<0.050	0.050	09/16/2024	ND	2.12	106	2.00	6.20	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	2.37	118	2.00	4.90	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	7.20	120	6.00	5.45	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 71.5-13	4						
Chloride, SM4500CI-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	09/16/2024	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	09/14/2024	ND	192	95.8	200	0.00679	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	196	98.0	200	0.306	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	75.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.0	% 49.1-14	8						

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## Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Sampling Date: 09/12/2024

Reported: 09/18/2024 Sampling Type: Soil

Project Name: FEDERAL 01 BATTERY Sampling Condition: Cool & Intact Sample Received By: Alyssa Parras Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445

## Sample ID: SS 82 0.5' (H245567-65)

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	09/16/2024	ND	1.96	98.1	2.00	9.42	
Toluene*	<0.050	0.050	09/16/2024	ND	2.12	106	2.00	6.20	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	2.37	118	2.00	4.90	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	7.20	120	6.00	5.45	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 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	09/16/2024	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	09/14/2024	ND	192	95.8	200	0.00679	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	196	98.0	200	0.306	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	81.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.1	% 49.1-14	8						

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## Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Sampling Date: 09/12/2024

Reported: 09/18/2024 Sampling Type: Soil

Project Name: FEDERAL 01 BATTERY Sampling Condition: Cool & Intact Sample Received By: Project Number: 03B1417193 Alyssa Parras

Project Location: OXY 32.419379, -103.733445

## Sample ID: SS 83 0.5' (H245567-66)

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	09/16/2024	ND	1.96	98.1	2.00	9.42	
Toluene*	<0.050	0.050	09/16/2024	ND	2.12	106	2.00	6.20	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	2.37	118	2.00	4.90	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	7.20	120	6.00	5.45	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 %	71.5-13	4						
Chloride, SM4500Cl-B	mg/	mg/kg Analyze							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/16/2024	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	09/14/2024	ND	192	95.8	200	0.00679	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	196	98.0	200	0.306	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	70.3 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.1 9	% 49.1-14	8						

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## Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Sampling Date: 09/12/2024

Reported: 09/18/2024 Sampling Type: Soil

Project Name: FEDERAL 01 BATTERY Sampling Condition: Cool & Intact Sample Received By: Project Number: 03B1417193 Alyssa Parras

Project Location: OXY 32.419379, -103.733445

## Sample ID: SS 84 0.5' (H245567-67)

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	09/16/2024	ND	1.96	98.1	2.00	9.42	
Toluene*	<0.050	0.050	09/16/2024	ND	2.12	106	2.00	6.20	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	2.37	118	2.00	4.90	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	7.20	120	6.00	5.45	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 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	09/16/2024	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	09/14/2024	ND	192	95.8	200	0.00679	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	196	98.0	200	0.306	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	74.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.2	% 49.1-14	8						

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## Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Reported: 09/18/2024

Project Name: FEDERAL 01 BATTERY

Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445

Sampling Date: 09/12/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

## Sample ID: SS 85 0.5' (H245567-68)

Analyte Result Reporting Limit Analyzed	Method Blank	BS	% Recovery	T 1/1 00		
			70 INCCOVERY	True Value QC	RPD	Qualifier
Benzene* <0.050 0.050 09/16/202	4 ND	1.96	98.1	2.00	9.42	
Toluene* <0.050 0.050 09/16/202	4 ND	2.12	106	2.00	6.20	
Ethylbenzene* <0.050 0.050 09/16/202	4 ND	2.37	118	2.00	4.90	
Total Xylenes* <0.150 0.150 09/16/202	4 ND	7.20	120	6.00	5.45	
Total BTEX <0.300 0.300 09/16/202	4 ND					
Surrogate: 4-Bromofluorobenzene (PID 105 % 71.5-134						
Chloride, SM4500Cl-B mg/kg Anal	yzed By: CT					
Analyte Result Reporting Limit Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride 16.0</b> 16.0 09/16/202	4 ND	416	104	400	0.00	
TPH 8015M mg/kg Anal	yzed By: MS					
Analyte Result Reporting Limit Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10* <10.0 10.0 09/14/202	4 ND	192	95.8	200	0.00679	
DRO >C10-C28* <10.0 10.0 09/14/202	4 ND	196	98.0	200	0.306	
EXT DRO >C28-C36 <10.0 10.0 09/14/202	4 ND					
Surrogate: 1-Chlorooctane 71.7 % 48.2-134						
Surrogate: 1-Chlorooctadecane 84.0 % 49.1-148						

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## Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Reported: 09/18/2024

Project Name: FEDERAL 01 BATTERY

Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445 Sampling Date: 09/12/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Alyssa Parras

