



June 23, 2025

**New Mexico Oil Conservation Division**

1220 South St. Francis Drive  
Santa Fe, New Mexico 87505

**Re: Remediation Work Plan  
New Wave FNR Frac Pond  
Incident Number nAPP2502160252  
Eddy County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of New Wave Energy (New Wave) and Mewbourne Oil Company (Mewbourne), has prepared the following *Remediation Work Plan (Work Plan)* to document assessment, delineation, soil sampling, and excavation activities completed to date and propose additional excavation to address impacted soil identified at the New Wave FNR Frac Pond (Site). The purpose of the remediation activities was to address impacted soil resulting from a release of produced water at the Site. The following *Work Plan* proposes additional excavation in conjunction with a separate Incident Number (NAPP2323237413) with an approved *Remediation Work Plan*.

## **SITE DESCRIPTION AND RELEASE SUMMARY**

The Site is located in Unit C, Section 19, Township 23 South, Range 30 East, in Eddy County, New Mexico (32.294861°, -103.924917°) and is associated with oil and gas exploration and production operations on private land owned by Forrest and Vickie (JT) Connally.

On January 7, 2025, human error resulted in the release of 23 barrels (bbls) of produced water from a line at the top of the berm of the frac pond, which flowed downhill adjacent to a steel lined containment and then west across the facility entrance and lease road. No fluids were recovered. Mewbourne reported the release to the New Mexico Oil Conservation Division (NMOCD) via Notification of Release (NOR) and Initial C-141 Application (C-141) on January 21, 2025. The release was assigned Incident Number NAPP2502160252.

The release overlapped Incident Number NAPP2323237413 on the southern portion of the release. The NMOCD approved a *Remediation Work Plan (NAPP2323237413 Work Plan)* that was submitted on July 31, 2024, and approved on March 12, 2025. The NAPP2323237413 *Work Plan* proposed excavation of impacted soil and soil washing. On August 19, 2023, equipment failure resulted in the release of 80 barrels (bbls) of produced water onto the pad and pasture; 20 bbls of fluids were recovered. Solaris Water Midstream, LLC (Solaris) reported the release to the NMOCD via email and Initial C-141 on August 20, 2023. The release was assigned Incident Number NAPP2323237413. The release extent for NAPP2323237413 as well as NAPP2502160252 is depicted on Figure 2.

## **SITE CHARACTERIZATION AND CLOSURE CRITERIA**

The Site was characterized to assess the applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC).



New Wave Energy  
Remediation Work Plan  
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Results from the characterization desktop review are presented below and potential Site receptors are identified on Figure 1.

Depth to groundwater at the Site is greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. On January 26, 1996, a New Mexico Office of the State Engineer (NMOSE) permitted well (C-2486) was advanced to a depth of 350 feet below ground surface (bgs) approximately 0.54 miles south of the Site. The well was recorded as a dry hole. The Well Record & Log is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a seasonal dry wash located approximately 35 feet south 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 underlain by unstable geology (high potential karst designation area).

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

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH): 100 mg/kg
- Chloride: 600 mg/kg

## SITE ASSESSMENT AND DELINEATION ACTIVITIES

On February 23, 2025, Ensolum personnel conducted Site assessment and delineation activities to evaluate the release extent based on information provided on the C-141 and visual observations. Six delineation potholes (PH01 through PH06) were advanced within the release extent, via heavy equipment, to depths ranging from 2 feet to 5 feet bgs to assess the vertical extent of the release. Discrete delineation soil samples were collected from each pothole at depths ranging from 2 feet to 5 feet bgs. On March 12, 2025, an additional delineation soil sample (SS10) was collected at 0.5 feet bgs to further define the lateral extent of the release. Soil from the potholes and delineation soil sample were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. Photographic documentation was completed during the Site visit and a photographic log is included in Appendix B. Field screening results and observations were logged on lithological/soil sampling logs, which are included in Appendix C. The release extent and delineation soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2.

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



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Laboratory analytical results for delineation soil samples PH01 through PH06 indicated chloride concentrations exceeded the Closure Criteria at depths ranging from 0.5 feet to 5-feet bgs. The terminal depth sample from each delineation pothole, with the exception of PH04 collected at 5 feet bgs, indicated concentrations of all COCs were compliant with the Closure Criteria and successfully defined the vertical extent of impacted soil.

## EXCAVATION ACTIVITIES

Between March 7 and March 27, 2025, Ensolum personnel returned to the Site to excavate impacted soil based on delineation soil sample laboratory analytical results. Excavation activities were performed utilizing heavy equipment to the maximum extent practicable (MEP) due to the proximity to active production equipment and surface pipelines. To direct excavation activities, soil was field screened for VOCs and chloride. Once field screening indicated impacted soil was adequately removed, 5-point composite soil samples were collected every 200 square feet from the floor and sidewall of the excavation extent. 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. Confirmation soil samples FS01 through FS33 were collected from the floor of the excavation from depths ranging from 2 feet to 10 feet bgs. Confirmation soil samples SW01 through SW20 were collected from the sidewall of the excavation at depths ranging from the ground surface to 10 feet bgs. All confirmation soil sample locations are depicted on Figure 3.

Laboratory analytical results for confirmation soil samples FS01 through FS16, FS18A, and FS24A through FS32, collected from the floor of the excavation, indicated concentrations of all COCs were compliant with the Closure Criteria and successfully defined the vertical extent of the release. Laboratory analytical results for delineation soil sample SS10, and confirmation soil samples SW01 through SW12, collected outside of the release extent and from the sidewalls of the excavation, indicated concentrations of all COCs were compliant with the Closure Criteria and successfully defined the lateral extent of the release. Laboratory analytical results for confirmation soil samples FS19 through FS23 and FS33, collected from the floor of the excavation, indicated chloride concentration exceeded Closure Criteria. Additionally, laboratory analytical results from confirmation soil samples SW13 through SW20, collected from the sidewalls of the excavation, indicated chloride concentrations exceeded Closure Criteria. Laboratory Analytical Reports & Chain-of-Custody Documentation are presented in Appendix D.

The final excavation extent measured approximately 8,883 square feet. A total of approximately 1,100 cubic yards of impacted soil was removed during excavation activities and was properly disposed of at the R360 Halfway Disposal Facility in Hobbs, New Mexico. A copy of the disposal manifests are included in Appendix E.

Beyond confirmation soil sample FS12, an older release identified by Incident Number NAPP2323237413 overlaps the release extent of Incident Number nAPP2502160252. As such, New Wave and Mewbourne agreed to work with Solaris in order to excavate the impacted soil overlapping both releases.

## PROPOSED REMEDIATION WORK PLAN

The delineation soil sampling results indicate soil containing elevated chloride concentrations exists across an approximate 2,243 square foot area and extends to a maximum depth of 10 feet bgs. Mewbourne proposes to complete the following remediation activities in order to work with Solaris to excavate the overlapping releases:



New Wave Energy  
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- Excavation of chloride impacted soil to a depth of 10 feet bgs. Excavation will proceed laterally until sidewall samples confirm chloride concentrations are compliant with the Closure Criteria.
- An estimated 831 cubic yards of chloride impacted soil will be excavated. The excavated soil will be transferred a New Mexico approved landfill facility for disposal.
- The excavation will be backfilled and recontoured to match pre-existing conditions.

Solaris is proceeding with the approved NAPP2323237413 *Work Plan*. Mewbourne and New Wave will submit sample notifications in order to complete confirmation soil sampling in concordance with Solaris until confirmation soil samples are in compliance with the Closure Criteria. A *Closure Report* or *Deferral Request* will be submitted within 30 days of receipt of final laboratory analytical reports.

If you have any questions or comments, please contact Ms. Tacoma Morrissey at (337) 257-8307 or [tmorrissey@ensolum.com](mailto:tmorrissey@ensolum.com).

Sincerely,  
**Ensolum, LLC**



Jeremy Reich  
Project Geologist



Tacoma Morrissey  
Associate Principal

cc: Connor Walker, Mewbourne  
Brock Molander, New Wave  
Forrest and Vickie (JT) Connally, Private Landowners

Appendices:

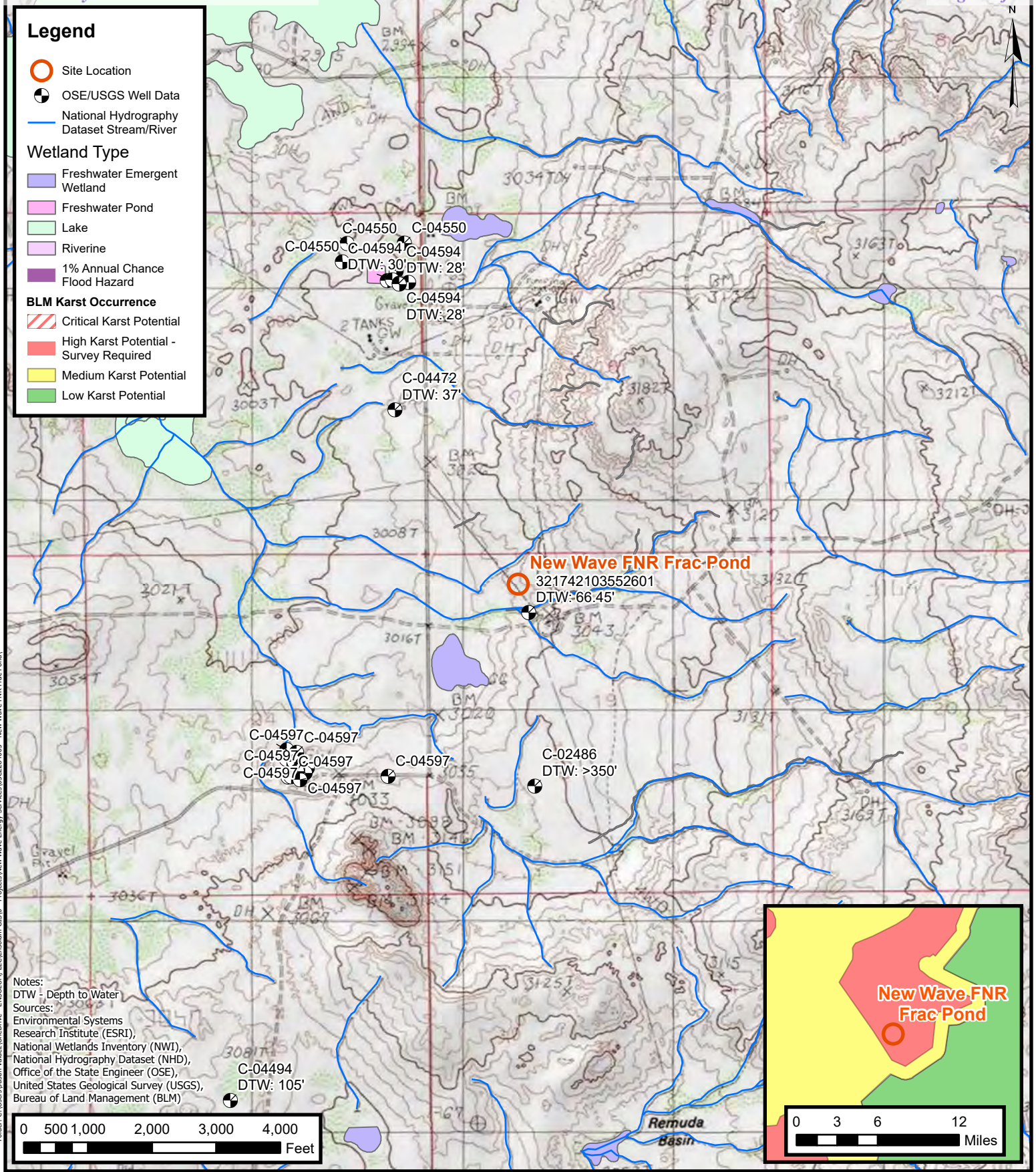
Figure 1	Site Receptor Map
Figure 2	Delineation Soil Sample Locations
Figure 3	Confirmation Soil Sample Locations
Table 1	Soil Sample Analytical Results
Appendix A	Referenced Well Records
Appendix B	Photographic Log
Appendix C	Lithologic / Soil Sampling Logs
Appendix D	Laboratory Analytical Reports &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





FIGURES





## Site Receptor Map

New Wave Energy Services  
New Wave FNR Frac Pond  
Incident Number: NAPP2502160252  
Unit C, Section 19, T 23S, R 30E  
Eddy County, New Mexico

FIGURE

1



## Legend

- Delineation Soil Sample in Compliance with Closure Criteria
- Delineation Soil Sample with Concentrations Exceeding Closure Criteria
- ▲ Point of Release (POR)
- Electric Utility Line
- Oil and Gas Utility Line
- Water Utility Line
- Release Extent
- Release Extent - NAPP23237413

### Notes:

Sample ID @ Depth Below Ground Surface.  
 Samples in bold indicate sample exceeded applicable Closure Criteria.  
 Grey text indicate soil sample was removed during excavation activities.

0 25 50 100 150 200  
 Feet

Sources: Environmental Systems Research Institute (ESRI)

## Delineation Soil Sample Locations

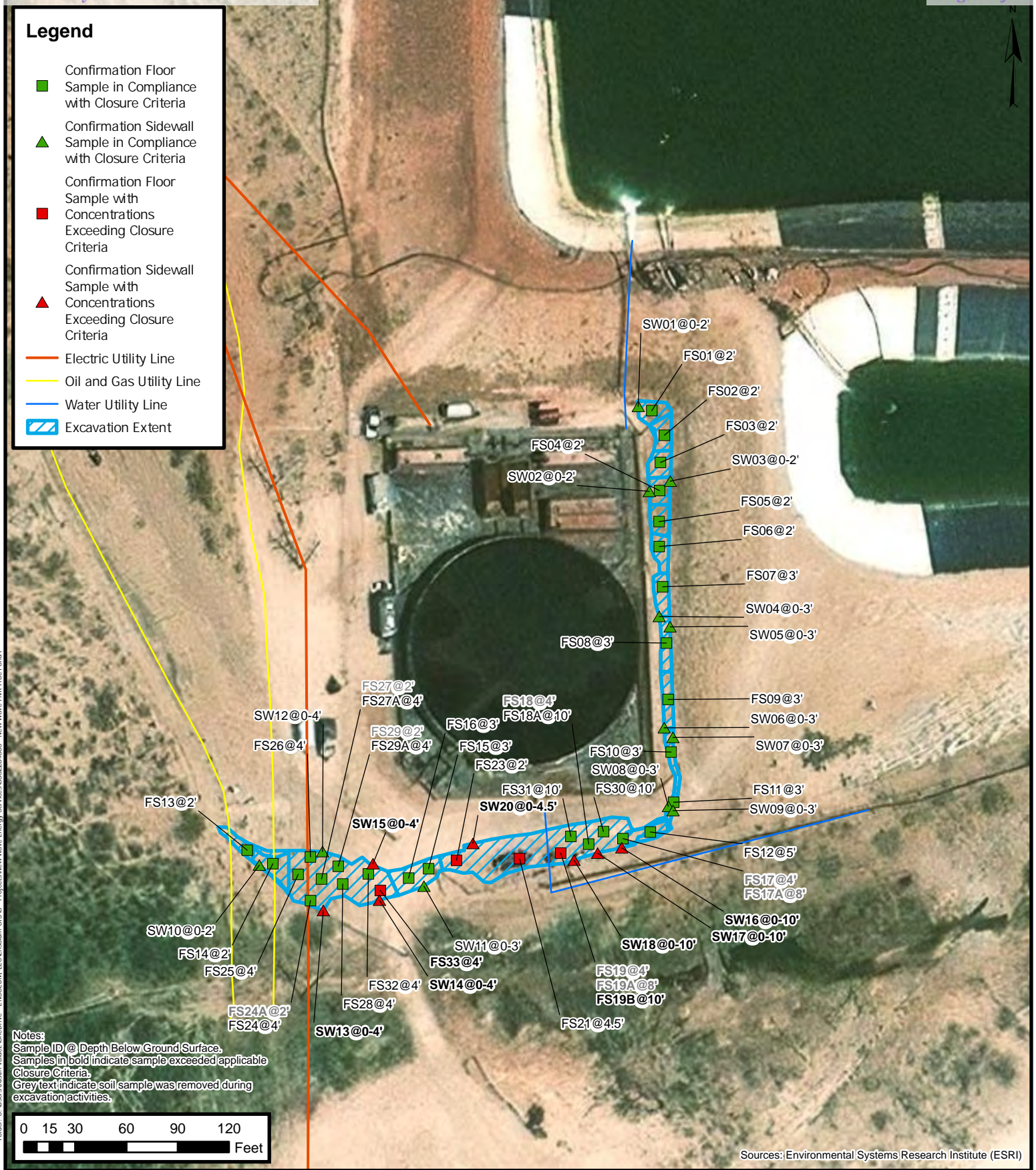
New Wave Energy Services  
 New Wave FNR Frac Pond  
 Incident Number: NAPP2502160252  
 Unit C, Section 19, T 23S, R 30E  
 Eddy County, New Mexico

FIGURE

2







## Confirmation Soil Sample Location

New Wave Energy Services  
New Wave FNR Frac Pond  
Incident Number: NAPP2502160252  
Unit C, Section 19, T 23S, R 30E  
Eddy County, New Mexico

FIGURE

3





TABLES





**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 New Wave FNR Frac Pond  
 New Wave Energy  
 Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Delineation Soil Samples										
PH-01	02/03/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	592
PH-02	02/03/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
PH-03	02/03/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
PH-03A	02/03/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
PH-04	02/03/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	800
PH-05	02/03/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
PH-06	02/03/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	576
SS10	03/12/2025	0.5	<0.00200	<0.00399	<49.7	<49.7	<49.7	<49.7	<49.7	367
Confirmation Soil Samples										
FS01	03/07/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS02	03/07/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS03	03/07/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS04	03/07/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS05	03/07/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS06	03/07/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS07	03/07/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS08	03/07/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS09	03/07/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS10	03/07/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS11	03/07/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS12	03/07/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
FS13	03/07/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
FS14	03/07/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
FS15	03/07/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS16	03/07/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS17	03/12/2025	4	<0.00202	<0.00404	<49.6	<49.6	<49.6	<49.6	<49.6	1,490
FS17A	03/26/2025	8	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	850
FS18	03/12/2025	4	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	1,500
FS18A	03/26/2025	10	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	574





**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 New Wave FNR Frac Pond  
 New Wave Energy  
 Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
FS19	03/12/2025	4	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	1,390
FS19A	03/26/2025	8	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	<50.0	775
FS19B	03/28/2025	10	<0.00200	<0.00399	<49.6	<49.6	<49.6	<49.6	<49.6	1,260
FS21	03/26/2025	4.5	<0.00198	<0.00397	<50.5	<50.5	<50.5	<50.5	<50.5	749
FS23	03/24/2025	2	<0.00198	<0.00397	<49.8	<49.8	<49.8	<49.8	<49.8	787
FS24	03/24/2025	2	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	<49.7	879
FS24A	03/26/2025	4	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	<49.7	285
FS25	03/26/2025	4	<0.00200	<0.00399	<50.3	<50.3	<50.3	<50.3	<50.3	244
FS26	03/26/2025	4	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	<49.9	435
FS27	03/24/2025	2	<0.00198	<0.00397	<49.8	<49.8	<49.8	<49.8	<49.8	550
FS27A	03/26/2025	4	<0.00200	<0.00400	<55.2	<55.2	<55.2	<55.2	<55.2	462
FS28	03/26/2025	4	<0.00200	<0.00399	<49.7	<49.7	<49.7	<49.7	<49.7	339
FS29	03/24/2025	2	<0.00202	<0.00403	<49.8	<49.8	<49.8	<49.8	<49.8	517
FS29A	03/26/2025	4	<0.00200	<0.00401	<49.6	<49.6	<49.6	<49.6	<49.6	313
FS30	03/26/2025	10	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	548
FS31	03/26/2025	10	<0.00201	<0.00402	<50.1	<50.1	<50.1	<50.1	<50.1	591
FS32	03/27/2025	4	<0.00140	<0.00230	<14.4	<15.0	<15.0	<15.0	<15.0	559
FS33	03/27/2025	4	<0.00139	<0.00228	<14.6	<15.2	<15.2	<15.2	<15.2	843
SW01	03/07/2025	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
SW02	03/07/2025	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SW03	03/07/2025	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW04	03/07/2025	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SW05	03/07/2025	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
SW06	03/07/2025	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SW07	03/07/2025	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
SW08	03/07/2025	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
SW09	03/07/2025	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
SW10	03/07/2025	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
SW11	03/07/2025	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
SW12	03/26/2025	0-4	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	555
SW13	03/26/2025	0-4	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	1,320





**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 New Wave FNR Frac Pond  
 New Wave Energy  
 Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
SW14	03/27/2025	0-4	<0.00138	<0.00226	<14.7	<15.3	<15.3	<15.3	<15.3	<b>683</b>
SW15	03/27/2025	0-4	<0.00139	<0.00228	<14.4	<15.0	<15.0	<15.0	<15.0	<b>1,040</b>
SW16	03/27/2025	0-10	0.00144	0.00262	<14.5	<15.1	<15.1	<15.1	<15.1	<b>1,520</b>
SW17	03/27/2025	0-10	0.00151	0.00291	<14.5	<15.1	<15.1	<15.1	<15.1	<b>1,260</b>
SW18	03/27/2025	0-10	<0.00140	<0.00229	<14.6	<15.2	<15.2	<15.2	<15.2	<b>1,170</b>
SW20	03/26/2025	0-4.5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	<b>815</b>

## Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NMAC: New Mexico Administrative Code

Grey text indicates soil sample removed during excavation activities





## APPENDIX A

### Referenced Well Records

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Revised June 1972

STATE ENGINEER OFFICE  
WELL RECORD

Section 1. GENERAL INFORMATION

(A) Owner of well Texaco Exploration & Production Owner's Well No. C2486  
Street or Post Office Address P.O. Box 764  
City and State Hobbs, NM 88240

Well was drilled under Permit No. \_\_\_\_\_ and is located in the:  
a. SW  $\frac{1}{4}$   $\frac{1}{4}$   $\frac{1}{4}$  of Section 19 Township 23S Range 30E N.M.P.M. Eddy Co.  
b. Tract No. \_\_\_\_\_ of Map No. \_\_\_\_\_ of the \_\_\_\_\_  
c. Lot No. \_\_\_\_\_ of Block No. \_\_\_\_\_ of the \_\_\_\_\_  
Subdivision, recorded in \_\_\_\_\_ County.  
d. X= \_\_\_\_\_ feet, Y= \_\_\_\_\_ feet, N.M. Coordinate System \_\_\_\_\_ Zone in  
the \_\_\_\_\_ Grant.

(B) Drilling Contractor West Texas Water Well Service License No. WD1184  
Address 3432 W. University, Odessa, TX 79764  
Drilling Began 01-26-96 Completed 01-29-96 Type tools air/rotary Size of hole 8-3/4 in.  
Elevation of land surface or \_\_\_\_\_ at well is \_\_\_\_\_ ft. Total depth of well 350 ft.  
Completed well is ☐ shallow ☐ artesian. Depth to water upon completion of well \_\_\_\_\_ ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
From	To			
			No water encountered formation log on back	

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet		Length (feet)	Type of Shoe	Perforations	
			Top	Bottom			From	To

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet		Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement
From	To				

Section 5. PLUGGING RECORD

Plugging Contractor West Texas Water Well Service  
Address 3432 W. University, Odessa, TX 79764  
Plugging Method pumped cement slurry  
Date Well Plugged 01-29-96  
Plugging approved by: \_\_\_\_\_

State Engineer Representative

No.	Depth in Feet		Cubic Feet of Cement
	Top	Bottom	
1	0	350	133
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY -

Date Received 03-13-96 Quad \_\_\_\_\_ FWL \_\_\_\_\_ FSL \_\_\_\_\_  
File No. C-2486 Use OWD Location No. 23S.30E.19.311  
"Dry Hole"









## APPENDIX B

### Photographic Log

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**Photographic Log**  
 New Wave Energy  
 New Wave FNR Frac Pond  
 Eddy County, New Mexico



Photograph: 1 Date: 2/3/2025  
 Description: Delineation activities - PH01  
 View: Northwest



Photograph: 2 Date: 2/3/2025  
 Description: Delineation activities - PH04  
 View: South



Photograph: 3 Date: 2/3/2025  
 Description: Delineation activities near PH06  
 View: Northwest



Photograph: 4 Date: 3/3/2025  
 Description: Excavation activities near PH02  
 View: Northeast





**Photographic Log**  
New Wave Energy  
New Wave FNR Frac Pond  
Eddy County, New Mexico

126°SE (T) LAT: 32.295591 LON: -103.925524 ±13ft ▲ 3034ft



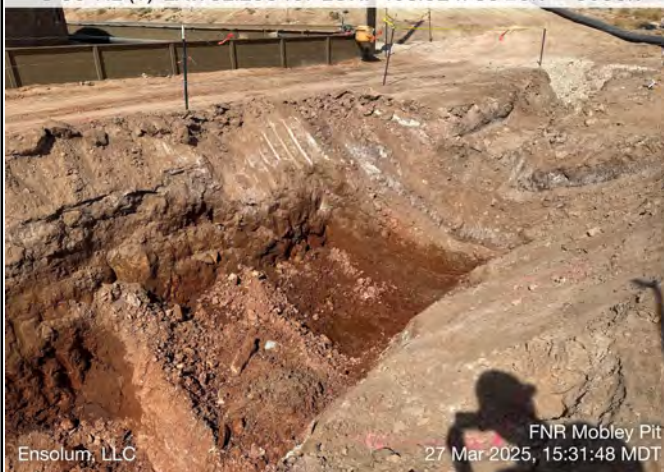
Photograph: 5 Date: 3/12/2025  
Description: Excavation activities near: SW10, SW12, SW13, FS13, FS14, FS25  
View: Northwest

140°SE (T) LAT: 32.295495 LON: -103.925379 ±13ft ▲ 3033ft



Photograph: 6 Date: 3/27/2025  
Description: Excavation activities near: FS29, FS28, FS32, FS33, FS16, SW13, SW14, SW11  
View: Southwest

39°NE (T) LAT: 32.295467 LON: -103.924785 ±6ft ▲ 3036ft



Photograph: 7 Date: 3/27/2025  
Description: Excavation activities near: FS18, FS30, FS17, SW18, SW17  
View: Northwest

101°E (T) LAT: 32.295499 LON: -103.924999 ±9ft ▲ 3041ft



Photograph: 8 Date: 3/27/25  
Description: Excavation activities near: FS20, FS19, SW18, SW17  
View: East






## APPENDIX C


### Lithologic Soil Sampling Logs

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								Sample Name: PH01		Date: 02/03/2025	
								Site Name: New Wave FNR Frac Pond			
								Incident Number: nAPP2502160252			
								Job Number: 03C2284005			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Logged By: Jesse Dorman		Method: backhoe	
Coordinates: 32.296366, -103.924552								Hole Diameter: 36"		Total Depth: 2'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factors included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
D	476	0.0	N			0		Reddish brown clay w/ silt/sand, very fine, no staining, no odor.			
						1	SC				
D	336	0.0	N	PH01A	2	2	SC	Reddish brown clay w/ silt/sand, very fine, no staining, no odor.			
								Total Depth 2' bgs			




 <b>ENSOLUM</b>								Sample Name: PH02		Date: 02/03/2025	
								Site Name: New Wave FNR Frac Pond			
								Incident Number: nAPP2502160252			
								Job Number: 03C2284005			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Logged By: Jesse Dorman		Method: backhoe	
Coordinates: 32.296162, -103.924670								Hole Diameter: 36"		Total Depth: 2'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factors included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
						0					
D	380.8	0.0	N			1	SC	Brown clay/sand w/silt, very fine, no staining, no odor.			
D	425.6	0.0	N	PH02A	2	2	SC	Brown clay/sand w/silt, very fine, no staining, no odor.			
								Total Depth 2' bgs			




								Sample Name: PH03		Date: 02/03/2025	
								Site Name: New Wave FNR Frac Pond			
								Incident Number: nAPP2502160252			
								Job Number: 03C2284005			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Logged By: Jesse Dorman		Method: backhoe	
Coordinates: 32.295881, -103.924670								Hole Diameter: 36"		Total Depth: 3'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factors included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
						0					
D	476	0.0	N			1	SC	Brown clay/sand w/silt, very fine, no staining, no odor.			
D	649.6	0.0	N	PH03	2	2	SC	Brown clay/sand w/silt, very fine, no staining, no odor.			
D	649.6	0	N	PH03A	3	3	SC	Brown clay/sand w/silt, very fine, no staining, no odor.			
								Total Depth 3' bgs			




								Sample Name: PH04		Date: 02/03/2025	
								Site Name: New Wave FNR Frac Pond			
								Incident Number: nAPP2502160252			
								Job Number: 03C2284005			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Logged By: Jesse Dorman		Method: backhoe	
Coordinates: 32.2955117, -103.9246899								Hole Diameter: 36"		Total Depth: 5'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factors included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
						0					
D	1,601.6	0.0	N			1	SC	Brown clay/sand w/silt, very fine, no staining, no odor.			
D	1,480.6	0.0	N			2	SC	Brown clay/sand w/silt, very fine, no staining, no odor.			
D	1,103.2	0.0	N			3	SC	Brown clay/sand w/silt, very fine, no staining, no odor.			
D	1,019.2	0.0	N			4	SC	Brown clay/sand w/silt, very fine, no staining, no odor.			
D	588	0.0	N	PH04	5	5	SC	Brown clay/sand w/silt, very fine, no staining, no odor.			
								Total Depth 5' bgs			



								Sample Name: PH05		Date: 02/03/2025	
								Site Name: New Wave FNR Frac Pond			
								Incident Number: nAPP2502160252			
								Job Number: 03C2284005			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Logged By: Jesse Dorman		Method: backhoe	
Coordinates: 32.2954528, -103.9250341								Hole Diameter: 36"		Total Depth: 2'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factors included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
						0					
D	1,489.6	0.0	N	PH05		1	SC	Brown clay/sand w/silt, very fine, no staining, no odor.			
D	425.6	0.0	N	PH05A	2	2	SC	Brown clay/sand w/silt, very fine, no staining, no odor.			
Total Depth 2' bgs											



								Sample Name: PH06		Date: 02/03/2025			
								Site Name: FNR Mobley Pit					
								Site Name: New Wave FNR Frac Pond					
								Job Number: 03C2284005					
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Logged By: Jesse Dorman		Method: backhoe			
Coordinates: 32.2954339, -103.9253586								Hole Diameter: 36"		Total Depth: 4'			
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factors included.													
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions					
						0							
D	784.0	0.0	N	PH06		1	SC	Brown clay/sand w/silt, very fine, no staining, no odor.					
D	2,413.6	0.0	N	PH06A	2	2	SC	Brown clay/sand w/silt, very fine, no staining, no odor.					
D	163.2	0.0	N	PH06B	3	3	SC	Brown clay/sand w/silt, very fine, no staining, no odor.					
D	426.0	0.0	N	PH06C	4	4	SC	Brown clay/sand w/silt, very fine, no staining, no odor.					
								Total Depth 4' bgs					





## APPENDIX D

### Laboratory Analytical Reports & Chain of Custody Documentation

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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February 10, 2025

JEREMY REICH

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: FNR MOBLEY PIT

Enclosed are the results of analyses for samples received by the laboratory on 02/04/25 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 [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

ENSOLUM  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 02/04/2025  
Reported: 02/10/2025  
Project Name: FNR MOBLEY PIT  
Project Number: 03C2284005  
Project Location: XTO 32.296335, -103.924876

Sampling Date: 02/03/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: PH 01 2 (H250660-01)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/05/2025	ND	1.75	87.6	2.00	1.47		
Toluene*	<0.050	0.050	02/05/2025	ND	1.91	95.7	2.00	1.19		
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	1.92	96.1	2.00	0.870		
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.01	100	6.00	0.336		
Total BTEX	<0.300	0.300	02/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	592	16.0	02/05/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/05/2025	ND	196	97.8	200	1.69	
DRO >C10-C28*	<10.0	10.0	02/05/2025	ND	192	96.1	200	1.14	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.6 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

ENSOLUM  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 02/04/2025  
Reported: 02/10/2025  
Project Name: FNR MOBLEY PIT  
Project Number: 03C2284005  
Project Location: XTO 32.296335, -103.924876

Sampling Date: 02/03/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: PH 02 2 (H250660-02)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/05/2025	ND	1.75	87.6	2.00	1.47		
Toluene*	<0.050	0.050	02/05/2025	ND	1.91	95.7	2.00	1.19		
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	1.92	96.1	2.00	0.870		
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.01	100	6.00	0.336		
Total BTEx	<0.300	0.300	02/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	02/05/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/05/2025	ND	196	97.8	200	1.69	
DRO >C10-C28*	<10.0	10.0	02/05/2025	ND	192	96.1	200	1.14	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.1 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

ENSOLUM  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 02/04/2025  
Reported: 02/10/2025  
Project Name: FNR MOBLEY PIT  
Project Number: 03C2284005  
Project Location: XTO 32.296335, -103.924876

Sampling Date: 02/03/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: PH 03 2 (H250660-03)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/05/2025	ND	1.75	87.6	2.00	1.47		
Toluene*	<0.050	0.050	02/05/2025	ND	1.91	95.7	2.00	1.19		
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	1.92	96.1	2.00	0.870		
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.01	100	6.00	0.336		
Total BTEx	<0.300	0.300	02/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	02/05/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/05/2025	ND	196	97.8	200	1.69	
DRO >C10-C28*	<10.0	10.0	02/05/2025	ND	192	96.1	200	1.14	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

ENSOLUM  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 02/04/2025  
Reported: 02/10/2025  
Project Name: FNR MOBLEY PIT  
Project Number: 03C2284005  
Project Location: XTO 32.296335, -103.924876

Sampling Date: 02/03/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: PH 03A 3 (H250660-04)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/05/2025	ND	1.75	87.6	2.00	1.47		
Toluene*	<0.050	0.050	02/05/2025	ND	1.91	95.7	2.00	1.19		
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	1.92	96.1	2.00	0.870		
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.01	100	6.00	0.336		
Total BTEx	<0.300	0.300	02/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	02/05/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/05/2025	ND	196	97.8	200	1.69	
DRO >C10-C28*	<10.0	10.0	02/05/2025	ND	192	96.1	200	1.14	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.0 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

ENSOLUM  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 02/04/2025  
Reported: 02/10/2025  
Project Name: FNR MOBLEY PIT  
Project Number: 03C2284005  
Project Location: XTO 32.296335, -103.924876

Sampling Date: 02/03/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: PH 04 5 (H250660-05)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/05/2025	ND	1.75	87.6	2.00	1.47		
Toluene*	<0.050	0.050	02/05/2025	ND	1.91	95.7	2.00	1.19		
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	1.92	96.1	2.00	0.870		
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.01	100	6.00	0.336		
Total BTEX	<0.300	0.300	02/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	800	16.0	02/05/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/05/2025	ND	196	97.8	200	1.69	
DRO >C10-C28*	<10.0	10.0	02/05/2025	ND	192	96.1	200	1.14	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.7 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

ENSOLUM  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 02/04/2025  
Reported: 02/10/2025  
Project Name: FNR MOBLEY PIT  
Project Number: 03C2284005  
Project Location: XTO 32.296335, -103.924876

Sampling Date: 02/03/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: PH 05 2 (H250660-06)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/05/2025	ND	2.28	114	2.00	1.09		
Toluene*	<0.050	0.050	02/05/2025	ND	2.23	111	2.00	0.634		
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.44	122	2.00	0.882		
Total Xylenes*	<0.150	0.150	02/05/2025	ND	7.42	124	6.00	1.67		
Total BTEX	<0.300	0.300	02/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	02/05/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/05/2025	ND	196	97.8	200	1.69	
DRO >C10-C28*	<10.0	10.0	02/05/2025	ND	192	96.1	200	1.14	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					

Surrogate: 1-Chlorooctane 98.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 02/04/2025  
Reported: 02/10/2025  
Project Name: FNR MOBLEY PIT  
Project Number: 03C2284005  
Project Location: XTO 32.296335, -103.924876

Sampling Date: 02/03/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: PH 06 4 (H250660-07)**

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	02/05/2025	ND	2.28	114	2.00	1.09		
Toluene*	<0.050	0.050	02/05/2025	ND	2.23	111	2.00	0.634		
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.44	122	2.00	0.882		
Total Xylenes*	<0.150	0.150	02/05/2025	ND	7.42	124	6.00	1.67		
Total BTEX	<0.300	0.300	02/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	02/05/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/05/2025	ND	202	101	200	1.45	
DRO >C10-C28*	<10.0	10.0	02/05/2025	ND	203	102	200	4.33	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					

Surrogate: 1-Chlorooctane 74.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





---

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---

### Notes and Definitions

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

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager





CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Ensolum, LLC		P.O. #:		BILL TO		ANALYSIS REQUEST	
Project Manager: Jeremy Reich		Company: Ensolum LLC					
Address: 3122 National Parks Hwy		Attn: Jeremy Reich					
City: Carlsbad		Address: 3122 National Parks Hwy					
State: NM Zip: 88220		City: Carlsbad					
Phone #: 432-296-0627		State: NM Zip: 88220					
Fax #: 393-2326		Phone #:					
Project #: 03C2284005		Project Owner: XTO					
Project Name: FNR Mobley Pit		Fax #:					
Project Location: 32.296335, -103.924876		DATE					
Sample Name: Jesse Dorman		TIME					
FOR LAB USE ONLY		BTEX					
Lab I.D.		TPH					
Sample I.D.		CHLORIDE					
Sample Depth (feet)							
(G)RAB OR (C)OMP.							
# CONTAINERS							
GROUNDWATER							
WASTEWATER							
SOIL							
OIL							
SLUDGE							
OTHER :							
ACID/BASE:							
ICE / COOL							
OTHER :							
DATE							
TIME							
BTEX							
TPH							
CHLORIDE							

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Relinquished By: *[Signature]* Date: 8-4-25 Received By: *[Signature]* Date: 8-4-25  
Time: 1400 Received By: *[Signature]* Time: 1400  
Relinquished By: *[Signature]* Date: Received By: *[Signature]* Date:  
Time: Received By: *[Signature]* Time:

Delivered By: (Circle One) Observed Temp. °C -0.3 Sample Condition Cool Intact Yes No Checked By: (Initials) *[Signature]* Turnaround Time: Standard Rush Bacteria (only) Sample Condition Cool Intact Yes No Observed Temp. °C Corrected Temp. °C  
Sampler - UPS - Bus - Other: Corrected Temp. °C 0.0 Cool Intact Yes No No No No No Corrected Temp. °C

Thermometer ID #113440 Correction Factor -0.5°C +0.3°C

REMARKS: Incident ID: nAPP2502160252

Verbal Result: ☐ Yes ☒ No Add'l Phone #: JReich@ensolum.com  
All Results are emailed. Please provide Email address: BReill@ensolum.com T Morrissey@ensolum.com kthomason@ensolum.com





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

March 13, 2025

JEREMY REICH

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: FNR MOBLEY PIT

Enclosed are the results of analyses for samples received by the laboratory on 03/10/25 12:45.