## Sample ID: SS 86 0.5' (H245567-69)

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	09/16/2024	ND	1.96	98.1	2.00	9.42	
Toluene*	<0.050	0.050	09/16/2024	ND	2.12	106	2.00	6.20	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	2.37	118	2.00	4.90	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	7.20	120	6.00	5.45	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	6 71.5-13	4						
Chloride, SM4500CI-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	09/16/2024	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	09/14/2024	ND	192	95.8	200	0.00679	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	196	98.0	200	0.306	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	76.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.4	% 49.1-14	8						

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## Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Sampling Date: 09/12/2024

Reported: 09/18/2024 Sampling Type: Soil

Project Name: FEDERAL 01 BATTERY Sampling Condition: Cool & Intact
Project Number: 03B1417193 Sample Received By: Alyssa Parras

Project Location: OXY 32.419379, -103.733445

## Sample ID: SS 87 0.5' (H245567-70)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/16/2024	ND	2.25	112	2.00	2.18	
Toluene*	<0.050	0.050	09/16/2024	ND	2.18	109	2.00	6.58	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	2.25	113	2.00	8.28	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	6.79	113	6.00	8.78	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/16/2024	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2024	ND	192	95.8	200	0.00679	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	196	98.0	200	0.306	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	75.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.0	% 49.1-14	8						

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## Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Reported: 09/18/2024

Project Name: FEDERAL 01 BATTERY

Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445

mg/kg

Sampling Date: 09/12/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

## Sample ID: SS 88 0.5' (H245567-71)

BTEX 8021B

DILX GOZID	11197	K9	Alldiyzo	.u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/16/2024	ND	2.25	112	2.00	2.18	
Toluene*	<0.050	0.050	09/16/2024	ND	2.18	109	2.00	6.58	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	2.25	113	2.00	8.28	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	6.79	113	6.00	8.78	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	ed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/16/2024	ND	416	104	400	0.00	
TPH 8015M	mg,	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2024	ND	192	95.8	200	0.00679	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	196	98.0	200	0.306	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	73.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.4	% 49.1-14	8						

Analyzed By: JH

Cardinal Laboratories \*=Accredited Analyte

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## Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Sampling Date: 09/12/2024

Reported: 09/18/2024 Sampling Type: Soil
Project Name: FEDERAL 01 BATTERY Sampling Condition: Cool & Intact

Project Number: 03B1417193 Sample Received By: Alyssa Parras

Project Location: OXY 32.419379, -103.733445

## Sample ID: SS 89 0.5' (H245567-72)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/16/2024	ND	2.25	112	2.00	2.18	
Toluene*	<0.050	0.050	09/16/2024	ND	2.18	109	2.00	6.58	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	2.25	113	2.00	8.28	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	6.79	113	6.00	8.78	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/16/2024	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2024	ND	192	95.8	200	0.00679	
DRO >C10-C28*	<10.0	10.0	09/14/2024	ND	196	98.0	200	0.306	
EXT DRO >C28-C36	<10.0	10.0	09/14/2024	ND					
Surrogate: 1-Chlorooctane	79.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.6	% 49.1-14	8						

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09/12/2024

## Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Sampling Date:

Reported: 09/18/2024 Sampling Type: Soil

Project Name: FEDERAL 01 BATTERY Sampling Condition: Cool & Intact Sample Received By: Project Number: 03B1417193 Alyssa Parras

Project Location: OXY 32.419379, -103.733445

## Sample ID: SS 90 0.5' (H245567-73)

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	09/16/2024	ND	2.25	112	2.00	2.18	
Toluene*	<0.050	0.050	09/16/2024	ND	2.18	109	2.00	6.58	
Ethylbenzene*	< 0.050	0.050	09/16/2024	ND	2.25	113	2.00	8.28	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	6.79	113	6.00	8.78	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/16/2024	ND	400	100	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	09/16/2024	ND	204	102	200	1.34	
DRO >C10-C28*	<10.0	10.0	09/16/2024	ND	200	99.8	200	1.38	
EXT DRO >C28-C36	<10.0	10.0	09/16/2024	ND					
Surrogate: 1-Chlorooctane	88.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.8	% 49.1-14	8						

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Sampling Condition:

Sample Received By:

09/12/2024

Cool & Intact

Alyssa Parras

## Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Sampling Date:

Reported: 09/18/2024 Sampling Type: Soil

Project Name: FEDERAL 01 BATTERY
Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445