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 [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

ENSOLUM  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 03/10/2025  
Reported: 03/13/2025  
Project Name: FNR MOBLEY PIT  
Project Number: 03C2284005  
Project Location: XTO 32.296335, -103.924876

Sampling Date: 03/07/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: FS 01 2' (H251385-01)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/11/2025	ND	2.02	101	2.00	2.72	
Toluene*	<0.050	0.050	03/11/2025	ND	2.10	105	2.00	2.23	
Ethylbenzene*	<0.050	0.050	03/11/2025	ND	2.03	102	2.00	1.69	
Total Xylenes*	<0.150	0.150	03/11/2025	ND	5.94	99.0	6.00	1.83	
Total BTEX	<0.300	0.300	03/11/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/11/2025	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	03/11/2025	ND	180	89.8	200	3.58	
DRO >C10-C28*	<10.0	10.0	03/11/2025	ND	182	90.9	200	0.220	
EXT DRO >C28-C36	<10.0	10.0	03/11/2025	ND					

Surrogate: 1-Chlorooctane 116 % 44.4-145

Surrogate: 1-Chlorooctadecane 119 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 03/10/2025  
Reported: 03/13/2025  
Project Name: FNR MOBLEY PIT  
Project Number: 03C2284005  
Project Location: XTO 32.296335, -103.924876

Sampling Date: 03/07/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: FS 02 2' (H251385-02)**

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	03/11/2025	ND	2.02	101	2.00	2.72		
Toluene*	<0.050	0.050	03/11/2025	ND	2.10	105	2.00	2.23		
Ethylbenzene*	<0.050	0.050	03/11/2025	ND	2.03	102	2.00	1.69		
Total Xylenes*	<0.150	0.150	03/11/2025	ND	5.94	99.0	6.00	1.83		
Total BTEx	<0.300	0.300	03/11/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	03/11/2025	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	03/11/2025	ND	180	89.8	200	3.58	
DRO >C10-C28*	<10.0	10.0	03/11/2025	ND	182	90.9	200	0.220	
EXT DRO >C28-C36	<10.0	10.0	03/11/2025	ND					

Surrogate: 1-Chlorooctane 120 % 44.4-145

Surrogate: 1-Chlorooctadecane 123 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 03/10/2025  
Reported: 03/13/2025  
Project Name: FNR MOBLEY PIT  
Project Number: 03C2284005  
Project Location: XTO 32.296335, -103.924876

Sampling Date: 03/07/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: FS 03 2' (H251385-03)**

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	03/11/2025	ND	2.02	101	2.00	2.72		
Toluene*	<0.050	0.050	03/11/2025	ND	2.10	105	2.00	2.23		
Ethylbenzene*	<0.050	0.050	03/11/2025	ND	2.03	102	2.00	1.69		
Total Xylenes*	<0.150	0.150	03/11/2025	ND	5.94	99.0	6.00	1.83		
Total BTEX	<0.300	0.300	03/11/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	03/11/2025	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	03/11/2025	ND	180	89.8	200	3.58	
DRO >C10-C28*	<10.0	10.0	03/11/2025	ND	182	90.9	200	0.220	
EXT DRO >C28-C36	<10.0	10.0	03/11/2025	ND					

Surrogate: 1-Chlorooctane 122 % 44.4-145

Surrogate: 1-Chlorooctadecane 125 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 03/10/2025  
Reported: 03/13/2025  
Project Name: FNR MOBLEY PIT  
Project Number: 03C2284005  
Project Location: XTO 32.296335, -103.924876

Sampling Date: 03/07/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: FS 04 2' (H251385-04)**

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	03/11/2025	ND	2.02	101	2.00	2.72		
Toluene*	<0.050	0.050	03/11/2025	ND	2.10	105	2.00	2.23		
Ethylbenzene*	<0.050	0.050	03/11/2025	ND	2.03	102	2.00	1.69		
Total Xylenes*	<0.150	0.150	03/11/2025	ND	5.94	99.0	6.00	1.83		
Total BTEX	<0.300	0.300	03/11/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/11/2025	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	03/11/2025	ND	180	89.8	200	3.58	
DRO >C10-C28*	<10.0	10.0	03/11/2025	ND	182	90.9	200	0.220	
EXT DRO >C28-C36	<10.0	10.0	03/11/2025	ND					

Surrogate: 1-Chlorooctane 118 % 44.4-145

Surrogate: 1-Chlorooctadecane 121 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

ENSOLUM  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 03/10/2025  
Reported: 03/13/2025  
Project Name: FNR MOBLEY PIT  
Project Number: 03C2284005  
Project Location: XTO 32.296335, -103.924876

Sampling Date: 03/07/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: FS 05 2' (H251385-05)**

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	03/11/2025	ND	2.02	101	2.00	2.72		
Toluene*	<0.050	0.050	03/11/2025	ND	2.10	105	2.00	2.23		
Ethylbenzene*	<0.050	0.050	03/11/2025	ND	2.03	102	2.00	1.69		
Total Xylenes*	<0.150	0.150	03/11/2025	ND	5.94	99.0	6.00	1.83		
Total BTEx	<0.300	0.300	03/11/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	03/11/2025	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	03/11/2025	ND	180	89.8	200	3.58	
DRO >C10-C28*	<10.0	10.0	03/11/2025	ND	182	90.9	200	0.220	
EXT DRO >C28-C36	<10.0	10.0	03/11/2025	ND					

Surrogate: 1-Chlorooctane 108 % 44.4-145

Surrogate: 1-Chlorooctadecane 110 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

ENSOLUM  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 03/10/2025  
Reported: 03/13/2025  
Project Name: FNR MOBLEY PIT  
Project Number: 03C2284005  
Project Location: XTO 32.296335, -103.924876

Sampling Date: 03/07/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: FS 06 2' (H251385-06)**

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	03/11/2025	ND	2.02	101	2.00	2.72		
Toluene*	<0.050	0.050	03/11/2025	ND	2.10	105	2.00	2.23		
Ethylbenzene*	<0.050	0.050	03/11/2025	ND	2.03	102	2.00	1.69		
Total Xylenes*	<0.150	0.150	03/11/2025	ND	5.94	99.0	6.00	1.83		
Total BTEX	<0.300	0.300	03/11/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	03/11/2025	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	03/11/2025	ND	180	89.8	200	3.58	
DRO >C10-C28*	<10.0	10.0	03/11/2025	ND	182	90.9	200	0.220	
EXT DRO >C28-C36	<10.0	10.0	03/11/2025	ND					

Surrogate: 1-Chlorooctane 113 % 44.4-145

Surrogate: 1-Chlorooctadecane 116 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 03/10/2025  
Reported: 03/13/2025  
Project Name: FNR MOBLEY PIT  
Project Number: 03C2284005  
Project Location: XTO 32.296335, -103.924876

Sampling Date: 03/07/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: FS 07 3' (H251385-07)**

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	03/11/2025	ND	2.02	101	2.00	2.72		
Toluene*	<0.050	0.050	03/11/2025	ND	2.10	105	2.00	2.23		
Ethylbenzene*	<0.050	0.050	03/11/2025	ND	2.03	102	2.00	1.69		
Total Xylenes*	<0.150	0.150	03/11/2025	ND	5.94	99.0	6.00	1.83		
Total BTEx	<0.300	0.300	03/11/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	03/11/2025	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	03/11/2025	ND	203	101	200	3.18	
DRO >C10-C28*	<10.0	10.0	03/11/2025	ND	191	95.5	200	1.08	
EXT DRO >C28-C36	<10.0	10.0	03/11/2025	ND					

Surrogate: 1-Chlorooctane 110 % 44.4-145

Surrogate: 1-Chlorooctadecane 113 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 03/10/2025  
Reported: 03/13/2025  
Project Name: FNR MOBLEY PIT  
Project Number: 03C2284005  
Project Location: XTO 32.296335, -103.924876

Sampling Date: 03/07/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: FS 08 3' (H251385-08)**

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	03/11/2025	ND	2.02	101	2.00	2.72		
Toluene*	<0.050	0.050	03/11/2025	ND	2.10	105	2.00	2.23		
Ethylbenzene*	<0.050	0.050	03/11/2025	ND	2.03	102	2.00	1.69		
Total Xylenes*	<0.150	0.150	03/11/2025	ND	5.94	99.0	6.00	1.83		
Total BTEx	<0.300	0.300	03/11/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	03/11/2025	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	03/11/2025	ND	203	101	200	3.18	
DRO >C10-C28*	<10.0	10.0	03/11/2025	ND	191	95.5	200	1.08	
EXT DRO >C28-C36	<10.0	10.0	03/11/2025	ND					

Surrogate: 1-Chlorooctane 107 % 44.4-145

Surrogate: 1-Chlorooctadecane 109 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 03/10/2025  
Reported: 03/13/2025  
Project Name: FNR MOBLEY PIT  
Project Number: 03C2284005  
Project Location: XTO 32.296335, -103.924876

Sampling Date: 03/07/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: FS 09 3' (H251385-09)**

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	03/11/2025	ND	2.02	101	2.00	2.72		
Toluene*	<0.050	0.050	03/11/2025	ND	2.10	105	2.00	2.23		
Ethylbenzene*	<0.050	0.050	03/11/2025	ND	2.03	102	2.00	1.69		
Total Xylenes*	<0.150	0.150	03/11/2025	ND	5.94	99.0	6.00	1.83		
Total BTEX	<0.300	0.300	03/11/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/11/2025	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	03/11/2025	ND	203	101	200	3.18	
DRO >C10-C28*	<10.0	10.0	03/11/2025	ND	191	95.5	200	1.08	
EXT DRO >C28-C36	<10.0	10.0	03/11/2025	ND					

Surrogate: 1-Chlorooctane 116 % 44.4-145

Surrogate: 1-Chlorooctadecane 118 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 03/10/2025  
Reported: 03/13/2025  
Project Name: FNR MOBLEY PIT  
Project Number: 03C2284005  
Project Location: XTO 32.296335, -103.924876

Sampling Date: 03/07/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: FS 10 3' (H251385-10)**

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	03/11/2025	ND	2.02	101	2.00	2.72		
Toluene*	<0.050	0.050	03/11/2025	ND	2.10	105	2.00	2.23		
Ethylbenzene*	<0.050	0.050	03/11/2025	ND	2.03	102	2.00	1.69		
Total Xylenes*	<0.150	0.150	03/11/2025	ND	5.94	99.0	6.00	1.83		
Total BTEX	<0.300	0.300	03/11/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	03/11/2025	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	03/11/2025	ND	203	101	200	3.18	
DRO >C10-C28*	<10.0	10.0	03/11/2025	ND	191	95.5	200	1.08	
EXT DRO >C28-C36	<10.0	10.0	03/11/2025	ND					

Surrogate: 1-Chlorooctane 98.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 105 % 40.6-153

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**Analytical Results For:**

ENSOLUM  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 03/10/2025  
Reported: 03/13/2025  
Project Name: FNR MOBLEY PIT  
Project Number: 03C2284005  
Project Location: XTO 32.296335, -103.924876

Sampling Date: 03/07/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: FS 11 3' (H251385-11)**

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	03/11/2025	ND	2.02	101	2.00	2.72		
Toluene*	<0.050	0.050	03/11/2025	ND	2.10	105	2.00	2.23		
Ethylbenzene*	<0.050	0.050	03/11/2025	ND	2.03	102	2.00	1.69		
Total Xylenes*	<0.150	0.150	03/11/2025	ND	5.94	99.0	6.00	1.83		
Total BTEx	<0.300	0.300	03/11/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/11/2025	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	03/11/2025	ND	203	101	200	3.18	
DRO >C10-C28*	<10.0	10.0	03/11/2025	ND	191	95.5	200	1.08	
EXT DRO >C28-C36	<10.0	10.0	03/11/2025	ND					

Surrogate: 1-Chlorooctane 118 % 44.4-145

Surrogate: 1-Chlorooctadecane 120 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 03/10/2025  
Reported: 03/13/2025  
Project Name: FNR MOBLEY PIT  
Project Number: 03C2284005  
Project Location: XTO 32.296335, -103.924876

Sampling Date: 03/07/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: FS 12 5' (H251385-12)**

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	03/11/2025	ND	2.02	101	2.00	2.72		
Toluene*	<0.050	0.050	03/11/2025	ND	2.10	105	2.00	2.23		
Ethylbenzene*	<0.050	0.050	03/11/2025	ND	2.03	102	2.00	1.69		
Total Xylenes*	<0.150	0.150	03/11/2025	ND	5.94	99.0	6.00	1.83		
Total BTEx	<0.300	0.300	03/11/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	03/11/2025	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	03/11/2025	ND	203	101	200	3.18	
DRO >C10-C28*	<10.0	10.0	03/11/2025	ND	191	95.5	200	1.08	
EXT DRO >C28-C36	<10.0	10.0	03/11/2025	ND					

Surrogate: 1-Chlorooctane 115 % 44.4-145

Surrogate: 1-Chlorooctadecane 118 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 03/10/2025  
Reported: 03/13/2025  
Project Name: FNR MOBLEY PIT  
Project Number: 03C2284005  
Project Location: XTO 32.296335, -103.924876

Sampling Date: 03/07/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: FS 13 2' (H251385-13)**

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	03/11/2025	ND	2.02	101	2.00	2.72		
Toluene*	<0.050	0.050	03/11/2025	ND	2.10	105	2.00	2.23		
Ethylbenzene*	<0.050	0.050	03/11/2025	ND	2.03	102	2.00	1.69		
Total Xylenes*	<0.150	0.150	03/11/2025	ND	5.94	99.0	6.00	1.83		
Total BTEX	<0.300	0.300	03/11/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	03/11/2025	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	03/11/2025	ND	203	101	200	3.18	
DRO >C10-C28*	<10.0	10.0	03/11/2025	ND	191	95.5	200	1.08	
EXT DRO >C28-C36	<10.0	10.0	03/11/2025	ND					

Surrogate: 1-Chlorooctane 117 % 44.4-145

Surrogate: 1-Chlorooctadecane 119 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

ENSOLUM  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 03/10/2025  
Reported: 03/13/2025  
Project Name: FNR MOBLEY PIT  
Project Number: 03C2284005  
Project Location: XTO 32.296335, -103.924876

Sampling Date: 03/07/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: FS 14 2' (H251385-14)**

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	03/11/2025	ND	2.02	101	2.00	2.72		
Toluene*	<0.050	0.050	03/11/2025	ND	2.10	105	2.00	2.23		
Ethylbenzene*	<0.050	0.050	03/11/2025	ND	2.03	102	2.00	1.69		
Total Xylenes*	<0.150	0.150	03/11/2025	ND	5.94	99.0	6.00	1.83		
Total BTEx	<0.300	0.300	03/11/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	03/11/2025	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	03/11/2025	ND	203	101	200	3.18	
DRO >C10-C28*	<10.0	10.0	03/11/2025	ND	191	95.5	200	1.08	
EXT DRO >C28-C36	<10.0	10.0	03/11/2025	ND					

Surrogate: 1-Chlorooctane 114 % 44.4-145

Surrogate: 1-Chlorooctadecane 116 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 03/10/2025  
Reported: 03/13/2025  
Project Name: FNR MOBLEY PIT  
Project Number: 03C2284005  
Project Location: XTO 32.296335, -103.924876

Sampling Date: 03/07/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: FS 15 3' (H251385-15)**

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	03/11/2025	ND	2.02	101	2.00	2.72		
Toluene*	<0.050	0.050	03/11/2025	ND	2.10	105	2.00	2.23		
Ethylbenzene*	<0.050	0.050	03/11/2025	ND	2.03	102	2.00	1.69		
Total Xylenes*	<0.150	0.150	03/11/2025	ND	5.94	99.0	6.00	1.83		
Total BTEx	<0.300	0.300	03/11/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/11/2025	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	03/11/2025	ND	203	101	200	3.18	
DRO >C10-C28*	<10.0	10.0	03/11/2025	ND	191	95.5	200	1.08	
EXT DRO >C28-C36	<10.0	10.0	03/11/2025	ND					

Surrogate: 1-Chlorooctane 99.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 102 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 03/10/2025  
Reported: 03/13/2025  
Project Name: FNR MOBLEY PIT  
Project Number: 03C2284005  
Project Location: XTO 32.296335, -103.924876

Sampling Date: 03/07/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: FS 16 3' (H251385-16)**

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	03/11/2025	ND	2.02	101	2.00	2.72		
Toluene*	<0.050	0.050	03/11/2025	ND	2.10	105	2.00	2.23		
Ethylbenzene*	<0.050	0.050	03/11/2025	ND	2.03	102	2.00	1.69		
Total Xylenes*	<0.150	0.150	03/11/2025	ND	5.94	99.0	6.00	1.83		
Total BTEX	<0.300	0.300	03/11/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/11/2025	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	03/11/2025	ND	203	101	200	3.18	
DRO >C10-C28*	<10.0	10.0	03/11/2025	ND	191	95.5	200	1.08	
EXT DRO >C28-C36	<10.0	10.0	03/11/2025	ND					

Surrogate: 1-Chlorooctane 115 % 44.4-145

Surrogate: 1-Chlorooctadecane 119 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 03/10/2025  
Reported: 03/13/2025  
Project Name: FNR MOBLEY PIT  
Project Number: 03C2284005  
Project Location: XTO 32.296335, -103.924876

Sampling Date: 03/07/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW 01 0-2' (H251385-17)**

BTX 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/11/2025	ND	1.94	97.0	2.00	6.90	
Toluene*	<0.050	0.050	03/11/2025	ND	2.17	109	2.00	0.304	
Ethylbenzene*	<0.050	0.050	03/11/2025	ND	2.52	126	2.00	3.97	
Total Xylenes*	<0.150	0.150	03/11/2025	ND	7.83	131	6.00	3.54	
Total BTX	<0.300	0.300	03/11/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 137 % 71.5-134

Chloride, SM4500CI-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	03/11/2025	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	03/11/2025	ND	203	101	200	3.18	
DRO >C10-C28*	<10.0	10.0	03/11/2025	ND	191	95.5	200	1.08	
EXT DRO >C28-C36	<10.0	10.0	03/11/2025	ND					

Surrogate: 1-Chlorooctane 114 % 44.4-145

Surrogate: 1-Chlorooctadecane 118 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 03/10/2025  
Reported: 03/13/2025  
Project Name: FNR MOBLEY PIT  
Project Number: 03C2284005  
Project Location: XTO 32.296335, -103.924876

Sampling Date: 03/07/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW 02 0-2' (H251385-18)**

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	03/11/2025	ND	1.94	97.0	2.00	6.90		
Toluene*	<0.050	0.050	03/11/2025	ND	2.17	109	2.00	0.304		
Ethylbenzene*	<0.050	0.050	03/11/2025	ND	2.52	126	2.00	3.97		
Total Xylenes*	<0.150	0.150	03/11/2025	ND	7.83	131	6.00	3.54		
Total BTEX	<0.300	0.300	03/11/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/11/2025	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	03/11/2025	ND	203	101	200	3.18	
DRO >C10-C28*	<10.0	10.0	03/11/2025	ND	191	95.5	200	1.08	
EXT DRO >C28-C36	<10.0	10.0	03/11/2025	ND					

Surrogate: 1-Chlorooctane 115 % 44.4-145

Surrogate: 1-Chlorooctadecane 118 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 03/10/2025  
Reported: 03/13/2025  
Project Name: FNR MOBLEY PIT  
Project Number: 03C2284005  
Project Location: XTO 32.296335, -103.924876

Sampling Date: 03/07/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW 03 0-2' (H251385-19)**

BTX 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	03/11/2025	ND	1.94	97.0	2.00	6.90	
Toluene*	<0.050	0.050	03/11/2025	ND	2.17	109	2.00	0.304	
Ethylbenzene*	<0.050	0.050	03/11/2025	ND	2.52	126	2.00	3.97	
Total Xylenes*	<0.150	0.150	03/11/2025	ND	7.83	131	6.00	3.54	
Total BTX	<0.300	0.300	03/11/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 128 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/11/2025	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	03/11/2025	ND	203	101	200	3.18	
DRO >C10-C28*	<10.0	10.0	03/11/2025	ND	191	95.5	200	1.08	
EXT DRO >C28-C36	<10.0	10.0	03/11/2025	ND					

Surrogate: 1-Chlorooctane 114 % 44.4-145

Surrogate: 1-Chlorooctadecane 116 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 03/10/2025  
Reported: 03/13/2025  
Project Name: FNR MOBLEY PIT  
Project Number: 03C2284005  
Project Location: XTO 32.296335, -103.924876

Sampling Date: 03/07/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW 04 0-3' (H251385-20)**

BTX 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	03/11/2025	ND	1.94	97.0	2.00	6.90		
Toluene*	<0.050	0.050	03/11/2025	ND	2.17	109	2.00	0.304		
Ethylbenzene*	<0.050	0.050	03/11/2025	ND	2.52	126	2.00	3.97		
Total Xylenes*	<0.150	0.150	03/11/2025	ND	7.83	131	6.00	3.54		
Total BTX	<0.300	0.300	03/11/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 134 % 71.5-134

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	03/11/2025	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	03/11/2025	ND	203	101	200	3.18	
DRO >C10-C28*	<10.0	10.0	03/11/2025	ND	191	95.5	200	1.08	
EXT DRO >C28-C36	<10.0	10.0	03/11/2025	ND					

Surrogate: 1-Chlorooctane 112 % 44.4-145

Surrogate: 1-Chlorooctadecane 115 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 03/10/2025  
Reported: 03/13/2025  
Project Name: FNR MOBLEY PIT  
Project Number: 03C2284005  
Project Location: XTO 32.296335, -103.924876

Sampling Date: 03/07/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW 05 0-3' (H251385-21)**

BTX 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	03/11/2025	ND	1.94	97.0	2.00	6.90	
Toluene*	<0.050	0.050	03/11/2025	ND	2.17	109	2.00	0.304	
Ethylbenzene*	<0.050	0.050	03/11/2025	ND	2.52	126	2.00	3.97	
Total Xylenes*	<0.150	0.150	03/11/2025	ND	7.83	131	6.00	3.54	
Total BTX	<0.300	0.300	03/11/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 133 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/11/2025	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	03/11/2025	ND	203	101	200	3.18	
DRO >C10-C28*	<10.0	10.0	03/11/2025	ND	191	95.5	200	1.08	
EXT DRO >C28-C36	<10.0	10.0	03/11/2025	ND					

Surrogate: 1-Chlorooctane 112 % 44.4-145

Surrogate: 1-Chlorooctadecane 112 % 40.6-153

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 03/10/2025  
Reported: 03/13/2025  
Project Name: FNR MOBLEY PIT  
Project Number: 03C2284005  
Project Location: XTO 32.296335, -103.924876

Sampling Date: 03/07/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW 06 0-3' (H251385-22)**

BTX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/11/2025	ND	1.94	97.0	2.00	6.90	
Toluene*	<0.050	0.050	03/11/2025	ND	2.17	109	2.00	0.304	
Ethylbenzene*	<0.050	0.050	03/11/2025	ND	2.52	126	2.00	3.97	
Total Xylenes*	<0.150	0.150	03/11/2025	ND	7.83	131	6.00	3.54	
Total BTX	<0.300	0.300	03/11/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 135 % 71.5-134

Chloride, SM4500CI-B			mg/kg					Analyzed By: AC	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/11/2025	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	03/11/2025	ND	203	101	200	3.18	
DRO >C10-C28*	<10.0	10.0	03/11/2025	ND	191	95.5	200	1.08	
EXT DRO >C28-C36	<10.0	10.0	03/11/2025	ND					

Surrogate: 1-Chlorooctane 116 % 44.4-145

Surrogate: 1-Chlorooctadecane 118 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

ENSOLUM  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 03/10/2025  
Reported: 03/13/2025  
Project Name: FNR MOBLEY PIT  
Project Number: 03C2284005  
Project Location: XTO 32.296335, -103.924876

Sampling Date: 03/07/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW 07 0-3' (H251385-23)**

BTX 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	03/11/2025	ND	1.94	97.0	2.00	6.90	
Toluene*	<0.050	0.050	03/11/2025	ND	2.17	109	2.00	0.304	
Ethylbenzene*	<0.050	0.050	03/11/2025	ND	2.52	126	2.00	3.97	
Total Xylenes*	<0.150	0.150	03/11/2025	ND	7.83	131	6.00	3.54	
Total BTX	<0.300	0.300	03/11/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 128 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/11/2025	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	03/11/2025	ND	203	101	200	3.18	
DRO >C10-C28*	<10.0	10.0	03/11/2025	ND	191	95.5	200	1.08	
EXT DRO >C28-C36	<10.0	10.0	03/11/2025	ND					

Surrogate: 1-Chlorooctane 107 % 44.4-145

Surrogate: 1-Chlorooctadecane 109 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 03/10/2025  
Reported: 03/13/2025  
Project Name: FNR MOBLEY PIT  
Project Number: 03C2284005  
Project Location: XTO 32.296335, -103.924876

Sampling Date: 03/07/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW 08 0-3' (H251385-24)**

BTEx 8021B		mg/kg		Analyzed By: JH				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/11/2025	ND	1.94	97.0	2.00	6.90		
Toluene*	<0.050	0.050	03/11/2025	ND	2.17	109	2.00	0.304		
Ethylbenzene*	<0.050	0.050	03/11/2025	ND	2.52	126	2.00	3.97		
Total Xylenes*	<0.150	0.150	03/11/2025	ND	7.83	131	6.00	3.54		
Total BTEX	<0.300	0.300	03/11/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 136 % 71.5-134

Chloride, SM4500Cl-B			mg/kg					Analyzed By: AC	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	03/11/2025	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	03/11/2025	ND	203	101	200	3.18	
DRO >C10-C28*	<10.0	10.0	03/11/2025	ND	191	95.5	200	1.08	
EXT DRO >C28-C36	<10.0	10.0	03/11/2025	ND					

Surrogate: 1-Chlorooctane 120 % 44.4-145

Surrogate: 1-Chlorooctadecane 123 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 03/10/2025  
Reported: 03/13/2025  
Project Name: FNR MOBLEY PIT  
Project Number: 03C2284005  
Project Location: XTO 32.296335, -103.924876

Sampling Date: 03/07/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW 09 0-3' (H251385-25)**

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	03/11/2025	ND	1.94	97.0	2.00	6.90		
Toluene*	<0.050	0.050	03/11/2025	ND	2.17	109	2.00	0.304		
Ethylbenzene*	<0.050	0.050	03/11/2025	ND	2.52	126	2.00	3.97		
Total Xylenes*	<0.150	0.150	03/11/2025	ND	7.83	131	6.00	3.54		
Total BTEX	<0.300	0.300	03/11/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 130 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	03/11/2025	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	03/11/2025	ND	203	101	200	3.18	
DRO >C10-C28*	<10.0	10.0	03/11/2025	ND	191	95.5	200	1.08	
EXT DRO >C28-C36	<10.0	10.0	03/11/2025	ND					

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 107 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ENSOLUM  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 03/10/2025  
Reported: 03/13/2025  
Project Name: FNR MOBLEY PIT  
Project Number: 03C2284005  
Project Location: XTO 32.296335, -103.924876

Sampling Date: 03/07/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW 10 0-2' (H251385-26)**

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	03/11/2025	ND	1.94	97.0	2.00	6.90		
Toluene*	<0.050	0.050	03/11/2025	ND	2.17	109	2.00	0.304		
Ethylbenzene*	<0.050	0.050	03/11/2025	ND	2.52	126	2.00	3.97		
Total Xylenes*	<0.150	0.150	03/11/2025	ND	7.83	131	6.00	3.54		
Total BTEX	<0.300	0.300	03/11/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 133 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	03/11/2025	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	03/11/2025	ND	203	101	200	3.18	
DRO >C10-C28*	<10.0	10.0	03/11/2025	ND	191	95.5	200	1.08	
EXT DRO >C28-C36	<10.0	10.0	03/11/2025	ND					

Surrogate: 1-Chlorooctane 120 % 44.4-145

Surrogate: 1-Chlorooctadecane 124 % 40.6-153

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**Analytical Results For:**

ENSOLUM  
JEREMY REICH  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received: 03/10/2025  
Reported: 03/13/2025  
Project Name: FNR MOBLEY PIT  
Project Number: 03C2284005  
Project Location: XTO 32.296335, -103.924876

Sampling Date: 03/07/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW 11 0-3' (H251385-27)**

BTX 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	03/11/2025	ND	1.94	97.0	2.00	6.90		
Toluene*	<0.050	0.050	03/11/2025	ND	2.17	109	2.00	0.304		
Ethylbenzene*	<0.050	0.050	03/11/2025	ND	2.52	126	2.00	3.97		
Total Xylenes*	<0.150	0.150	03/11/2025	ND	7.83	131	6.00	3.54		
Total BTX	<0.300	0.300	03/11/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 134 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	03/11/2025	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	03/11/2025	ND	203	102	200	3.53	
DRO >C10-C28*	<10.0	10.0	03/11/2025	ND	196	97.8	200	0.170	
EXT DRO >C28-C36	<10.0	10.0	03/11/2025	ND					

Surrogate: 1-Chlorooctane 114 % 44.4-145

Surrogate: 1-Chlorooctadecane 119 % 40.6-153

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

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager









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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 3

Company Name: Ensolum, LLC				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>							
Project Manager: Jeremy Reich				P.O. #: 7025											
Address: 3122 National Parks Hwy				Company: New Wave Energy Services											
City: Carlsbad				Attn: Ensolum											
Phone #: 432 296 0627				Fax #: 432 296 0627											
Project #: 03C 2284 005				Project Owner: New Wave Energy Services											
Project Name: FNR Mobley Pit				City: Hobbs											
Project Location: 32.296335, -103.924876				State: NM											
Sampler Name: Joshua Boxley				Phone #: 505 393 2326											
Fax #: 505 393 2476															
FOR LAB USE ONLY															
Lab I.D.		Sample I.D.		Depth (feet)		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING	
H251385		FS11		3		C		1		X		DATE		TIME	
		FS12		5		C		1		X		3.7.25		1145	
		FS13		2		C		1		X		3.7.25		1205	
		FS14		2		C		1		X		3.7.25		1115	
		FS15		3		C		1		X		3.7.25		1120	
		FS16		3		C		1		X		3.7.25		1320	
		SW01		0-2		C		1		X		3.7.25		1105	
		SW02		0-2		C		1		X		3.7.25		1435	
		SW03		0-2		C		1		X		3.7.25		1440	
		SW04		0-3		C		1		X		3.7.25		1630	
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Relinquished By: [Signature]				Date: 3-10-25				Received By: [Signature]				Date: 3-10-25			
Relinquished By: [Signature]				Date: 3-10-25				Received By: [Signature]				Date: 3-10-25			
Delivered By: (Circle One)				Observed Temp. °C: 4.3				Sample Condition				CHECKED BY: (Initials)			
Sampler - UPS - Bus - Other:				Corrected Temp. °C: 4.6				Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			
Turnaround Time: 24 hrs				Standard				Bacteria (only) <input checked="" type="checkbox"/>				Sample Condition			
Thermometer ID: #140				Rush				Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			
Correction Factor: 0.3								Corrected Temp. °C							
Remarks: APP 2502 160252				AP: FV 213 1951088											
Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:											
All Results are emailed. Please provide Email address:															
jreich@ensolum.com, twinnissey@ensolum.com, kthomas@ensolum.com															





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

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b> Ensolum, LLC						<b>BILL TO</b>						<b>ANALYSIS REQUEST</b>					
<b>Project Manager:</b> Jeremy Reich						<b>P.O. #:</b> mcs											
<b>Address:</b> 3122 National Parks Hwy						<b>Company:</b> <del>Nature Water Energy Services</del>											
<b>City:</b> Carlsbad						<b>Attn:</b>											
<b>Phone #:</b> 432 296 0621						<b>State:</b> NM						<b>Zip:</b> 88220					
<b>Fax #:</b>						<b>Address:</b> Enslum											
<b>Project #:</b> O3C 2284 005						<b>Project Owner:</b> New Wave Energy Services											
<b>Project Name:</b> FNR Mobley Pit						<b>City:</b>											
<b>Project Location:</b> 32.296335, -103.924876						<b>State:</b> Zip:											
<b>Sample Name:</b> Joshua Boxley						<b>Phone #:</b>											
<b>Fax #:</b>						<b>SAMPLING</b>											
FOR LAB USE ONLY						PRESERV.											
						DATE						TIME					
						Chlorides											
						TPH											
						BTEX											

Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP. # CONTAINERS	MATRIX							ACID/BASE: ICE / COOL OTHER :	DATE	TIME	Chlorides	TPH	BTEX
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :							
H2S1385	SW05	0-3	C 1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	X	3.725	1635	X	X	X
	SW06	↓	I	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		1505				
	SW07	↓	I	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		1500				
	SW08	↓	I	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		1150				
	SW09	0-3	I	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		1155				
	SW10	0-2	I	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		1130				
	SW11	0-3	C 1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	X	3.725	1330	X	X	X

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<b>Relinquished By:</b> [Signature]	<b>Date:</b> 3-10-25	<b>Received By:</b> [Signature]	<b>Date:</b> 3-10-25
<b>Time:</b> 1245		<b>Time:</b>	
<b>Observed Temp.: °C</b> 4.3	<b>Corrected Temp.: °C</b> 4.6	<b>Sample Condition</b>	<b>CHECKED BY:</b> (Initials)
		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>
			Bacteria (only) Sample Condition <input checked="" type="checkbox"/> Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No
			Thermometer ID: #140 Correction Factor: +0.3°C
			Remarks: WAPP 2502 160252 APT: fV 21319 51088
			Cost Center:

FORM-006 R 3.2 10/07/21      \* Cardinal cannot accept account voided check transactions. Please advise if you are unable to pay via credit card.





Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Jeremy Reich  
Ensolum  
601 N. Marienfeld St.  
Suite 400  
Midland, Texas 79701

Generated 3/18/2025 2:49:22 PM

## JOB DESCRIPTION

FNR Mobley Pit  
32.296335,-103.924876

## JOB NUMBER

890-7809-1

Eurofins Carlsbad  
1089 N Canal St.  
Carlsbad NM 88220



# Eurofins Carlsbad

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



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



Client: Ensolum  
Project/Site: FNR Mobley Pit

Laboratory Job ID: 890-7809-1  
SDG: 32.296335,-103.924876

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Definitions/Glossary

Client: Ensolum  
Project/Site: FNR Mobley Pit

Job ID: 890-7809-1  
SDG: 32.296335,-103.924876

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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



## Case Narrative

Client: Ensolum  
Project: FNR Mobley Pit

Job ID: 890-7809-1

**Job ID: 890-7809-1**

**Eurofins Carlsbad**

### Job Narrative 890-7809-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### Receipt

The samples were received on 3/13/2025 8:11 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.0°C.

#### Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SS10 (890-7809-1), FS17 (890-7809-2), FS18 (890-7809-3) and FS19 (890-7809-4).

#### GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: SS10 (890-7809-1), FS17 (890-7809-2), FS18 (890-7809-3), FS19 (890-7809-4), (CCV 880-105279/2), (CCV 880-105279/20), (LCS 880-105302/1-A), (LCSD 880-105302/2-A), (890-7809-A-1-E MS) and (890-7809-A-1-F MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-105302 and analytical batch 880-105279 was outside the upper control limits.

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

#### Diesel Range Organics

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: SS10 (890-7809-1), FS17 (890-7809-2), FS18 (890-7809-3), FS19 (890-7809-4) and (890-7809-A-1-C MSD). Evidence of matrix interferences is not obvious.

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

#### HPLC/IC

Method 300\_ORGFM\_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-105290 and analytical batch 880-105303 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: SS10 (890-7809-1), FS17 (890-7809-2) and FS18 (890-7809-3).

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

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## Client Sample Results

Client: Ensolum  
Project/Site: FNR Mobley Pit

Job ID: 890-7809-1  
SDG: 32.296335,-103.924876

Client Sample ID: SS10

Lab Sample ID: 890-7809-1

Date Collected: 03/11/25 15:35

Matrix: Solid

Date Received: 03/13/25 08:11

Sample Depth: 0.5'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/14/25 09:51	03/14/25 12:10	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/14/25 09:51	03/14/25 12:10	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/14/25 09:51	03/14/25 12:10	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		03/14/25 09:51	03/14/25 12:10	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/14/25 09:51	03/14/25 12:10	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		03/14/25 09:51	03/14/25 12:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	174	S1+	70 - 130	03/14/25 09:51	03/14/25 12:10	1
1,4-Difluorobenzene (Surr)	82		70 - 130	03/14/25 09:51	03/14/25 12:10	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			03/14/25 12:10	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	mg/Kg			03/14/25 11:48	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	mg/Kg		03/14/25 08:16	03/14/25 11:48	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		03/14/25 08:16	03/14/25 11:48	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		03/14/25 08:16	03/14/25 11:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	162	S1+	70 - 130	03/14/25 08:16	03/14/25 11:48	1
o-Terphenyl	138	S1+	70 - 130	03/14/25 08:16	03/14/25 11:48	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	367		10.0	mg/Kg			03/14/25 12:47	1

Client Sample ID: FS17

Lab Sample ID: 890-7809-2

Date Collected: 03/12/25 14:09

Matrix: Solid

Date Received: 03/13/25 08:11

Sample Depth: 4'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		03/14/25 09:51	03/14/25 12:31	1
Toluene	<0.00202	U	0.00202	mg/Kg		03/14/25 09:51	03/14/25 12:31	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		03/14/25 09:51	03/14/25 12:31	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		03/14/25 09:51	03/14/25 12:31	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		03/14/25 09:51	03/14/25 12:31	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		03/14/25 09:51	03/14/25 12:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	163	S1+	70 - 130	03/14/25 09:51	03/14/25 12:31	1

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## Client Sample Results

Client: Ensolum  
Project/Site: FNR Mobley Pit

Job ID: 890-7809-1  
SDG: 32.296335,-103.924876

Client Sample ID: FS17

Lab Sample ID: 890-7809-2

Date Collected: 03/12/25 14:09

Matrix: Solid

Date Received: 03/13/25 08:11

Sample Depth: 4'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	78		70 - 130	03/14/25 09:51	03/14/25 12:31	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			03/14/25 12:31	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	mg/Kg			03/14/25 12:36	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6	mg/Kg		03/14/25 08:16	03/14/25 12:36	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		03/14/25 08:16	03/14/25 12:36	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		03/14/25 08:16	03/14/25 12:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130			03/14/25 08:16	03/14/25 12:36	1
o-Terphenyl	127		70 - 130			03/14/25 08:16	03/14/25 12:36	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1490		49.5	mg/Kg			03/14/25 12:54	5

Client Sample ID: FS18

Lab Sample ID: 890-7809-3

Date Collected: 03/12/25 14:11

Matrix: Solid

Date Received: 03/13/25 08:11

Sample Depth: 4'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		03/14/25 09:51	03/14/25 12:51	1
Toluene	<0.00201	U	0.00201	mg/Kg		03/14/25 09:51	03/14/25 12:51	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/14/25 09:51	03/14/25 12:51	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		03/14/25 09:51	03/14/25 12:51	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/14/25 09:51	03/14/25 12:51	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/14/25 09:51	03/14/25 12:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	161	S1+	70 - 130	03/14/25 09:51	03/14/25 12:51	1
1,4-Difluorobenzene (Surr)	79		70 - 130	03/14/25 09:51	03/14/25 12:51	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			03/14/25 12:51	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/14/25 12:52	1

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## Client Sample Results

Client: Ensolum  
Project/Site: FNR Mobley Pit

Job ID: 890-7809-1  
SDG: 32.296335,-103.924876

Client Sample ID: FS18

Lab Sample ID: 890-7809-3

Date Collected: 03/12/25 14:11

Matrix: Solid

Date Received: 03/13/25 08:11

Sample Depth: 4'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/14/25 08:16	03/14/25 12:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/14/25 08:16	03/14/25 12:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/14/25 08:16	03/14/25 12:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	143	S1+	70 - 130			03/14/25 08:16	03/14/25 12:52	1
o-Terphenyl	132	S1+	70 - 130			03/14/25 08:16	03/14/25 12:52	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1500		50.0	mg/Kg			03/14/25 13:02	5