#### Sample ID: SS 91 0.5' (H245567-74)

BTEX 8021B	mg,	/kg	Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/16/2024	ND	2.25	112	2.00	2.18	
Toluene*	<0.050	0.050	09/16/2024	ND	2.18	109	2.00	6.58	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	2.25	113	2.00	8.28	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	6.79	113	6.00	8.78	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13-	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/16/2024	ND	400	100	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	09/16/2024	ND	204	102	200	1.34	
DRO >C10-C28*	<10.0	10.0	09/16/2024	ND	200	99.8	200	1.38	
EXT DRO >C28-C36	<10.0	10.0	09/16/2024	ND					
Surrogate: 1-Chlorooctane	87.5	% 48.2-13-	4						
Surrogate: 1-Chlorooctadecane	97.4	% 49.1-148	8						

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09/12/2024

Cool & Intact

Alyssa Parras

Soil

Sampling Date:

Sample Received By:

## Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024

Reported: 09/18/2024 Sampling Type:
Project Name: FEDERAL 01 BATTERY Sampling Condition:

Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445

## Sample ID: SS 92 0.5' (H245567-75)

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	09/16/2024	ND	2.25	112	2.00	2.18	
Toluene*	<0.050	0.050	09/16/2024	ND	2.18	109	2.00	6.58	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	2.25	113	2.00	8.28	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	6.79	113	6.00	8.78	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	'kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/16/2024	ND	400	100	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	09/16/2024	ND	204	102	200	1.34	
DRO >C10-C28*	<10.0	10.0	09/16/2024	ND	200	99.8	200	1.38	
EXT DRO >C28-C36	<10.0	10.0	09/16/2024	ND					
Surrogate: 1-Chlorooctane	81.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.3	% 49.1-14	8						

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## Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Reported: 09/18/2024

FEDERAL 01 BATTERY

Project Name:

Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445 Sampling Date: 09/12/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By:

Alyssa Parras

## Sample ID: SS 93 0.5' (H245567-76)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/16/2024	ND	2.25	112	2.00	2.18	
Toluene*	<0.050	0.050	09/16/2024	ND	2.18	109	2.00	6.58	
Ethylbenzene*	< 0.050	0.050	09/16/2024	ND	2.25	113	2.00	8.28	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	6.79	113	6.00	8.78	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/16/2024	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/16/2024	ND	204	102	200	1.34	
DRO >C10-C28*	<10.0	10.0	09/16/2024	ND	200	99.8	200	1.38	
EXT DRO >C28-C36	<10.0	10.0	09/16/2024	ND					
Surrogate: 1-Chlorooctane	70.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.6	% 49.1-14	18						

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## Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Reported:

09/18/2024

ma/ka

Project Name: FEDERAL 01 BATTERY

Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445 Sampling Date: 09/12/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By:

Alyssa Parras

## Sample ID: SS 94 0.5' (H245567-77)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/16/2024	ND	2.25	112	2.00	2.18	
Toluene*	<0.050	0.050	09/16/2024	ND	2.18	109	2.00	6.58	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	2.25	113	2.00	8.28	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	6.79	113	6.00	8.78	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/16/2024	ND	400	100	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	09/16/2024	ND	204	102	200	1.34	
DRO >C10-C28*	<10.0	10.0	09/16/2024	ND	200	99.8	200	1.38	
EXT DRO >C28-C36	<10.0	10.0	09/16/2024	ND					
Surrogate: 1-Chlorooctane	82.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.8	% 49.1-14	8						

Applyzod By: 14

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## Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Reported: 09/18/2024

Project Name: FEDERAL 01 BATTERY

Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445 Sampling Date: 09/12/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Alyssa Parras

## Sample ID: SS 95 0.5' (H245567-78)

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	09/16/2024	ND	2.25	112	2.00	2.18	
Toluene*	<0.050	0.050	09/16/2024	ND	2.18	109	2.00	6.58	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	2.25	113	2.00	8.28	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	6.79	113	6.00	8.78	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/16/2024	ND	400	100	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	09/16/2024	ND	204	102	200	1.34	
DRO >C10-C28*	<10.0	10.0	09/16/2024	ND	200	99.8	200	1.38	
EXT DRO >C28-C36	<10.0	10.0	09/16/2024	ND					
Surrogate: 1-Chlorooctane	80.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.1	% 49.1-14	8						

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# Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Sampling Date: 09/12/2024

Reported: 09/18/2024 Sampling Type: Soil

Project Name: FEDERAL 01 BATTERY Sampling Condition: Cool & Intact Sample Received By: Project Number: 03B1417193 Alyssa Parras

Project Location: OXY 32.419379, -103.733445

## Sample ID: SS 96 0.5' (H245567-79)

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	09/16/2024	ND	2.25	112	2.00	2.18	
Toluene*	<0.050	0.050	09/16/2024	ND	2.18	109	2.00	6.58	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	2.25	113	2.00	8.28	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	6.79	113	6.00	8.78	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.7	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/16/2024	ND	400	100	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	09/16/2024	ND	204	102	200	1.34	
DRO >C10-C28*	<10.0	10.0	09/16/2024	ND	200	99.8	200	1.38	
EXT DRO >C28-C36	<10.0	10.0	09/16/2024	ND					
Surrogate: 1-Chlorooctane	82.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.9	% 49.1-14	8						

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Celey D. Keene



## Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/13/2024 Reported:

09/18/2024

Sampling Date: 09/12/2024 Sampling Type: Soil

Project Name:

FEDERAL 01 BATTERY

Sampling Condition: Cool & Intact

Project Number: 03B1417193 Sample Received By:

Alyssa Parras

Project Location: OXY 32.419379, -103.733445

## Sample ID: SS 97 0.5' (H245567-80)

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	09/16/2024	ND	2.25	112	2.00	2.18	
Toluene*	<0.050	0.050	09/16/2024	ND	2.18	109	2.00	6.58	
Ethylbenzene*	<0.050	0.050	09/16/2024	ND	2.25	113	2.00	8.28	
Total Xylenes*	<0.150	0.150	09/16/2024	ND	6.79	113	6.00	8.78	
Total BTEX	<0.300	0.300	09/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/16/2024	ND	400	100	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	09/16/2024	ND	204	102	200	1.34	
DRO >C10-C28*	<10.0	10.0	09/16/2024	ND	200	99.8	200	1.38	
EXT DRO >C28-C36	<10.0	10.0	09/16/2024	ND					
Surrogate: 1-Chlorooctane	74.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	75.1	% 49.1-14	8						

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Celey D. Keene



## **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.
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.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celeg D. Freene



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

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In no event shall Cardinal be liable for incidental or cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based unon any of the above cardinal subsidiaries,	other cause whatsoever shall be deemed waived consequental damages, including without limitation ance of services hereunder by Cardinal, regardle	unless made in writing and received on, business interruptions, loss of us ess of whether such claim is based.	d by Cardinal within 30 days after se, or loss of profits incurred by common any of the above at the second	by the client for the completion of the applicable lient, its subsidiaries,		
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O O Bapler - UPS - Bus - Other:	Observed Temp. °C 1.3. Corrected Temp. °C 0.7.	Sample Condition Cool Intact  1) Yes 7 Yes  No No	CHECKED BY: (Initials)	Turnaround Time:  APQ: 18-34 Thermometer ID #443 Correction Factor _0.5°	Standard M Rush	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C

## CARDINAL Laboratories 101 East Marland, Hobbs, NM 88240

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Bacteria (only) Sample Condition Cool Infact Observed Temp. °C Ver Pes	Bacteria (only Cool Intact		me: Standard Rush #113* # 1/40 F-0.5°C - 0.0°C	F.C. #	d Time	Turnaround Time:	) BY:	CHECKED BY: (Initials)	C	ondition tact Yes	Sample Condition Cool Intact GYes Yes No No	Sample C Cool Ir 4 Yes No	C	np. °C 2.	Observed Temp. °C Corrected Temp. °C Q.7	her:	mpler - UPS - Bus - Other:  FURMI-000 R 3.2 1010/1/2	mpler - UPS -
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				e	ne applicat	ir completion of the	n 30 days afte	ardinal within	eived by C	ng and rec	ade in writi	unless m	ed waived	er shall be deen s, including with	er cause whatsoev sequental damage	ice. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation by species or the property of the applicable	Cardinal be lial	no event shall
			X	X	X	1430	46/6/10	limited to #	rt, shall be	ntract or to	ased in co	whether b	aim arising	medy for any cla	client's exclusive re	Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the amount and but the contract or fort, shall be limited to the amount and but the contract or fort.	and Damages.	EASE NOTE: Liability lyses. All claims inclu
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<u>/\}'.</u>			801		Ø 90	SAMPLING	SA	PRESERV.	R	- R	MATRIX	R						
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Delivered By: (Circle One)
Sampler - UPS - Bus - Other:
FORM-000 R 3.2 1000721 45 PLEASE NOTE: Liability and D
- analyses. All claims including it
- sarvice. In no event shall Cardud
- efficies or successors arising o
- Relinquished By:
- Relinquished By: service. In no event shall Cardinal TOURS OF Sampler Name: Project Location: Project Name: Federal Project #: 0381417193 Phone #: 154 - 459 - 1338 City: Project Manager: Lab I.D. Address: Company Name: Ensolum, LLC 200 7 73 05 Midlano including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received 8 35 96 5895 45an 2603 5593 Sample I.D. 6655 1655 5590 55 89 5588 Eddy car 5 neogina Miswane marinteld st. (ovaty, NA OI Battery None Observed Temp. °C Corrected Temp. °C Ne Dail Date: 03:24 Time: Date: 0 0.5 Fax #: Project Owner: Depth State: TX (feet) 0 on 315 (mussame e @ Easo love. co 3 Received By: Received By: (G)RAB OR (C)OMP Zip: 7970/ # CONTAINERS ation, business interru Sample Condition
Cool Intact