Client Sample ID: FS19

Lab Sample ID: 890-7809-4

Date Collected: 03/12/25 14:06

Matrix: Solid

Date Received: 03/13/25 08:11

Sample Depth: 4'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/14/25 09:51	03/14/25 13:12	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/14/25 09:51	03/14/25 13:12	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/14/25 09:51	03/14/25 13:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/14/25 09:51	03/14/25 13:12	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/14/25 09:51	03/14/25 13:12	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/14/25 09:51	03/14/25 13:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	165	S1+	70 - 130			03/14/25 09:51	03/14/25 13:12	1
1,4-Difluorobenzene (Surr)	78		70 - 130			03/14/25 09:51	03/14/25 13:12	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/14/25 13:12	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			03/14/25 13:08	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		03/14/25 08:16	03/14/25 13:08	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		03/14/25 08:16	03/14/25 13:08	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		03/14/25 08:16	03/14/25 13:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	148	S1+	70 - 130			03/14/25 08:16	03/14/25 13:08	1
o-Terphenyl	137	S1+	70 - 130			03/14/25 08:16	03/14/25 13:08	1

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Client Sample Results

Client: Ensolum  
Project/Site: FNR Mobley Pit

Job ID: 890-7809-1  
SDG: 32.296335,-103.924876

**Client Sample ID: FS19**  
Date Collected: 03/12/25 14:06  
Date Received: 03/13/25 08:11  
Sample Depth: 4'

**Lab Sample ID: 890-7809-4**  
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	1390		49.8	mg/Kg			03/14/25 13:09	5	



## Surrogate Summary

Client: Ensolum  
Project/Site: FNR Mobley Pit

Job ID: 890-7809-1  
SDG: 32.296335,-103.924876

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-7809-1	SS10	174 S1+	82
890-7809-1 MS	SS10	158 S1+	82
890-7809-1 MSD	SS10	163 S1+	81
890-7809-2	FS17	163 S1+	78
890-7809-3	FS18	161 S1+	79
890-7809-4	FS19	165 S1+	78
LCS 880-105302/1-A	Lab Control Sample	157 S1+	86
LCSD 880-105302/2-A	Lab Control Sample Dup	157 S1+	87
MB 880-105302/5-A	Method Blank	146 S1+	76
<b>Surrogate Legend</b>			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-7809-1	SS10	162 S1+	138 S1+
890-7809-1 MS	SS10	125	120
890-7809-1 MSD	SS10	140 S1+	131 S1+
890-7809-2	FS17	136 S1+	127
890-7809-3	FS18	143 S1+	132 S1+
890-7809-4	FS19	148 S1+	137 S1+
LCS 880-105277/2-A	Lab Control Sample	121	119
LCSD 880-105277/3-A	Lab Control Sample Dup	123	123
MB 880-105277/1-A	Method Blank	102	92
<b>Surrogate Legend</b>			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			



## QC Sample Results

Client: Ensolum  
Project/Site: FNR Mobley Pit

Job ID: 890-7809-1  
SDG: 32.296335,-103.924876

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

Lab Sample ID: MB 880-105302/5-A

Matrix: Solid

Analysis Batch: 105279

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 105302

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/14/25 09:51	03/14/25 11:49	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/14/25 09:51	03/14/25 11:49	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/14/25 09:51	03/14/25 11:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/14/25 09:51	03/14/25 11:49	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/14/25 09:51	03/14/25 11:49	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/14/25 09:51	03/14/25 11:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	146	S1+	70 - 130	03/14/25 09:51	03/14/25 11:49	1
1,4-Difluorobenzene (Surr)	76		70 - 130	03/14/25 09:51	03/14/25 11:49	1

Lab Sample ID: LCS 880-105302/1-A

Matrix: Solid

Analysis Batch: 105279

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 105302

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1107		mg/Kg		111	70 - 130
Toluene	0.100	0.1085		mg/Kg		109	70 - 130
Ethylbenzene	0.100	0.1076		mg/Kg		108	70 - 130
m-Xylene & p-Xylene	0.200	0.2335		mg/Kg		117	70 - 130
o-Xylene	0.100	0.1152		mg/Kg		115	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	157	S1+	70 - 130
1,4-Difluorobenzene (Surr)	86		70 - 130

Lab Sample ID: LCSD 880-105302/2-A

Matrix: Solid

Analysis Batch: 105279

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 105302

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1055		mg/Kg		105	70 - 130	5	35
Toluene	0.100	0.1096		mg/Kg		110	70 - 130	1	35
Ethylbenzene	0.100	0.1086		mg/Kg		109	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2352		mg/Kg		118	70 - 130	1	35
o-Xylene	0.100	0.1165		mg/Kg		116	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	157	S1+	70 - 130
1,4-Difluorobenzene (Surr)	87		70 - 130

Lab Sample ID: 890-7809-1 MS

Matrix: Solid

Analysis Batch: 105279

Client Sample ID: SS10

Prep Type: Total/NA

Prep Batch: 105302

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09704		mg/Kg		97	70 - 130
Toluene	<0.00200	U	0.100	0.1005		mg/Kg		100	70 - 130

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## QC Sample Results

Client: Ensolum  
Project/Site: FNR Mobley Pit

Job ID: 890-7809-1  
SDG: 32.296335,-103.924876

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

Lab Sample ID: 890-7809-1 MS

Matrix: Solid

Analysis Batch: 105279

Client Sample ID: SS10

Prep Type: Total/NA

Prep Batch: 105302

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.09836		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2131		mg/Kg		107	70 - 130
o-Xylene	<0.00200	U	0.100	0.1056		mg/Kg		106	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	158	S1+	70 - 130
1,4-Difluorobenzene (Surr)	82		70 - 130

Lab Sample ID: 890-7809-1 MSD

Matrix: Solid

Analysis Batch: 105279

Client Sample ID: SS10

Prep Type: Total/NA

Prep Batch: 105302

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.1034		mg/Kg		103	70 - 130	6	35
Toluene	<0.00200	U	0.100	0.1025		mg/Kg		103	70 - 130	2	35
Ethylbenzene	<0.00200	U	0.100	0.1018		mg/Kg		102	70 - 130	3	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2220		mg/Kg		111	70 - 130	4	35
o-Xylene	<0.00200	U	0.100	0.1101		mg/Kg		110	70 - 130	4	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	163	S1+	70 - 130
1,4-Difluorobenzene (Surr)	81		70 - 130

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

Lab Sample ID: MB 880-105277/1-A

Matrix: Solid

Analysis Batch: 105297

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 105277

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/14/25 08:14	03/14/25 09:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/14/25 08:14	03/14/25 09:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/14/25 08:14	03/14/25 09:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	03/14/25 08:14	03/14/25 09:41	1
o-Terphenyl	92		70 - 130	03/14/25 08:14	03/14/25 09:41	1

Lab Sample ID: LCS 880-105277/2-A

Matrix: Solid

Analysis Batch: 105297

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 105277

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1084		mg/Kg		108	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1105		mg/Kg		110	70 - 130

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## QC Sample Results

Client: Ensolum  
Project/Site: FNR Mobley Pit

Job ID: 890-7809-1  
SDG: 32.296335,-103.924876

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

Lab Sample ID: LCS 880-105277/2-A

Matrix: Solid

Analysis Batch: 105297

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 105277

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	121		70 - 130
o-Terphenyl	119		70 - 130

Lab Sample ID: LCSD 880-105277/3-A

Matrix: Solid

Analysis Batch: 105297

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 105277

			Spike	LCSD	LCSD				%Rec			
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	1044		mg/Kg		104	70 - 130	4	20	
Diesel Range Organics (Over C10-C28)			1000	1089		mg/Kg		109	70 - 130	1	20	

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	123		70 - 130
o-Terphenyl	123		70 - 130

Lab Sample ID: 890-7809-1 MS

Matrix: Solid

Analysis Batch: 105297

Client Sample ID: SS10

Prep Type: Total/NA

Prep Batch: 105277

	Sample	Sample	Spike	MS	MS				%Rec			
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	997	814.9		mg/Kg		82	70 - 130			
Diesel Range Organics (Over C10-C28)	<49.7	U	997	759.5		mg/Kg		76	70 - 130			

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	125		70 - 130
o-Terphenyl	120		70 - 130

Lab Sample ID: 890-7809-1 MSD

Matrix: Solid

Analysis Batch: 105297

Client Sample ID: SS10

Prep Type: Total/NA

Prep Batch: 105277

	Sample	Sample	Spike	MSD	MSD				%Rec			
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	997	867.1		mg/Kg		87	70 - 130	6	20	
Diesel Range Organics (Over C10-C28)	<49.7	U	997	789.7		mg/Kg		79	70 - 130	4	20	

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	140	S1+	70 - 130
o-Terphenyl	131	S1+	70 - 130

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QC Sample Results

Client: Ensolum  
Project/Site: FNR Mobley Pit

Job ID: 890-7809-1  
SDG: 32.296335,-103.924876

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-105290/1-A Matrix: Solid Analysis Batch: 105303										Client Sample ID: Method Blank Prep Type: Soluble	
Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac			
Chloride	<10.0	U	10.0	mg/Kg			03/14/25 11:04	1			

Lab Sample ID: LCS 880-105290/2-A Matrix: Solid Analysis Batch: 105303										Client Sample ID: Lab Control Sample Prep Type: Soluble	
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	236.0		mg/Kg		94	90 - 110		

Lab Sample ID: LCSD 880-105290/3-A Matrix: Solid Analysis Batch: 105303										Client Sample ID: Lab Control Sample Dup Prep Type: Soluble	
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	237.6		mg/Kg		95	90 - 110	1	20

Lab Sample ID: 890-7809-4 MS Matrix: Solid Analysis Batch: 105303										Client Sample ID: FS19 Prep Type: Soluble	
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	1390		1250	2671		mg/Kg		103	90 - 110		

Lab Sample ID: 890-7809-4 MSD Matrix: Solid Analysis Batch: 105303										Client Sample ID: FS19 Prep Type: Soluble	
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1390		1250	2629		mg/Kg		100	90 - 110	2	20



QC Association Summary

Client: Ensolum  
Project/Site: FNR Mobley Pit

Job ID: 890-7809-1  
SDG: 32.296335,-103.924876

GC VOA

Analysis Batch: 105279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7809-1	SS10	Total/NA	Solid	8021B	105302
890-7809-2	FS17	Total/NA	Solid	8021B	105302
890-7809-3	FS18	Total/NA	Solid	8021B	105302
890-7809-4	FS19	Total/NA	Solid	8021B	105302
MB 880-105302/5-A	Method Blank	Total/NA	Solid	8021B	105302
LCS 880-105302/1-A	Lab Control Sample	Total/NA	Solid	8021B	105302
LCSD 880-105302/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	105302
890-7809-1 MS	SS10	Total/NA	Solid	8021B	105302
890-7809-1 MSD	SS10	Total/NA	Solid	8021B	105302

Prep Batch: 105302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7809-1	SS10	Total/NA	Solid	5035	
890-7809-2	FS17	Total/NA	Solid	5035	
890-7809-3	FS18	Total/NA	Solid	5035	
890-7809-4	FS19	Total/NA	Solid	5035	
MB 880-105302/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-105302/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-105302/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7809-1 MS	SS10	Total/NA	Solid	5035	
890-7809-1 MSD	SS10	Total/NA	Solid	5035	

Analysis Batch: 105405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7809-1	SS10	Total/NA	Solid	Total BTEX	
890-7809-2	FS17	Total/NA	Solid	Total BTEX	
890-7809-3	FS18	Total/NA	Solid	Total BTEX	
890-7809-4	FS19	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 105277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7809-1	SS10	Total/NA	Solid	8015NM Prep	
890-7809-2	FS17	Total/NA	Solid	8015NM Prep	
890-7809-3	FS18	Total/NA	Solid	8015NM Prep	
890-7809-4	FS19	Total/NA	Solid	8015NM Prep	
MB 880-105277/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-105277/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-105277/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7809-1 MS	SS10	Total/NA	Solid	8015NM Prep	
890-7809-1 MSD	SS10	Total/NA	Solid	8015NM Prep	

Analysis Batch: 105297

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7809-1	SS10	Total/NA	Solid	8015B NM	105277
890-7809-2	FS17	Total/NA	Solid	8015B NM	105277
890-7809-3	FS18	Total/NA	Solid	8015B NM	105277
890-7809-4	FS19	Total/NA	Solid	8015B NM	105277
MB 880-105277/1-A	Method Blank	Total/NA	Solid	8015B NM	105277
LCS 880-105277/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	105277

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QC Association Summary

Client: Ensolum  
Project/Site: FNR Mobley Pit

Job ID: 890-7809-1  
SDG: 32.296335,-103.924876

GC Semi VOA (Continued)

Analysis Batch: 105297 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-105277/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	105277
890-7809-1 MS	SS10	Total/NA	Solid	8015B NM	105277
890-7809-1 MSD	SS10	Total/NA	Solid	8015B NM	105277

Analysis Batch: 105333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7809-1	SS10	Total/NA	Solid	8015 NM	
890-7809-2	FS17	Total/NA	Solid	8015 NM	
890-7809-3	FS18	Total/NA	Solid	8015 NM	
890-7809-4	FS19	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 105290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7809-1	SS10	Soluble	Solid	DI Leach	
890-7809-2	FS17	Soluble	Solid	DI Leach	
890-7809-3	FS18	Soluble	Solid	DI Leach	
890-7809-4	FS19	Soluble	Solid	DI Leach	
MB 880-105290/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-105290/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-105290/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-7809-4 MS	FS19	Soluble	Solid	DI Leach	
890-7809-4 MSD	FS19	Soluble	Solid	DI Leach	

Analysis Batch: 105303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7809-1	SS10	Soluble	Solid	300.0	105290
890-7809-2	FS17	Soluble	Solid	300.0	105290
890-7809-3	FS18	Soluble	Solid	300.0	105290
890-7809-4	FS19	Soluble	Solid	300.0	105290
MB 880-105290/1-A	Method Blank	Soluble	Solid	300.0	105290
LCS 880-105290/2-A	Lab Control Sample	Soluble	Solid	300.0	105290
LCSD 880-105290/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	105290
890-7809-4 MS	FS19	Soluble	Solid	300.0	105290
890-7809-4 MSD	FS19	Soluble	Solid	300.0	105290



Lab Chronicle

Client: Ensolum  
Project/Site: FNR Mobley Pit

Job ID: 890-7809-1  
SDG: 32.296335,-103.924876

Client Sample ID: SS10  
Date Collected: 03/11/25 15:35  
Date Received: 03/13/25 08:11

Lab Sample ID: 890-7809-1  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	105302	03/14/25 09:51	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105279	03/14/25 12:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105405	03/14/25 12:10	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105333	03/14/25 11:48	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	105277	03/14/25 08:16	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105297	03/14/25 11:48	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	105290	03/14/25 09:15	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	105303	03/14/25 12:47	SMC	EET MID

Client Sample ID: FS17  
Date Collected: 03/12/25 14:09  
Date Received: 03/13/25 08:11

Lab Sample ID: 890-7809-2  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	105302	03/14/25 09:51	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105279	03/14/25 12:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105405	03/14/25 12:31	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105333	03/14/25 12:36	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	105277	03/14/25 08:16	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105297	03/14/25 12:36	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	105290	03/14/25 09:15	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	105303	03/14/25 12:54	SMC	EET MID

Client Sample ID: FS18  
Date Collected: 03/12/25 14:11  
Date Received: 03/13/25 08:11

Lab Sample ID: 890-7809-3  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	105302	03/14/25 09:51	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105279	03/14/25 12:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105405	03/14/25 12:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			105333	03/14/25 12:52	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	105277	03/14/25 08:16	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105297	03/14/25 12:52	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	105290	03/14/25 09:15	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	105303	03/14/25 13:02	SMC	EET MID

Client Sample ID: FS19  
Date Collected: 03/12/25 14:06  
Date Received: 03/13/25 08:11

Lab Sample ID: 890-7809-4  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	105302	03/14/25 09:51	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	105279	03/14/25 13:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			105405	03/14/25 13:12	AJ	EET MID

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Lab Chronicle

Client: Ensolum  
Project/Site: FNR Mobley Pit

Job ID: 890-7809-1  
SDG: 32.296335,-103.924876

Client Sample ID: FS19  
Date Collected: 03/12/25 14:06  
Date Received: 03/13/25 08:11

Lab Sample ID: 890-7809-4  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			105333	03/14/25 13:08	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	105277	03/14/25 08:16	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	105297	03/14/25 13:08	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	105290	03/14/25 09:15	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	105303	03/14/25 13:09	SMC	EET MID

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

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Accreditation/Certification Summary

Client: Ensolum  
Project/Site: FNR Mobley Pit

Job ID: 890-7809-1  
SDG: 32.296335,-103.924876

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX



Method Summary

Client: Ensolum  
Project/Site: FNR Mobley Pit

Job ID: 890-7809-1  
SDG: 32.296335,-103.924876

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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



Sample Summary

Client: Ensolum  
Project/Site: FNR Mobley Pit

Job ID: 890-7809-1  
SDG: 32.296335,-103.924876

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-7809-1	SS10	Solid	03/11/25 15:35	03/13/25 08:11	0.5'
890-7809-2	FS17	Solid	03/12/25 14:09	03/13/25 08:11	4'
890-7809-3	FS18	Solid	03/12/25 14:11	03/13/25 08:11	4'
890-7809-4	FS19	Solid	03/12/25 14:06	03/13/25 08:11	4'

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## Chain of Custody

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

Environment Testing  
Xenco



**Work Order No:**



## Chain of Custody

Program  
State of

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐



Deliverables: EDD ☐ ADaPT ☐ Other: \_\_\_\_\_

Project Manager:	Jeremy Reich	Bill to: (if different)	
Company Name:	Ensolum, LLC	Company Name:	
Address:	3122 National Parks Hwy	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	432-296-0627	Email:	jreich@ensolum.com

[illegible]

	Total	200.7 / 6010	200.8 / 6020:	
8RCRA	13PPM	Texas 11	Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mn Mo Ni K Se Ag SiO <sub>2</sub>	Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471				

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

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			8-11-13			
2						
3						
4						
5						
6						

Revised Date: 08/25/2020 Rev. 2020.2



## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-7809-1

SDG Number: 32.296335,-103.924876

Login Number: 7809

List Number: 1

Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-7809-1

SDG Number: 32.296335,-103.924876

Login Number: 7809

List Number: 2

Creator: Laing, Edmundo

List Source: Eurofins Midland

List Creation: 03/14/25 08:30 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	





Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Jeremy Reich

Ensolum

601 N. Marienfeld St.

Suite 400

Midland, Texas 79701

Generated 3/27/2025 6:53:58 PM

## JOB DESCRIPTION

FNR Mobley pit

03C2284005

## JOB NUMBER

890-7860-1

Eurofins Carlsbad  
1089 N Canal St.  
Carlsbad NM 88220

See page two for job notes and contact information.



# Eurofins Carlsbad

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Generated  
3/27/2025 6:53:58 PM

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



Client: Ensolum  
Project/Site: FNR Mobley pit

Laboratory Job ID: 890-7860-1  
SDG: 03C2284005

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Definitions/Glossary

Client: Ensolum  
Project/Site: FNR Mobley pit

Job ID: 890-7860-1  
SDG: 03C2284005

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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



## Case Narrative

Client: Ensolum  
Project: FNR Mobley pit

Job ID: 890-7860-1

**Job ID: 890-7860-1**

**Eurofins Carlsbad**

### Job Narrative 890-7860-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### Receipt

The samples were received on 3/26/2025 4:20 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.0°C.

#### Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: FS17A (890-7860-1), FS18A (890-7860-2), FS19A (890-7860-3), FS30 (890-7860-4) and FS31 (890-7860-5).

#### GC VOA

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

#### Diesel Range Organics

Method 8015MOD\_NM: The surrogate recovery for the blank associated with preparation batch 880-106065 and analytical batch 880-106122 was outside the upper control limits.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-106065/2-A), (LCSD 880-106065/3-A) and (890-7844-A-56-B MS). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: (890-7844-A-56-C MSD). Evidence of matrix interferences is not obvious.