Wes Yes
No No GROUNDWATER WASTEWATER × × X × SOIL MATRIX OIL ptions, loss of use, or loss of profits i SLUDGE OTHER Fax #: State: Phone #: City: Attn: Tyse/ Address: Company: 0 XY P.O. #: ACID/BASE PRESERV CHECKED BY: × 2 × × × × 75 × ICE / COOL (Initials) OTHER: BILL TO 4/17/24 9/12/24 DATE Pierce SAMPLING by client, its subsidiaries hermometer ID #1 Turnaround Time: All Results are emailed. Please provide Email address: REMARKS Suhi (hh) 1434 1435 1437 940 hhhi 1438 1436 1433 pletion of the applicable TIME 8 BTEX 8021 □ Yes 8015 Standard Rush X X O No Worde 4500 Add'I Phone #: ANALYSIS Bacteria (only) Sample Condition
Cool Intact Observed Temp.

Yes Yes
No Corrected Temp. REQUEST Observed Temp. °C an en

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

0.6.

Corrected Temp. °C



October 10, 2024

GEORGIANA MCSWANE

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: FEDERAL 01 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 10/04/24 14:31.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



## Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 10/04/2024 Reported: 10/10/2024

Project Name: FEDERAL 01 BATTERY

Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445

Sampling Date: 10/03/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

## Sample ID: SW 02 0-4' (H246062-01)

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	10/07/2024	ND	2.02	101	2.00	3.32	
Toluene*	<0.050	0.050	10/07/2024	ND	2.04	102	2.00	3.16	
Ethylbenzene*	<0.050	0.050	10/07/2024	ND	2.06	103	2.00	2.56	
Total Xylenes*	<0.150	0.150	10/07/2024	ND	6.13	102	6.00	2.49	
Total BTEX	<0.300	0.300	10/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/08/2024	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	10/07/2024	ND	189	94.5	200	0.336	
DRO >C10-C28*	<10.0	10.0	10/07/2024	ND	184	92.1	200	0.0505	
EXT DRO >C28-C36	<10.0	10.0	10/07/2024	ND					
Surrogate: 1-Chlorooctane	130	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118 9	% 49.1-14	8						

## Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



## Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 10/04/2024 Sampling Date: 10/03/2024

Reported: 10/10/2024 Sampling Type: Soil

Project Name: FEDERAL 01 BATTERY Sampling Condition: Cool & Intact
Project Number: 03B1417193 Sample Received By: Shalyn Rodriguez

Project Location: OXY 32.419379, -103.733445

## Sample ID: SW 01 0-4' (H246062-02)

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	10/07/2024	ND	2.02	101	2.00	3.32	
Toluene*	<0.050	0.050	10/07/2024	ND	2.04	102	2.00	3.16	
Ethylbenzene*	<0.050	0.050	10/07/2024	ND	2.06	103	2.00	2.56	
Total Xylenes*	<0.150	0.150	10/07/2024	ND	6.13	102	6.00	2.49	
Total BTEX	<0.300	0.300	10/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	10/08/2024	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	10/07/2024	ND	189	94.5	200	0.336	
DRO >C10-C28*	<10.0	10.0	10/07/2024	ND	184	92.1	200	0.0505	
EXT DRO >C28-C36	<10.0	10.0	10/07/2024	ND					
Surrogate: 1-Chlorooctane	124	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113	% 49.1-14	8						

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Celey D. Keine



## Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 10/04/2024 Reported:

10/10/2024

Project Name: FEDERAL 01 BATTERY Project Number: 03B1417193

Project Location: OXY 32.419379, -103.733445 Sampling Date: 10/04/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

## Sample ID: SW 04 0-2' (H246062-03)

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	10/07/2024	ND	2.02	101	2.00	3.32	
Toluene*	<0.050	0.050	10/07/2024	ND	2.04	102	2.00	3.16	
Ethylbenzene*	<0.050	0.050	10/07/2024	ND	2.06	103	2.00	2.56	
Total Xylenes*	<0.150	0.150	10/07/2024	ND	6.13	102	6.00	2.49	
Total BTEX	<0.300	0.300	10/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1180	16.0	10/08/2024	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	10/07/2024	ND	189	94.5	200	0.336	
DRO >C10-C28*	<10.0	10.0	10/07/2024	ND	184	92.1	200	0.0505	
EXT DRO >C28-C36	<10.0	10.0	10/07/2024	ND					
Surrogate: 1-Chlorooctane	116 9	6 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103 9	6 49.1-14	8						

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10/04/2024

## Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705

Fax To:

Received: 10/04/2024 Sampling Date:

Reported: 10/10/2024 Sampling Type: Soil

Project Name: FEDERAL 01 BATTERY Sampling Condition: Cool & Intact
Project Number: 03B1417193 Sample Received By: Shalyn Rodriguez

Project Location: OXY 32.419379, -103.733445

## Sample ID: SS 35 2' (H246062-04)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1220	16.0	10/07/2024	ND	416	104	400	7.41	

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## Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 10/04/2024 Sampling Date: 10/04/2024

Reported: 10/10/2024 Sampling Type: Soil

Project Name: FEDERAL 01 BATTERY Sampling Condition: Cool & Intact Sample Received By: Project Number: 03B1417193 Shalyn Rodriguez

Project Location: OXY 32.419379, -103.733445

## Sample ID: SW 03 0-2' (H246062-05)

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	10/07/2024	ND	2.02	101	2.00	3.32	
Toluene*	<0.050	0.050	10/07/2024	ND	2.04	102	2.00	3.16	
Ethylbenzene*	<0.050	0.050	10/07/2024	ND	2.06	103	2.00	2.56	
Total Xylenes*	<0.150	0.150	10/07/2024	ND	6.13	102	6.00	2.49	
Total BTEX	<0.300	0.300	10/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 %	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1380	16.0	10/07/2024	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	10/07/2024	ND	188	94.2	200	0.472	
DRO >C10-C28*	<10.0	10.0	10/07/2024	ND	160	80.2	200	15.4	
EXT DRO >C28-C36	<10.0	10.0	10/07/2024	ND					
Surrogate: 1-Chlorooctane	106 %	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104 9	% 49.1-14	8						

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Celey D. Keine



10/04/2024

## Analytical Results For:

ENSOLUM, LLC GEORGIANA MCSWANE 705 W WADLEY AVE. MIDLAND TX, 79705

Fax To:

Received: 10/04/2024 Sampling Date:

Reported: 10/10/2024 Sampling Type: Soil

Project Name: FEDERAL 01 BATTERY Sampling Condition: Cool & Intact
Project Number: 03B1417193 Sample Received By: Shalyn Rodriguez

Project Location: OXY 32.419379, -103.733445

## Sample ID: SS 27 2' (H246062-06)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	10/07/2024	ND	416	104	400	7.41	

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Celey D. Keene



## **Notes and Definitions**

QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD

were within acceptance limits showing that the laboratory is in control and the data is acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

\*\* Samples not received at proper temperature of 6°C or below.