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

#### HPLC/IC

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

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## Client Sample Results

Client: Ensolum  
Project/Site: FNR Mobley pit

Job ID: 890-7860-1  
SDG: 03C2284005

Client Sample ID: FS17A

Lab Sample ID: 890-7860-1

Date Collected: 03/26/25 14:57

Matrix: Solid

Date Received: 03/26/25 16:20

Sample Depth: 8

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/26/25 22:16	03/27/25 04:28	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/26/25 22:16	03/27/25 04:28	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/26/25 22:16	03/27/25 04:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/26/25 22:16	03/27/25 04:28	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/26/25 22:16	03/27/25 04:28	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/26/25 22:16	03/27/25 04:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	03/26/25 22:16	03/27/25 04:28	1
1,4-Difluorobenzene (Surr)	96		70 - 130	03/26/25 22:16	03/27/25 04:28	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/27/25 04:28	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			03/27/25 02:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		03/26/25 07:04	03/27/25 02:26	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		03/26/25 07:04	03/27/25 02:26	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		03/26/25 07:04	03/27/25 02:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130	03/26/25 07:04	03/27/25 02:26	1
o-Terphenyl	117		70 - 130	03/26/25 07:04	03/27/25 02:26	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	850		10.1	mg/Kg			03/27/25 16:52	1

Client Sample ID: FS18A

Lab Sample ID: 890-7860-2

Date Collected: 03/26/25 13:55

Matrix: Solid

Date Received: 03/26/25 16:20

Sample Depth: 10

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		03/26/25 22:16	03/27/25 04:49	1
Toluene	<0.00201	U	0.00201	mg/Kg		03/26/25 22:16	03/27/25 04:49	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/26/25 22:16	03/27/25 04:49	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		03/26/25 22:16	03/27/25 04:49	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/26/25 22:16	03/27/25 04:49	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/26/25 22:16	03/27/25 04:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	03/26/25 22:16	03/27/25 04:49	1

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## Client Sample Results

Client: Ensolum  
Project/Site: FNR Mobley pit

Job ID: 890-7860-1  
SDG: 03C2284005

Client Sample ID: FS18A

Lab Sample ID: 890-7860-2

Date Collected: 03/26/25 13:55

Matrix: Solid

Date Received: 03/26/25 16:20

Sample Depth: 10

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	94		70 - 130	03/26/25 22:16	03/27/25 04:49	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			03/27/25 04:49	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/27/25 02:43	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/26/25 07:04	03/27/25 02:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/26/25 07:04	03/27/25 02:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/26/25 07:04	03/27/25 02:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130			03/26/25 07:04	03/27/25 02:43	1
o-Terphenyl	126		70 - 130			03/26/25 07:04	03/27/25 02:43	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	574		9.94	mg/Kg			03/27/25 17:14	1

Client Sample ID: FS19A

Lab Sample ID: 890-7860-3

Date Collected: 03/26/25 13:58

Matrix: Solid

Date Received: 03/26/25 16:20

Sample Depth: 8

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		03/26/25 22:16	03/27/25 05:09	1
Toluene	<0.00202	U	0.00202	mg/Kg		03/26/25 22:16	03/27/25 05:09	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		03/26/25 22:16	03/27/25 05:09	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		03/26/25 22:16	03/27/25 05:09	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		03/26/25 22:16	03/27/25 05:09	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		03/26/25 22:16	03/27/25 05:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	03/26/25 22:16	03/27/25 05:09	1
1,4-Difluorobenzene (Surr)	100		70 - 130	03/26/25 22:16	03/27/25 05:09	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			03/27/25 05:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/27/25 02:59	1

Eurofins Carlsbad



## Client Sample Results

Client: Ensolum  
Project/Site: FNR Mobley pit

Job ID: 890-7860-1  
SDG: 03C2284005

Client Sample ID: FS19A

Lab Sample ID: 890-7860-3

Date Collected: 03/26/25 13:58

Matrix: Solid

Date Received: 03/26/25 16:20

Sample Depth: 8

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/26/25 07:04	03/27/25 02:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/26/25 07:04	03/27/25 02:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/26/25 07:04	03/27/25 02:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130			03/26/25 07:04	03/27/25 02:59	1
o-Terphenyl	102		70 - 130			03/26/25 07:04	03/27/25 02:59	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	775		9.98	mg/Kg			03/27/25 17:21	1

Client Sample ID: FS30

Lab Sample ID: 890-7860-4

Date Collected: 03/26/25 13:54

Matrix: Solid

Date Received: 03/26/25 16:20

Sample Depth: 10

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/26/25 22:16	03/27/25 05:30	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/26/25 22:16	03/27/25 05:30	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/26/25 22:16	03/27/25 05:30	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		03/26/25 22:16	03/27/25 05:30	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/26/25 22:16	03/27/25 05:30	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		03/26/25 22:16	03/27/25 05:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130			03/26/25 22:16	03/27/25 05:30	1
1,4-Difluorobenzene (Surr)	97		70 - 130			03/26/25 22:16	03/27/25 05:30	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			03/27/25 05:30	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/27/25 03:15	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/26/25 07:04	03/27/25 03:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/26/25 07:04	03/27/25 03:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/26/25 07:04	03/27/25 03:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130			03/26/25 07:04	03/27/25 03:15	1
o-Terphenyl	107		70 - 130			03/26/25 07:04	03/27/25 03:15	1

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## Client Sample Results

Client: Ensolum  
Project/Site: FNR Mobley pit

Job ID: 890-7860-1  
SDG: 03C2284005

## Client Sample ID: FS30

## Lab Sample ID: 890-7860-4

Date Collected: 03/26/25 13:54

Matrix: Solid

Date Received: 03/26/25 16:20

Sample Depth: 10

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	548		10.0	mg/Kg			03/27/25 17:28	1

## Client Sample ID: FS31

## Lab Sample ID: 890-7860-5

Date Collected: 03/26/25 13:57

Matrix: Solid

Date Received: 03/26/25 16:20

Sample Depth: 10

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		03/26/25 22:16	03/27/25 06:53	1
Toluene	<0.00201	U	0.00201	mg/Kg		03/26/25 22:16	03/27/25 06:53	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/26/25 22:16	03/27/25 06:53	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		03/26/25 22:16	03/27/25 06:53	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/26/25 22:16	03/27/25 06:53	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/26/25 22:16	03/27/25 06:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130			03/26/25 22:16	03/27/25 06:53	1
1,4-Difluorobenzene (Surr)	95		70 - 130			03/26/25 22:16	03/27/25 06:53	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			03/27/25 06:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1	mg/Kg			03/27/25 03:31	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1	mg/Kg		03/26/25 07:04	03/27/25 03:31	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		03/26/25 07:04	03/27/25 03:31	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		03/26/25 07:04	03/27/25 03:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130			03/26/25 07:04	03/27/25 03:31	1
o-Terphenyl	106		70 - 130			03/26/25 07:04	03/27/25 03:31	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	591		9.94	mg/Kg			03/27/25 17:35	1

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## Surrogate Summary

Client: Ensolum  
Project/Site: FNR Mobley pit

Job ID: 890-7860-1  
SDG: 03C2284005

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-7859-A-61-E MS	Matrix Spike	97	102
890-7859-A-61-G MSD	Matrix Spike Duplicate	103	102
890-7860-1	FS17A	112	96
890-7860-2	FS18A	113	94
890-7860-3	FS19A	121	100
890-7860-4	FS30	113	97
890-7860-5	FS31	121	95
LCS 880-106154/1-A	Lab Control Sample	102	100
LCSD 880-106154/2-A	Lab Control Sample Dup	103	100
MB 880-106120/5-A	Method Blank	107	85
MB 880-106154/5-A	Method Blank	115	93
<b>Surrogate Legend</b>			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-7844-A-56-B MS	Matrix Spike	135 S1+	131 S1+
890-7844-A-56-C MSD	Matrix Spike Duplicate	119	132 S1+
890-7860-1	FS17A	118	117
890-7860-2	FS18A	129	126
890-7860-3	FS19A	105	102
890-7860-4	FS30	112	107
890-7860-5	FS31	110	106
LCS 880-106065/2-A	Lab Control Sample	162 S1+	150 S1+
LCSD 880-106065/3-A	Lab Control Sample Dup	134 S1+	145 S1+
MB 880-106065/1-A	Method Blank	163 S1+	163 S1+
<b>Surrogate Legend</b>			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			



## QC Sample Results

Client: Ensolum  
Project/Site: FNR Mobley pit

Job ID: 890-7860-1  
SDG: 03C2284005

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

Lab Sample ID: MB 880-106120/5-A

Matrix: Solid

Analysis Batch: 106081

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 106120

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/26/25 13:53	03/26/25 15:27	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/26/25 13:53	03/26/25 15:27	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/26/25 13:53	03/26/25 15:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/26/25 13:53	03/26/25 15:27	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/26/25 13:53	03/26/25 15:27	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/26/25 13:53	03/26/25 15:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	03/26/25 13:53	03/26/25 15:27	1
1,4-Difluorobenzene (Surr)	85		70 - 130	03/26/25 13:53	03/26/25 15:27	1

Lab Sample ID: MB 880-106154/5-A

Matrix: Solid

Analysis Batch: 106081

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 106154

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/26/25 22:16	03/27/25 02:04	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/26/25 22:16	03/27/25 02:04	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/26/25 22:16	03/27/25 02:04	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/26/25 22:16	03/27/25 02:04	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/26/25 22:16	03/27/25 02:04	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/26/25 22:16	03/27/25 02:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	03/26/25 22:16	03/27/25 02:04	1
1,4-Difluorobenzene (Surr)	93		70 - 130	03/26/25 22:16	03/27/25 02:04	1

Lab Sample ID: LCS 880-106154/1-A

Matrix: Solid

Analysis Batch: 106081

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 106154

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1051		mg/Kg		105	70 - 130
Toluene	0.100	0.1068		mg/Kg		107	70 - 130
Ethylbenzene	0.100	0.09846		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	0.200	0.1979		mg/Kg		99	70 - 130
o-Xylene	0.100	0.1012		mg/Kg		101	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-106154/2-A

Matrix: Solid

Analysis Batch: 106081

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 106154

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1116		mg/Kg		112	70 - 130	6	35

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## QC Sample Results

Client: Ensolum  
Project/Site: FNR Mobley pit

Job ID: 890-7860-1  
SDG: 03C2284005

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

Lab Sample ID: LCSD 880-106154/2-A

Matrix: Solid

Analysis Batch: 106081

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 106154

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Toluene	0.100	0.1103		mg/Kg		110	70 - 130	3		35
Ethylbenzene	0.100	0.1013		mg/Kg		101	70 - 130	3		35
m-Xylene & p-Xylene	0.200	0.2023		mg/Kg		101	70 - 130	2		35
o-Xylene	0.100	0.1040		mg/Kg		104	70 - 130	3		35

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 890-7859-A-61-E MS

Matrix: Solid

Analysis Batch: 106081

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 106154

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec	
									Limits	RPD
Benzene	<0.00198	U	0.101	0.1028		mg/Kg		102	70 - 130	
Toluene	<0.00198	U	0.101	0.1007		mg/Kg		100	70 - 130	
Ethylbenzene	<0.00198	U	0.101	0.09168		mg/Kg		91	70 - 130	
m-Xylene & p-Xylene	<0.00397	U	0.201	0.1825		mg/Kg		91	70 - 130	
o-Xylene	<0.00198	U	0.101	0.09283		mg/Kg		92	70 - 130	

Surrogate	MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 890-7859-A-61-G MSD

Matrix: Solid

Analysis Batch: 106081

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 106154

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
Benzene	<0.00198	U	0.100	0.09659		mg/Kg		96	70 - 130	6		35
Toluene	<0.00198	U	0.100	0.09721		mg/Kg		97	70 - 130	4		35
Ethylbenzene	<0.00198	U	0.100	0.08935		mg/Kg		89	70 - 130	3		35
m-Xylene & p-Xylene	<0.00397	U	0.200	0.1795		mg/Kg		90	70 - 130	2		35
o-Xylene	<0.00198	U	0.100	0.09160		mg/Kg		91	70 - 130	1		35

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

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

Lab Sample ID: MB 880-106065/1-A

Matrix: Solid

Analysis Batch: 106122

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 106065

Analyte	MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/26/25 07:03	03/26/25 11:43	1

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## QC Sample Results

Client: Ensolum  
Project/Site: FNR Mobley pit

Job ID: 890-7860-1  
SDG: 03C2284005

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

Lab Sample ID: MB 880-106065/1-A

Matrix: Solid

Analysis Batch: 106122

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 106065

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/26/25 07:03	03/26/25 11:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/26/25 07:03	03/26/25 11:43	1
Surrogate	MB	MB	Limits			Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier						
1-Chlorooctane	163	S1+	70 - 130			03/26/25 07:03	03/26/25 11:43	1
o-Terphenyl	163	S1+	70 - 130			03/26/25 07:03	03/26/25 11:43	1

Lab Sample ID: LCS 880-106065/2-A

Matrix: Solid

Analysis Batch: 106122

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 106065

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics (GRO)-C6-C10	1000	1171		mg/Kg		117	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	1209		mg/Kg		121	70 - 130	
Surrogate	LCS	LCS	Limits					
	%Recovery	Qualifier						
1-Chlorooctane	162	S1+	70 - 130					
o-Terphenyl	150	S1+	70 - 130					

Lab Sample ID: LCSD 880-106065/3-A

Matrix: Solid

Analysis Batch: 106122

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 106065

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1160		mg/Kg		116	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	1233		mg/Kg		123	70 - 130	2	20
Surrogate	LCSD	LCSD	Limits						
	%Recovery	Qualifier							
1-Chlorooctane	134	S1+	70 - 130						
o-Terphenyl	145	S1+	70 - 130						

Lab Sample ID: 890-7844-A-56-B MS

Matrix: Solid

Analysis Batch: 106122

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 106065

Analyte	Sample	Sample	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
	Result	Qualifier								
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	1010	895.6		mg/Kg		89	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.7	U	1010	957.0		mg/Kg		92	70 - 130	
Surrogate	MS	MS	Limits							
	%Recovery	Qualifier								
1-Chlorooctane	135	S1+	70 - 130							
o-Terphenyl	131	S1+	70 - 130							

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## QC Sample Results

Client: Ensolum  
Project/Site: FNR Mobley pit

Job ID: 890-7860-1  
SDG: 03C2284005

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

Lab Sample ID: 890-7844-A-56-C MSD

Matrix: Solid

Analysis Batch: 106122

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 106065

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	1010	938.7		mg/Kg		93	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<49.7	U	1010	1057		mg/Kg		102	70 - 130	10	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	119		70 - 130								
o-Terphenyl	132	S1+	70 - 130								

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-106177/1-A

Matrix: Solid

Analysis Batch: 106190

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	mg/Kg			03/27/25 14:21	1

Lab Sample ID: LCS 880-106177/2-A

Matrix: Solid

Analysis Batch: 106190

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	255.8		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-106177/3-A

Matrix: Solid

Analysis Batch: 106190

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	253.8		mg/Kg		102	90 - 110	1	20

Lab Sample ID: 890-7859-A-65-E MS

Matrix: Solid

Analysis Batch: 106190

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	258		249	504.1		mg/Kg		99	90 - 110

Lab Sample ID: 890-7859-A-65-F MSD

Matrix: Solid

Analysis Batch: 106190

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	258		249	500.4		mg/Kg		97	90 - 110	1	20

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## QC Association Summary

Client: Ensolum  
Project/Site: FNR Mobley pit

Job ID: 890-7860-1  
SDG: 03C2284005

## GC VOA

## Analysis Batch: 106081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7860-1	FS17A	Total/NA	Solid	8021B	106154
890-7860-2	FS18A	Total/NA	Solid	8021B	106154
890-7860-3	FS19A	Total/NA	Solid	8021B	106154
890-7860-4	FS30	Total/NA	Solid	8021B	106154
890-7860-5	FS31	Total/NA	Solid	8021B	106154
MB 880-106120/5-A	Method Blank	Total/NA	Solid	8021B	106120
MB 880-106154/5-A	Method Blank	Total/NA	Solid	8021B	106154
LCS 880-106154/1-A	Lab Control Sample	Total/NA	Solid	8021B	106154
LCSD 880-106154/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	106154
890-7859-A-61-E MS	Matrix Spike	Total/NA	Solid	8021B	106154
890-7859-A-61-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	106154

## Prep Batch: 106120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-106120/5-A	Method Blank	Total/NA	Solid	5035	

## Prep Batch: 106154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7860-1	FS17A	Total/NA	Solid	5035	
890-7860-2	FS18A	Total/NA	Solid	5035	
890-7860-3	FS19A	Total/NA	Solid	5035	
890-7860-4	FS30	Total/NA	Solid	5035	
890-7860-5	FS31	Total/NA	Solid	5035	
MB 880-106154/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-106154/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-106154/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7859-A-61-E MS	Matrix Spike	Total/NA	Solid	5035	
890-7859-A-61-G MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

## Analysis Batch: 106249

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7860-1	FS17A	Total/NA	Solid	Total BTEX	
890-7860-2	FS18A	Total/NA	Solid	Total BTEX	
890-7860-3	FS19A	Total/NA	Solid	Total BTEX	
890-7860-4	FS30	Total/NA	Solid	Total BTEX	
890-7860-5	FS31	Total/NA	Solid	Total BTEX	

## GC Semi VOA

## Prep Batch: 106065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7860-1	FS17A	Total/NA	Solid	8015NM Prep	
890-7860-2	FS18A	Total/NA	Solid	8015NM Prep	
890-7860-3	FS19A	Total/NA	Solid	8015NM Prep	
890-7860-4	FS30	Total/NA	Solid	8015NM Prep	
890-7860-5	FS31	Total/NA	Solid	8015NM Prep	
MB 880-106065/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-106065/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-106065/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7844-A-56-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7844-A-56-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

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## QC Association Summary

Client: Ensolum  
Project/Site: FNR Mobley pit

Job ID: 890-7860-1  
SDG: 03C2284005

## GC Semi VOA

## Analysis Batch: 106122

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7860-1	FS17A	Total/NA	Solid	8015B NM	106065
890-7860-2	FS18A	Total/NA	Solid	8015B NM	106065
890-7860-3	FS19A	Total/NA	Solid	8015B NM	106065
890-7860-4	FS30	Total/NA	Solid	8015B NM	106065
890-7860-5	FS31	Total/NA	Solid	8015B NM	106065
MB 880-106065/1-A	Method Blank	Total/NA	Solid	8015B NM	106065
LCS 880-106065/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	106065
LCSD 880-106065/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	106065
890-7844-A-56-B MS	Matrix Spike	Total/NA	Solid	8015B NM	106065
890-7844-A-56-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	106065

## Analysis Batch: 106235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7860-1	FS17A	Total/NA	Solid	8015 NM	
890-7860-2	FS18A	Total/NA	Solid	8015 NM	
890-7860-3	FS19A	Total/NA	Solid	8015 NM	
890-7860-4	FS30	Total/NA	Solid	8015 NM	
890-7860-5	FS31	Total/NA	Solid	8015 NM	

## HPLC/IC

## Leach Batch: 106177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7860-1	FS17A	Soluble	Solid	DI Leach	
890-7860-2	FS18A	Soluble	Solid	DI Leach	
890-7860-3	FS19A	Soluble	Solid	DI Leach	
890-7860-4	FS30	Soluble	Solid	DI Leach	
890-7860-5	FS31	Soluble	Solid	DI Leach	
MB 880-106177/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-106177/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-106177/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-7859-A-65-E MS	Matrix Spike	Soluble	Solid	DI Leach	
890-7859-A-65-F MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

## Analysis Batch: 106190

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7860-1	FS17A	Soluble	Solid	300.0	106177
890-7860-2	FS18A	Soluble	Solid	300.0	106177
890-7860-3	FS19A	Soluble	Solid	300.0	106177
890-7860-4	FS30	Soluble	Solid	300.0	106177
890-7860-5	FS31	Soluble	Solid	300.0	106177
MB 880-106177/1-A	Method Blank	Soluble	Solid	300.0	106177
LCS 880-106177/2-A	Lab Control Sample	Soluble	Solid	300.0	106177
LCSD 880-106177/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	106177
890-7859-A-65-E MS	Matrix Spike	Soluble	Solid	300.0	106177
890-7859-A-65-F MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	106177

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Lab Chronicle

Client: Ensolum  
Project/Site: FNR Mobley pit

Job ID: 890-7860-1  
SDG: 03C2284005

Client Sample ID: FS17A  
Date Collected: 03/26/25 14:57  
Date Received: 03/26/25 16:20

Lab Sample ID: 890-7860-1  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	106154	03/26/25 22:16	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	106081	03/27/25 04:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			106249	03/27/25 04:28	AJ	EET MID
Total/NA	Analysis	8015 NM		1			106235	03/27/25 02:26	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	106065	03/26/25 07:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	106122	03/27/25 02:26	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	106177	03/27/25 09:22	SA	EET MID
Soluble	Analysis	300.0		1			106190	03/27/25 16:52	SMC	EET MID

Client Sample ID: FS18A  
Date Collected: 03/26/25 13:55  
Date Received: 03/26/25 16:20

Lab Sample ID: 890-7860-2  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	106154	03/26/25 22:16	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	106081	03/27/25 04:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			106249	03/27/25 04:49	AJ	EET MID
Total/NA	Analysis	8015 NM		1			106235	03/27/25 02:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	106065	03/26/25 07:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	106122	03/27/25 02:43	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	106177	03/27/25 09:22	SA	EET MID
Soluble	Analysis	300.0		1			106190	03/27/25 17:14	SMC	EET MID

Client Sample ID: FS19A  
Date Collected: 03/26/25 13:58  
Date Received: 03/26/25 16:20

Lab Sample ID: 890-7860-3  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	106154	03/26/25 22:16	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	106081	03/27/25 05:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			106249	03/27/25 05:09	AJ	EET MID
Total/NA	Analysis	8015 NM		1			106235	03/27/25 02:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	106065	03/26/25 07:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	106122	03/27/25 02:59	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	106177	03/27/25 09:22	SA	EET MID
Soluble	Analysis	300.0		1			106190	03/27/25 17:21	SMC	EET MID

Client Sample ID: FS30  
Date Collected: 03/26/25 13:54  
Date Received: 03/26/25 16:20

Lab Sample ID: 890-7860-4  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	106154	03/26/25 22:16	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	106081	03/27/25 05:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			106249	03/27/25 05:30	AJ	EET MID

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Lab Chronicle

Client: Ensolum  
Project/Site: FNR Mobley pit

Job ID: 890-7860-1  
SDG: 03C2284005

Client Sample ID: FS30  
Date Collected: 03/26/25 13:54  
Date Received: 03/26/25 16:20

Lab Sample ID: 890-7860-4  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			106235	03/27/25 03:15	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	106065	03/26/25 07:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	106122	03/27/25 03:15	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	106177	03/27/25 09:22	SA	EET MID
Soluble	Analysis	300.0		1			106190	03/27/25 17:28	SMC	EET MID

Client Sample ID: FS31  
Date Collected: 03/26/25 13:57  
Date Received: 03/26/25 16:20

Lab Sample ID: 890-7860-5  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	106154	03/26/25 22:16	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	106081	03/27/25 06:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			106249	03/27/25 06:53	AJ	EET MID
Total/NA	Analysis	8015 NM		1			106235	03/27/25 03:31	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	106065	03/26/25 07:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	106122	03/27/25 03:31	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	106177	03/27/25 09:22	SA	EET MID
Soluble	Analysis	300.0		1			106190	03/27/25 17:35	SMC	EET MID

Laboratory References:

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



Accreditation/Certification Summary

Client: Ensolum  
Project/Site: FNR Mobley pit

Job ID: 890-7860-1  
SDG: 03C2284005

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX



Method Summary

Client: Ensolum  
Project/Site: FNR Mobley pit

Job ID: 890-7860-1  
SDG: 03C2284005

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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



Sample Summary

Client: Ensolum  
Project/Site: FNR Mobley pit

Job ID: 890-7860-1  
SDG: 03C2284005

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-7860-1	FS17A	Solid	03/26/25 14:57	03/26/25 16:20	8
890-7860-2	FS18A	Solid	03/26/25 13:55	03/26/25 16:20	10
890-7860-3	FS19A	Solid	03/26/25 13:58	03/26/25 16:20	8
890-7860-4	FS30	Solid	03/26/25 13:54	03/26/25 16:20	10
890-7860-5	FS31	Solid	03/26/25 13:57	03/26/25 16:20	10

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## Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
 Midland, TX (432) 706-5440, San Antonio, TX (210) 509-3334  
 El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296  
 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199



Environment Testing

Xenco



890-7860 Chain of Custody

Page 1 of 1

Project Manager: <b>Jeremy Reich</b>		Bill To: (if different)	
Company Name: <b>ENSO LUM, LLC</b>		Company Name:	
Address: <b>3122 National Parks Hwy</b>		Address:	
City, State ZIP: <b>Carlsbad, NM 88220</b>		City, State ZIP:	
Phone: <b>432-296-0627</b>		Email: <b>jreich@ensolum.com / a.ferre@ensolum.com</b>	

Project Name: <b>FNR Mobley Pit</b>		Turn Around	
Project Number: <b>03C2284005</b>		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush 24-Hr	
Project Location: <b>32.296335, -103.44876</b>		Due Date: <b>3/27/25</b>	
Sampler's Name: <b>Alex Ferrell</b>		TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT		Temp Blank: <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Wet Ice: <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Samples Received Intact: <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Thermometer ID: <b>111111</b>			
Cooler Custody Seals: <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Correction Factor: <b>0.2</b>			
Sample Custody Seals: <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Temperature Reading: <b>7.2</b>			
Total Containers: <b>7.0</b>		Corrected Temperature: <b>7.0</b>			

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	Pres. Code	ANALYSIS REQUEST	Preservative Codes
FS17A	S	3/26/25	1957	8	C	1	✓			None: NO Cool: Cool HCL: HC H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> H <sub>3</sub> PO <sub>4</sub> : HP NaHSO <sub>4</sub> : NABIS Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC
FS18A	S	3/26/25	1355	10	C	1	✓			
FS19A	S	3/26/25	1358	8	C	1	✓			
FS30	S	3/26/25	1354	10	C	1	✓			
FS31	S	3/26/25	1357	10	C	1	✓			

Total 200.7 / 6010	200.8 / 6020:	8RCRA 13PPM Texas 11	Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed	TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U	Hg: 1631 / 245.1 / 7470 / 7471	

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

Relinquished by: (Signature)	Received by: (Signature)	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Date/Time
				3/26/25 1620	

Revised Date: 08/25/2020 Rev. 2020.2



## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-7860-1

SDG Number: 03C2284005

Login Number: 7860

List Number: 1

Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	N/A	Refer to Job Narrative for details.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-7860-1

SDG Number: 03C2284005

Login Number: 7860

List Number: 2

Creator: Rios, Minerva

List Source: Eurofins Midland

List Creation: 03/27/25 08:26 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	





Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Jeremy Reich

Ensolum

601 N. Marienfeld St.

Suite 400

Midland, Texas 79701

Generated 3/31/2025 3:23:36 PM

## JOB DESCRIPTION

FNR Mobley pit

## JOB NUMBER

890-7861-1

Eurofins Carlsbad  
1089 N Canal St.  
Carlsbad NM 88220

See page two for job notes and contact information.





# Eurofins Carlsbad

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Generated  
3/31/2025 3:23:36 PM

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



Client: Ensolum  
Project/Site: FNR Mobley pit

Laboratory Job ID: 890-7861-1

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Definitions/Glossary

Client: Ensolum  
Project/Site: FNR Mobley pit

Job ID: 890-7861-1

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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



## Case Narrative

Client: Ensolum  
Project: FNR Mobley pit

Job ID: 890-7861-1

**Job ID: 890-7861-1**

**Eurofins Carlsbad**

### Job Narrative 890-7861-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### Receipt

The samples were received on 3/26/2025 4:20 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.0°C.

#### Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: FS24A (890-7861-1), FS25 (890-7861-2), FS26 (890-7861-3), FS27A (890-7861-4), FS28 (890-7861-5) and FS29A (890-7861-6).

#### GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: (CCV 880-106171/20). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

#### Diesel Range Organics

Method 8015MOD\_NM: The method blank for preparation batch 880-106150 and analytical batch 880-106362 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-106150/2-A), (LCS 880-106198/2-A), (LCSD 880-106150/3-A), (LCSD 880-106198/3-A) and (890-7845-A-4-F MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: FS24A (890-7861-1), FS25 (890-7861-2), FS26 (890-7861-3), FS27A (890-7861-4), FS28 (890-7861-5), FS29A (890-7861-6), (890-7861-A-5-C MS) and (890-7861-A-5-D MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: The surrogate recovery for the blank associated with preparation batch 880-106198 and analytical batch 880-106362 was outside the upper control limits.

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

#### HPLC/IC

Method 300\_ORGFM\_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-106443 and analytical batch 880-106463 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

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## Client Sample Results

Client: Ensolum  
Project/Site: FNR Mobley pit

Job ID: 890-7861-1

Client Sample ID: FS24A

Lab Sample ID: 890-7861-1

Date Collected: 03/26/25 10:42

Matrix: Solid

Date Received: 03/26/25 16:20

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/27/25 09:46	03/27/25 17:48	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/27/25 09:46	03/27/25 17:48	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/27/25 09:46	03/27/25 17:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/27/25 09:46	03/27/25 17:48	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/27/25 09:46	03/27/25 17:48	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/27/25 09:46	03/27/25 17:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	03/27/25 09:46	03/27/25 17:48	1
1,4-Difluorobenzene (Surr)	92		70 - 130	03/27/25 09:46	03/27/25 17:48	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/27/25 17:48	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	mg/Kg			03/28/25 23:12	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	mg/Kg		03/26/25 20:48	03/28/25 23:12	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		03/26/25 20:48	03/28/25 23:12	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		03/26/25 20:48	03/28/25 23:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	152	S1+	70 - 130	03/26/25 20:48	03/28/25 23:12	1
o-Terphenyl	156	S1+	70 - 130	03/26/25 20:48	03/28/25 23:12	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	285		9.92	mg/Kg			03/31/25 13:01	1

Client Sample ID: FS25

Lab Sample ID: 890-7861-2

Date Collected: 03/26/25 10:48

Matrix: Solid

Date Received: 03/26/25 16:20

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/27/25 09:46	03/27/25 18:08	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/27/25 09:46	03/27/25 18:08	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/27/25 09:46	03/27/25 18:08	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		03/27/25 09:46	03/27/25 18:08	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/27/25 09:46	03/27/25 18:08	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		03/27/25 09:46	03/27/25 18:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	03/27/25 09:46	03/27/25 18:08	1

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## Client Sample Results

Client: Ensolum  
Project/Site: FNR Mobley pit

Job ID: 890-7861-1

Client Sample ID: FS25

Lab Sample ID: 890-7861-2

Date Collected: 03/26/25 10:48

Matrix: Solid

Date Received: 03/26/25 16:20

Sample Depth: 4

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	94		70 - 130	03/27/25 09:46	03/27/25 18:08	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			03/27/25 18:08	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3	mg/Kg			03/28/25 23:29	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3	mg/Kg		03/26/25 20:48	03/28/25 23:29	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3	mg/Kg		03/26/25 20:48	03/28/25 23:29	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3	mg/Kg		03/26/25 20:48	03/28/25 23:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	166	S1+	70 - 130			03/26/25 20:48	03/28/25 23:29	1
o-Terphenyl	170	S1+	70 - 130			03/26/25 20:48	03/28/25 23:29	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	244		9.96	mg/Kg			03/31/25 13:07	1

Client Sample ID: FS26

Lab Sample ID: 890-7861-3

Date Collected: 03/26/25 10:55

Matrix: Solid

Date Received: 03/26/25 16:20

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/27/25 09:46	03/27/25 18:28	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/27/25 09:46	03/27/25 18:28	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/27/25 09:46	03/27/25 18:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/27/25 09:46	03/27/25 18:28	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/27/25 09:46	03/27/25 18:28	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/27/25 09:46	03/27/25 18:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130			03/27/25 09:46	03/27/25 18:28	1
1,4-Difluorobenzene (Surr)	94		70 - 130			03/27/25 09:46	03/27/25 18:28	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			03/27/25 18:28	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			03/28/25 23:45	1

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## Client Sample Results

Client: Ensolum  
Project/Site: FNR Mobley pit

Job ID: 890-7861-1

## Client Sample ID: FS26

Lab Sample ID: 890-7861-3

Date Collected: 03/26/25 10:55

Matrix: Solid

Date Received: 03/26/25 16:20

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/26/25 20:48	03/28/25 23:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/26/25 20:48	03/28/25 23:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/26/25 20:48	03/28/25 23:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	187	S1+	70 - 130			03/26/25 20:48	03/28/25 23:45	1
o-Terphenyl	188	S1+	70 - 130			03/26/25 20:48	03/28/25 23:45	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	435		9.94	mg/Kg			03/31/25 13:12	1

## Client Sample ID: FS27A

Lab Sample ID: 890-7861-4

Date Collected: 03/26/25 11:00

Matrix: Solid

Date Received: 03/26/25 16:20

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/27/25 09:46	03/27/25 18:49	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/27/25 09:46	03/27/25 18:49	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/27/25 09:46	03/27/25 18:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/27/25 09:46	03/27/25 18:49	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/27/25 09:46	03/27/25 18:49	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/27/25 09:46	03/27/25 18:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130			03/27/25 09:46	03/27/25 18:49	1
1,4-Difluorobenzene (Surr)	96		70 - 130			03/27/25 09:46	03/27/25 18:49	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			03/27/25 18:49	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<55.2	U	55.2	mg/Kg			03/29/25 00:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<55.2	U	55.2	mg/Kg		03/26/25 20:48	03/29/25 00:02	1
Diesel Range Organics (Over C10-C28)	<55.2	U	55.2	mg/Kg		03/26/25 20:48	03/29/25 00:02	1
Oil Range Organics (Over C28-C36)	<55.2	U	55.2	mg/Kg		03/26/25 20:48	03/29/25 00:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	239	S1+	70 - 130			03/26/25 20:48	03/29/25 00:02	1
o-Terphenyl	245	S1+	70 - 130			03/26/25 20:48	03/29/25 00:02	1

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## Client Sample Results

Client: Ensolum  
Project/Site: FNR Mobley pit

Job ID: 890-7861-1

## Client Sample ID: FS27A

Lab Sample ID: 890-7861-4

Date Collected: 03/26/25 11:00

Matrix: Solid

Date Received: 03/26/25 16:20

Sample Depth: 4

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	462		9.90	mg/Kg			03/31/25 13:18	1

## Client Sample ID: FS28

Lab Sample ID: 890-7861-5

Date Collected: 03/26/25 11:05

Matrix: Solid

Date Received: 03/26/25 16:20

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/27/25 09:46	03/27/25 19:09	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/27/25 09:46	03/27/25 19:09	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/27/25 09:46	03/27/25 19:09	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		03/27/25 09:46	03/27/25 19:09	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/27/25 09:46	03/27/25 19:09	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		03/27/25 09:46	03/27/25 19:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130			03/27/25 09:46	03/27/25 19:09	1
1,4-Difluorobenzene (Surr)	98		70 - 130			03/27/25 09:46	03/27/25 19:09	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			03/27/25 19:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	mg/Kg			03/29/25 02:14	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	mg/Kg		03/27/25 12:15	03/29/25 02:14	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		03/27/25 12:15	03/29/25 02:14	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		03/27/25 12:15	03/29/25 02:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	154	S1+	70 - 130			03/27/25 12:15	03/29/25 02:14	1
o-Terphenyl	159	S1+	70 - 130			03/27/25 12:15	03/29/25 02:14	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	339		9.90	mg/Kg			03/31/25 13:24	1

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## Client Sample Results

Client: Ensolum  
Project/Site: FNR Mobley pit

Job ID: 890-7861-1

Client Sample ID: FS29A

Lab Sample ID: 890-7861-6

Date Collected: 03/26/25 11:10

Matrix: Solid

Date Received: 03/26/25 16:20

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/27/25 09:46	03/27/25 19:30	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/27/25 09:46	03/27/25 19:30	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/27/25 09:46	03/27/25 19:30	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		03/27/25 09:46	03/27/25 19:30	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/27/25 09:46	03/27/25 19:30	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		03/27/25 09:46	03/27/25 19:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130			03/27/25 09:46	03/27/25 19:30	1
1,4-Difluorobenzene (Surr)	97		70 - 130			03/27/25 09:46	03/27/25 19:30	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			03/27/25 19:30	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	mg/Kg			03/29/25 03:03	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6	mg/Kg		03/27/25 12:15	03/29/25 03:03	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		03/27/25 12:15	03/29/25 03:03	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		03/27/25 12:15	03/29/25 03:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	142	S1+	70 - 130			03/27/25 12:15	03/29/25 03:03	1
o-Terphenyl	147	S1+	70 - 130			03/27/25 12:15	03/29/25 03:03	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	313		9.98	mg/Kg			03/31/25 13:29	1

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## Surrogate Summary

Client: Ensolum  
Project/Site: FNR Mobley pit

Job ID: 890-7861-1

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-7859-A-56-D MS	Matrix Spike	97	103
890-7859-A-56-E MSD	Matrix Spike Duplicate	99	100
890-7861-1	FS24A	105	92
890-7861-2	FS25	108	94
890-7861-3	FS26	110	94
890-7861-4	FS27A	112	96
890-7861-5	FS28	115	98
890-7861-6	FS29A	114	97
LCS 880-106178/1-A	Lab Control Sample	102	100
LCSD 880-106178/2-A	Lab Control Sample Dup	99	99
MB 880-106178/5-A	Method Blank	113	89
<b>Surrogate Legend</b>			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-7845-A-4-E MS	Matrix Spike	112	125
890-7845-A-4-F MSD	Matrix Spike Duplicate	119	133 S1+
890-7861-1	FS24A	152 S1+	156 S1+
890-7861-2	FS25	166 S1+	170 S1+
890-7861-3	FS26	187 S1+	188 S1+
890-7861-4	FS27A	239 S1+	245 S1+
890-7861-5	FS28	154 S1+	159 S1+
890-7861-5 MS	FS28	140 S1+	163 S1+
890-7861-5 MSD	FS28	142 S1+	163 S1+
890-7861-6	FS29A	142 S1+	147 S1+
LCS 880-106150/2-A	Lab Control Sample	115	136 S1+
LCS 880-106198/2-A	Lab Control Sample	121	140 S1+
LCSD 880-106150/3-A	Lab Control Sample Dup	118	135 S1+
LCSD 880-106198/3-A	Lab Control Sample Dup	124	143 S1+
MB 880-106150/1-A	Method Blank	119	125
MB 880-106198/1-A	Method Blank	129	132 S1+
<b>Surrogate Legend</b>			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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## QC Sample Results

Client: Ensolum  
Project/Site: FNR Mobley pit

Job ID: 890-7861-1

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

Lab Sample ID: MB 880-106178/5-A

Matrix: Solid

Analysis Batch: 106171

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 106178

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/27/25 09:46	03/27/25 11:37	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/27/25 09:46	03/27/25 11:37	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/27/25 09:46	03/27/25 11:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/27/25 09:46	03/27/25 11:37	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/27/25 09:46	03/27/25 11:37	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/27/25 09:46	03/27/25 11:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	03/27/25 09:46	03/27/25 11:37	1
1,4-Difluorobenzene (Surr)	89		70 - 130	03/27/25 09:46	03/27/25 11:37	1

Lab Sample ID: LCS 880-106178/1-A

Matrix: Solid

Analysis Batch: 106171

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 106178

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08010		mg/Kg		80	70 - 130
Toluene	0.100	0.07999		mg/Kg		80	70 - 130
Ethylbenzene	0.100	0.07431		mg/Kg		74	70 - 130
m-Xylene & p-Xylene	0.200	0.1494		mg/Kg		75	70 - 130
o-Xylene	0.100	0.07837		mg/Kg		78	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-106178/2-A