\*\*\* Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

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Celeg D. Freene

## Laboratories 101 East Marland, Hobbs, NM 88240

71 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 nsolum, LLC

Company Name: Ensolum, LLC		BILLTO	
Project Manager: Beaux Junninge	nge Georgiana McSumo	P.O. #:	ANALTSIS REQUEST
Address: 601 N Marienfeld Street, Suite 400	et, Suite 400	Company: Oxy USA Inc	
City: Midland	State: TX Zip: 79701	Attn-Warte Dittrich Piofice	B
Phone #: 218-219-8858	Fax #:	Address:	21,
Project #: 03B [4]7193	Project Owner:	City:	0)
Project Name:  -odor a	OI Saffery	State: Zip:	8
Project Location: 32, 419	19379, - 103.752445	#: 576	
Sampler Name:  \aoria	50	Fax #:	5 1
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING	
	S ER		
Lab I.D. Sample I.D.	(feet)  AB OR (C)  NTAINERS  UNDWATE  TEWATER	ER: /BASE: COOL	PH
MANAMA	# C	OTH	C
7 SWO	X 21 X	X 10-7-24 1159	XXX
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76 74 4	7° C - X	124-0	× 3
	X 1 > 2-0	~ · ·	× × × .
7.7.60	2 C1 X	506 12-01 ×	×
LEASE NOTE: Liability and Damages. Cardinal's liabil	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or both shall be liabled to the	or ford shall be limited to the	
ervice. In no event shall Cardinal be liable for inclonation or consequental damages, including with filliates or successors arising out of or related to the performance of services hereunder by Cardinal filliates or successors arising out of or related to the performance of services hereunder by Cardinal filliance.	service. In no event shall Cardinal be liable for incidental or consequential damages, including whole limited unless made in writing and received by Cardinal within 30 days after completion of the applicable behavior. In order stand Cardinal be liable for incidental or consequential damages, including without limitation, busitess interruptions, loss of use, or loss of profits incurred by client, its substituties and the standard consequential damages. Profits incurred by client, its substituties and the standard consequential damages and uncertainty or the above and the above above and the above and the above and the above and the above above above and the above and the above above above and the above above above above and the above above above and the above above above above and the above above above above above and the above above above abov	niess made in writing and received by Cardinal within 30 days after completion of the , business interruptions, loss of use, or loss of profits incurred by client, its subsidiari ss of whether such claim is based upon any of the above stated recognition.	rre applicable
Kapri Shiman	Time: Received	The second name of	☐ Yes ☐ No Add'I Phone #: emailed. Please provide Email address
Relinquished By:		REMARKS:	s:
Delivered By: (Circle One)	Sample	CHECKED BY:	9.
Sampler - UPS - Bus - Other:	Corrected Temp. CS. 0: Tyes-Tyes No No No No	(Initials)	Rush Cool Infact
	2	Plane	



September 19, 2024

**BEAUX JENNINGS** 

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: LEA LAND CALICHE PIT

Enclosed are the results of analyses for samples received by the laboratory on 09/16/24 14:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



## Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/16/2024 Reported: 09/19/2024

Project Name: LEA LAND CALICHE PIT Project Number: 03B1417160

Project Location: OXY

Sampling Date: 09/13/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

## Sample ID: LEA LAND CALICHE PIT 0.5' (H245619-01)

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	09/17/2024	ND	2.04	102	2.00	2.40	
Toluene*	<0.050	0.050	09/17/2024	ND	1.91	95.7	2.00	2.59	
Ethylbenzene*	<0.050	0.050	09/17/2024	ND	1.93	96.4	2.00	2.47	
Total Xylenes*	<0.150	0.150	09/17/2024	ND	5.72	95.4	6.00	2.68	
Total BTEX	<0.300	0.300	09/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.3	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	09/17/2024	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	09/17/2024	ND	204	102	200	0.238	
DRO >C10-C28*	98.6	10.0	09/17/2024	ND	202	101	200	5.70	
EXT DRO >C28-C36	<10.0	10.0	09/17/2024	ND					
Surrogate: 1-Chlorooctane	70.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.3	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey & Keene



## **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

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Celey D. Keene

Delivered By: (Circle One) Sampler - UPS - Bus - Other

Observed Temp. °C Corrected Temp. °C

Sample Condi

Cool Intact

×

-0.60 Te

No No

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

## **CARDINAL** Laboratories

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 Company Name: Ensolum, LLC City: Midland Sampler Name: Kaoru Shimada Project #: 0381417160 Phone #: (210)219-8858 Address: 601 N. Marienfeld St. STE 400 Relinquished By: Project Location: roject Manager: Beaux Jennings Relinquished By: Lab I.D. Project Name: Kapry 637 Sample I.D. himada Land State: TX aliche P. Project Owner: Zip: Caliche Dage 16.24 Time:/400 Sample Depth (feet) 79701 Email:bjennings@ensolum.com (G)RAB OR (C)OMP Received By: # CONTAINERS GROUNDWATER WASTEWATER MATRIX SOIL OIL SLUDGE State: P.O. #: OTHER Email: Phone #: City: Attn: Wade Dittrich Address: Company: OXY USA CHECKED BY: (Initials) ACID/BASE BILL TO OTHER Zip: DATE SAMPLING bennings@ensolum.com, klowery@ensolum.com Verbal Result: ☐ Yes ☒ No Add'i Phone # All Results are emailed. Please provide Email address: REMARKS: Paykey/AFE/NonAFE: 1041 BTEX 8021B X **TPH 8015M** Chloride 4500 ANALYSIS REQUEST Hold

Page 4 of 4

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Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Action 416011

## **QUESTIONS**

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	416011
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

## QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2211060378
Incident Name	NAPP2211060378 FEDERAL 1-1 BATTERY @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2127059734] FEDERAL 01 BATTERY

Location of Release Source		
Please answer all the questions in this group.		
Site Name	FEDERAL 1-1 BATTERY	
Date Release Discovered 04/18/2022		
Surface Owner	Federal	

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

Nature and Volume of Release					
Material(s) released, please answer all that apply below. Any calculations or specific justifications fo	or the volumes provided should be attached to the follow-up C-141 submission.				
Crude Oil Released (bbls) Details	Not answered.				
Produced Water Released (bbls) Details	Cause: Equipment Failure   Production Tank   Produced Water   Released: 35 BBL   Recovered: 30 BBL   Lost: 5 BBL.				
Is the concentration of chloride in the produced water >10,000 mg/l	Yes				
Condensate Released (bbls) Details	Not answered.				
Natural Gas Vented (Mcf) Details	Not answered.				
Natural Gas Flared (Mcf) Details	Not answered.				
Other Released Details	Not answered.				
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.				

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## 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 416011

QUESTI	ONS (continued)
Operator:	OGRID:
OXY USA INC P.O. Box 4294	16696 Action Number:
Houston, TX 772104294	416011
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)
DUESTIONS	
lature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e.	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	I .
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 led 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 releathe 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 require 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: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 12/31/2024

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Phone: (505) 629-6116

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

QUESTIONS, Page 3

Action 416011

**QUESTIONS** (continued)

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	416011
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

## QUESTIONS

Site Characterization		
Please answer all the questions in this group (only required when seeking remediation plan approva release discovery date.	l and beyond). This information must be provided to the appropriate district office no later than 90 days after the	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 75 and 100 (ft.)	
What method was used to determine the depth to ground water	Attached Document	
Did this release impact groundwater or surface water	No	
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:		
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)	
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)	
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)	
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)	
Any other fresh water well or spring	Between 1 and 5 (mi.)	
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)	
A wetland	Between 1 and 5 (mi.)	
A subsurface mine	Greater than 5 (mi.)	
An (non-karst) unstable area	Between 1 and 5 (mi.)	
Categorize the risk of this well / site being in a karst geology	Low	
A 100-year floodplain	Greater than 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 de	monstrating 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	al extents of contamination been fully delineated	Yes
Was this release entirely of	ontained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		igrams per kilograms.)
Chloride	(EPA 300.0 or SM4500 CI B)	12500
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	1149
GRO+DRO	(EPA SW-846 Method 8015M)	669
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.		
On what estimated date wi	Il the remediation commence	07/01/2024
On what date will (or did) the	ne final sampling or liner inspection occur	10/04/2024
On what date will (or was)	the remediation complete(d)	10/04/2024
What is the estimated surfa	ace area (in square feet) that will be reclaimed	600
What is the estimated volu	me (in cubic yards) that will be reclaimed	60
What is the estimated surfa	ace area (in square feet) that will be remediated	600
What is the estimated volume (in cubic yards) that will be remediated 60		60
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.		

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to

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

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## 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 416011

**QUESTIONS** (continued)

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	416011
	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	LEA LAND LANDFILL [fEEM0112342028]	
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: Wade Dittrich
Title: Environmental Coordinator
Email: wade\_dittrich@oxy.com
Date: 12/31/2024

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

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

QUESTIONS, Page 5

Action 416011

**QUESTIONS** (continued)

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	416011
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

## QUESTIONS

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

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## 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 416011

**QUESTIONS** (continued)

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	416011
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

## QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	391128
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/11/2024
What was the (estimated) number of samples that were to be gathered	10
What was the sampling surface area in square feet	37500

Remediation Closure Request		
Only answer the questions in this group if seeking remediation closure for this release because all re	Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes	
What was the total surface area (in square feet) remediated	600	
What was the total volume (cubic yards) remediated	60	
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	600	
What was the total volume (in cubic yards) reclaimed	60	
Summarize any additional remediation activities not included by answers (above)	NA	

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: Wade Dittrich
Title: Environmental Coordinator
Email: wade\_dittrich@oxy.com
Date: 12/31/2024

Sante Fe Main Office Phone: (505) 476-3441

General Information Phone: (505) 629-6116

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

QUESTIONS, Page 7

Action 416011

QUESTIONS (continued)

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	416011
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

## QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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

CONDITIONS

Action 416011

## **CONDITIONS**

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	416011
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

## CONDITIONS

Created By	Condition	Condition Date
crystal.walker	Operator failed to provide proper Sampling Notification pursuant to 19.15.29.12.D.(1).(a) NMAC. Failure to provide proper sampling notice is a compliance issue and the OCD may pursue compliance actions pursuant to 19.15.5 NMAC. Operator shall ensure future compliance with 19.15.29.12.D.(1).(a) NMAC.	1/3/2025
crystal.walker	A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	1/3/2025
crystal.walker	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. The OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	1/3/2025