Matrix: Solid

Analysis Batch: 106171

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 106178

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08002		mg/Kg		80	70 - 130	0	35
Toluene	0.100	0.07977		mg/Kg		80	70 - 130	0	35
Ethylbenzene	0.100	0.07322		mg/Kg		73	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1473		mg/Kg		74	70 - 130	1	35
o-Xylene	0.100	0.07659		mg/Kg		77	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 890-7859-A-56-D MS

Matrix: Solid

Analysis Batch: 106171

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 106178

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00198	U	0.101	0.1007		mg/Kg		100	70 - 130
Toluene	<0.00198	U	0.101	0.09651		mg/Kg		96	70 - 130

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## QC Sample Results

Client: Ensolum  
Project/Site: FNR Mobley pit

Job ID: 890-7861-1

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

Lab Sample ID: 890-7859-A-56-D MS

Matrix: Solid

Analysis Batch: 106171

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 106178

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00198	U	0.101	0.08819		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	<0.00397	U	0.201	0.1754		mg/Kg		87	70 - 130
o-Xylene	<0.00198	U	0.101	0.08910		mg/Kg		89	70 - 130
Surrogate	MS %Recovery	MS Qualifier	MS Limits						
4-Bromofluorobenzene (Surr)	97		70 - 130						
1,4-Difluorobenzene (Surr)	103		70 - 130						

Lab Sample ID: 890-7859-A-56-E MSD

Matrix: Solid

Analysis Batch: 106171

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 106178

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.100	0.09534		mg/Kg		95	70 - 130	5	35
Toluene	<0.00198	U	0.100	0.09482		mg/Kg		95	70 - 130	2	35
Ethylbenzene	<0.00198	U	0.100	0.08568		mg/Kg		86	70 - 130	3	35
m-Xylene & p-Xylene	<0.00397	U	0.200	0.1712		mg/Kg		85	70 - 130	2	35
o-Xylene	<0.00198	U	0.100	0.08694		mg/Kg		87	70 - 130	2	35
Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	99		70 - 130								
1,4-Difluorobenzene (Surr)	100		70 - 130								

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

Lab Sample ID: MB 880-106150/1-A

Matrix: Solid

Analysis Batch: 106362

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 106150

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/26/25 20:48	03/28/25 12:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/26/25 20:48	03/28/25 12:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/26/25 20:48	03/28/25 12:49	1
Surrogate	MB %Recovery	MB Qualifier	MB Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130			03/26/25 20:48	03/28/25 12:49	1
o-Terphenyl	125		70 - 130			03/26/25 20:48	03/28/25 12:49	1

Lab Sample ID: LCS 880-106150/2-A

Matrix: Solid

Analysis Batch: 106362

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 106150

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1024		mg/Kg		102	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1210		mg/Kg		121	70 - 130

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## QC Sample Results

Client: Ensolum  
Project/Site: FNR Mobley pit

Job ID: 890-7861-1

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

Lab Sample ID: LCS 880-106150/2-A

Matrix: Solid

Analysis Batch: 106362

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 106150

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	115		70 - 130
o-Terphenyl	136	S1+	70 - 130

Lab Sample ID: LCSD 880-106150/3-A

Matrix: Solid

Analysis Batch: 106362

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 106150

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1025		mg/Kg		103	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	1191		mg/Kg		119	70 - 130	2	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	118		70 - 130
o-Terphenyl	135	S1+	70 - 130

Lab Sample ID: 890-7845-A-4-E MS

Matrix: Solid

Analysis Batch: 106362

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 106150

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	995	727.9		mg/Kg		73	70 - 130
Diesel Range Organics (Over C10-C28)	<49.7	U	995	911.2		mg/Kg		92	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	112		70 - 130
o-Terphenyl	125		70 - 130

Lab Sample ID: 890-7845-A-4-F MSD

Matrix: Solid

Analysis Batch: 106362

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 106150

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	995	769.7		mg/Kg		77	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<49.7	U	995	962.4		mg/Kg		97	70 - 130	5	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	119		70 - 130
o-Terphenyl	133	S1+	70 - 130

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## QC Sample Results

Client: Ensolum  
Project/Site: FNR Mobley pit

Job ID: 890-7861-1

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

Lab Sample ID: MB 880-106198/1-A

Matrix: Solid

Analysis Batch: 106362

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 106198

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/27/25 12:15	03/29/25 01:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/27/25 12:15	03/29/25 01:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/27/25 12:15	03/29/25 01:24	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130			03/27/25 12:15	03/29/25 01:24	1
o-Terphenyl	132	S1+	70 - 130			03/27/25 12:15	03/29/25 01:24	1

Lab Sample ID: LCS 880-106198/2-A

Matrix: Solid

Analysis Batch: 106362

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 106198

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1061		mg/Kg		106	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1262		mg/Kg		126	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	121		70 - 130				
o-Terphenyl	140	S1+	70 - 130				

Lab Sample ID: LCSD 880-106198/3-A

Matrix: Solid

Analysis Batch: 106362

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 106198

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1113		mg/Kg		111	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	1000	1300		mg/Kg		130	70 - 130	3	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	124		70 - 130						
o-Terphenyl	143	S1+	70 - 130						

Lab Sample ID: 890-7861-5 MS

Matrix: Solid

Analysis Batch: 106362

Client Sample ID: FS28

Prep Type: Total/NA

Prep Batch: 106198

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	1000	958.5		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	<49.7	U	1000	1173		mg/Kg		117	70 - 130

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## QC Sample Results

Client: Ensolum  
Project/Site: FNR Mobley pit

Job ID: 890-7861-1

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

Lab Sample ID: 890-7861-5 MS  
Matrix: Solid  
Analysis Batch: 106362

Client Sample ID: FS28  
Prep Type: Total/NA  
Prep Batch: 106198

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	140	S1+	70 - 130
o-Terphenyl	163	S1+	70 - 130

Lab Sample ID: 890-7861-5 MSD  
Matrix: Solid  
Analysis Batch: 106362

Client Sample ID: FS28  
Prep Type: Total/NA  
Prep Batch: 106198

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	1000	964.6		mg/Kg		96	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.7	U	1000	1169		mg/Kg		117	70 - 130	0	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	142	S1+	70 - 130
o-Terphenyl	163	S1+	70 - 130

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-106443/1-A  
Matrix: Solid  
Analysis Batch: 106463

Client Sample ID: Method Blank  
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	mg/Kg			03/31/25 09:36	1

Lab Sample ID: LCS 880-106443/2-A  
Matrix: Solid  
Analysis Batch: 106463

Client Sample ID: Lab Control Sample  
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	240.3		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-106443/3-A  
Matrix: Solid  
Analysis Batch: 106463

Client Sample ID: Lab Control Sample Dup  
Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	242.9		mg/Kg		97	90 - 110	1	20

Lab Sample ID: 890-7882-A-7-B MS  
Matrix: Solid  
Analysis Batch: 106463

Client Sample ID: Matrix Spike  
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	545	F1	250	747.2	F1	mg/Kg		81	90 - 110

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QC Sample Results

Client: Ensolum  
Project/Site: FNR Mobley pit

Job ID: 890-7861-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-7882-A-7-C MSD					Client Sample ID: Matrix Spike Duplicate							
Matrix: Solid					Prep Type: Soluble							
Analysis Batch: 106463												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	545	F1	250	748.4	F1	mg/Kg		81	90 - 110	0	20	



## QC Association Summary

Client: Ensolum  
Project/Site: FNR Mobley pit

Job ID: 890-7861-1

## GC VOA

## Analysis Batch: 106171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7861-1	FS24A	Total/NA	Solid	8021B	106178
890-7861-2	FS25	Total/NA	Solid	8021B	106178
890-7861-3	FS26	Total/NA	Solid	8021B	106178
890-7861-4	FS27A	Total/NA	Solid	8021B	106178
890-7861-5	FS28	Total/NA	Solid	8021B	106178
890-7861-6	FS29A	Total/NA	Solid	8021B	106178
MB 880-106178/5-A	Method Blank	Total/NA	Solid	8021B	106178
LCS 880-106178/1-A	Lab Control Sample	Total/NA	Solid	8021B	106178
LCSD 880-106178/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	106178
890-7859-A-56-D MS	Matrix Spike	Total/NA	Solid	8021B	106178
890-7859-A-56-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	106178

## Prep Batch: 106178

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7861-1	FS24A	Total/NA	Solid	5035	
890-7861-2	FS25	Total/NA	Solid	5035	
890-7861-3	FS26	Total/NA	Solid	5035	
890-7861-4	FS27A	Total/NA	Solid	5035	
890-7861-5	FS28	Total/NA	Solid	5035	
890-7861-6	FS29A	Total/NA	Solid	5035	
MB 880-106178/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-106178/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-106178/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7859-A-56-D MS	Matrix Spike	Total/NA	Solid	5035	
890-7859-A-56-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

## Analysis Batch: 106343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7861-1	FS24A	Total/NA	Solid	Total BTEX	
890-7861-2	FS25	Total/NA	Solid	Total BTEX	
890-7861-3	FS26	Total/NA	Solid	Total BTEX	
890-7861-4	FS27A	Total/NA	Solid	Total BTEX	
890-7861-5	FS28	Total/NA	Solid	Total BTEX	
890-7861-6	FS29A	Total/NA	Solid	Total BTEX	

## GC Semi VOA

## Prep Batch: 106150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7861-1	FS24A	Total/NA	Solid	8015NM Prep	
890-7861-2	FS25	Total/NA	Solid	8015NM Prep	
890-7861-3	FS26	Total/NA	Solid	8015NM Prep	
890-7861-4	FS27A	Total/NA	Solid	8015NM Prep	
MB 880-106150/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-106150/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-106150/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7845-A-4-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7845-A-4-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

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## QC Association Summary

Client: Ensolum  
Project/Site: FNR Mobley pit

Job ID: 890-7861-1

## GC Semi VOA

## Prep Batch: 106198

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7861-5	FS28	Total/NA	Solid	8015NM Prep	
890-7861-6	FS29A	Total/NA	Solid	8015NM Prep	
MB 880-106198/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-106198/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-106198/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7861-5 MS	FS28	Total/NA	Solid	8015NM Prep	
890-7861-5 MSD	FS28	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 106362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7861-1	FS24A	Total/NA	Solid	8015B NM	106150
890-7861-2	FS25	Total/NA	Solid	8015B NM	106150
890-7861-3	FS26	Total/NA	Solid	8015B NM	106150
890-7861-4	FS27A	Total/NA	Solid	8015B NM	106150
890-7861-5	FS28	Total/NA	Solid	8015B NM	106198
890-7861-6	FS29A	Total/NA	Solid	8015B NM	106198
MB 880-106150/1-A	Method Blank	Total/NA	Solid	8015B NM	106150
MB 880-106198/1-A	Method Blank	Total/NA	Solid	8015B NM	106198
LCS 880-106150/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	106150
LCS 880-106198/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	106198
LCSD 880-106150/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	106150
LCSD 880-106198/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	106198
890-7845-A-4-E MS	Matrix Spike	Total/NA	Solid	8015B NM	106150
890-7845-A-4-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	106150
890-7861-5 MS	FS28	Total/NA	Solid	8015B NM	106198
890-7861-5 MSD	FS28	Total/NA	Solid	8015B NM	106198

## Analysis Batch: 106523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7861-1	FS24A	Total/NA	Solid	8015 NM	
890-7861-2	FS25	Total/NA	Solid	8015 NM	
890-7861-3	FS26	Total/NA	Solid	8015 NM	
890-7861-4	FS27A	Total/NA	Solid	8015 NM	
890-7861-5	FS28	Total/NA	Solid	8015 NM	
890-7861-6	FS29A	Total/NA	Solid	8015 NM	

## HPLC/IC

## Leach Batch: 106443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7861-1	FS24A	Soluble	Solid	DI Leach	
890-7861-2	FS25	Soluble	Solid	DI Leach	
890-7861-3	FS26	Soluble	Solid	DI Leach	
890-7861-4	FS27A	Soluble	Solid	DI Leach	
890-7861-5	FS28	Soluble	Solid	DI Leach	
890-7861-6	FS29A	Soluble	Solid	DI Leach	
MB 880-106443/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-106443/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-106443/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-7882-A-7-B MS	Matrix Spike	Soluble	Solid	DI Leach	
890-7882-A-7-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Ensolum  
Project/Site: FNR Mobley pit

Job ID: 890-7861-1

HPLC/IC

Analysis Batch: 106463

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7861-1	FS24A	Soluble	Solid	300.0	106443
890-7861-2	FS25	Soluble	Solid	300.0	106443
890-7861-3	FS26	Soluble	Solid	300.0	106443
890-7861-4	FS27A	Soluble	Solid	300.0	106443
890-7861-5	FS28	Soluble	Solid	300.0	106443
890-7861-6	FS29A	Soluble	Solid	300.0	106443
MB 880-106443/1-A	Method Blank	Soluble	Solid	300.0	106443
LCS 880-106443/2-A	Lab Control Sample	Soluble	Solid	300.0	106443
LCSD 880-106443/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	106443
890-7882-A-7-B MS	Matrix Spike	Soluble	Solid	300.0	106443
890-7882-A-7-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	106443



Lab Chronicle

Client: Ensolum  
Project/Site: FNR Mobley pit

Job ID: 890-7861-1

Client Sample ID: FS24A  
Date Collected: 03/26/25 10:42  
Date Received: 03/26/25 16:20

Lab Sample ID: 890-7861-1  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	106178	03/27/25 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	106171	03/27/25 17:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			106343	03/27/25 17:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			106523	03/28/25 23:12	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	106150	03/26/25 20:48	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	106362	03/28/25 23:12	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	106443	03/31/25 07:55	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	106463	03/31/25 13:01	CH	EET MID

Client Sample ID: FS25  
Date Collected: 03/26/25 10:48  
Date Received: 03/26/25 16:20

Lab Sample ID: 890-7861-2  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	106178	03/27/25 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	106171	03/27/25 18:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			106343	03/27/25 18:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			106523	03/28/25 23:29	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	106150	03/26/25 20:48	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	106362	03/28/25 23:29	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	106443	03/31/25 07:55	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	106463	03/31/25 13:07	CH	EET MID

Client Sample ID: FS26  
Date Collected: 03/26/25 10:55  
Date Received: 03/26/25 16:20

Lab Sample ID: 890-7861-3  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	106178	03/27/25 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	106171	03/27/25 18:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			106343	03/27/25 18:28	AJ	EET MID
Total/NA	Analysis	8015 NM		1			106523	03/28/25 23:45	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	106150	03/26/25 20:48	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	106362	03/28/25 23:45	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	106443	03/31/25 07:55	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	106463	03/31/25 13:12	CH	EET MID

Client Sample ID: FS27A  
Date Collected: 03/26/25 11:00  
Date Received: 03/26/25 16:20

Lab Sample ID: 890-7861-4  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	106178	03/27/25 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	106171	03/27/25 18:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			106343	03/27/25 18:49	AJ	EET MID

Eurofins Carlsbad



Lab Chronicle

Client: Ensolum  
Project/Site: FNR Mobley pit

Job ID: 890-7861-1

Client Sample ID: FS27A  
Date Collected: 03/26/25 11:00  
Date Received: 03/26/25 16:20

Lab Sample ID: 890-7861-4  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			106523	03/29/25 00:02	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.06 g	10 mL	106150	03/26/25 20:48	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	106362	03/29/25 00:02	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	106443	03/31/25 07:55	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	106463	03/31/25 13:18	CH	EET MID

Client Sample ID: FS28  
Date Collected: 03/26/25 11:05  
Date Received: 03/26/25 16:20

Lab Sample ID: 890-7861-5  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	106178	03/27/25 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	106171	03/27/25 19:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			106343	03/27/25 19:09	AJ	EET MID
Total/NA	Analysis	8015 NM		1			106523	03/29/25 02:14	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	106198	03/27/25 12:15	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	106362	03/29/25 02:14	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	106443	03/31/25 07:55	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	106463	03/31/25 13:24	CH	EET MID

Client Sample ID: FS29A  
Date Collected: 03/26/25 11:10  
Date Received: 03/26/25 16:20

Lab Sample ID: 890-7861-6  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	106178	03/27/25 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	106171	03/27/25 19:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			106343	03/27/25 19:30	AJ	EET MID
Total/NA	Analysis	8015 NM		1			106523	03/29/25 03:03	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	106198	03/27/25 12:15	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	106362	03/29/25 03:03	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	106443	03/31/25 07:55	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	106463	03/31/25 13:29	CH	EET MID

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



Accreditation/Certification Summary

Client: Ensolum  
Project/Site: FNR Mobley pit

Job ID: 890-7861-1

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX



Method Summary

Client: Ensolum  
Project/Site: FNR Mobley pit

Job ID: 890-7861-1

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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



Sample Summary

Client: Ensolum  
Project/Site: FNR Mobley pit

Job ID: 890-7861-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-7861-1	FS24A	Solid	03/26/25 10:42	03/26/25 16:20	4
890-7861-2	FS25	Solid	03/26/25 10:48	03/26/25 16:20	4
890-7861-3	FS26	Solid	03/26/25 10:55	03/26/25 16:20	4
890-7861-4	FS27A	Solid	03/26/25 11:00	03/26/25 16:20	4
890-7861-5	FS28	Solid	03/26/25 11:05	03/26/25 16:20	4
890-7861-6	FS29A	Solid	03/26/25 11:10	03/26/25 16:20	4

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## Chain of Custody

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

**Environment Testing**  
**Xenco**



Work

890-7861 Chain of Custody

Project Manager: Company Name: Address: City, State ZIP: Phone:		Jeremy Reich Ensolum, LLC 3122 National Parks Hwy Carlsbad, NM 88220 6132-246-0627		Bill to: (if different) Company Name: Address: City, State ZIP:		EnrichEnsolum.com/calferrell@ensolum.com					
Project Name: Project Number: Project Location: Sampler's Name: PO #:		FNR Moblev P-1 03C2284005 32.296335-103.924876 Alex Ferrell		Turn Around <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush 72-Hr Due Date: 3/31/25 TAT starts the day received by the lab, if received by 4:30pm		Pres. Code					
SAMPLE RECEIPT Samples Received Intact: Cooler Custody Seals: Sample Custody Seals: Total Containers:		Temp Blank: Yes No Thermometer ID: Yes No Correction Factor: Yes No Temperature Reading: Yes No Corrected Temperature: Yes No		Wet Ice: Yes No Thermometer ID: Yes No Correction Factor: Yes No Temperature Reading: Yes No Corrected Temperature: Yes No		Parameters					
Sample Identification		Date Sampled		Time Sampled		Depth		Grab/Comp		# of Cont	
P524A		3/26/25		1042		4		C		1	
P525		3/26/25		1048		4		C		1	
P526		3/26/25		1055		4		C		1	
P527A		3/26/25		1100		4		C		1	
P528		3/26/25		1105		4		C		1	
P529A		3/26/25		1110		4		C		1	
Matrix		Date Sampled		Time Sampled		Depth		Grab/Comp		# of Cont	
S		3/26/25		1042		4		C		1	
S		3/26/25		1048		4		C		1	
S		3/26/25		1055		4		C		1	
S		3/26/25		1100		4		C		1	
S		3/26/25		1105		4		C		1	
S		3/26/25		1110		4		C		1	
Matrix		Date Sampled		Time Sampled		Depth		Grab/Comp		# of Cont	
S		3/26/25		1042		4		C		1	
S		3/26/25		1048		4		C		1	
S		3/26/25		1055		4		C		1	
S		3/26/25		1100		4		C		1	
S		3/26/25		1105		4		C		1	
S		3/26/25		1110		4		C		1	
Matrix		Date Sampled		Time Sampled		Depth		Grab/Comp		# of Cont	
S		3/26/25		1042		4		C		1	
S		3/26/25		1048		4		C		1	
S		3/26/25		1055		4		C		1	
S		3/26/25		1100		4		C		1	
S		3/26/25		1105		4		C		1	
S		3/26/25		1110		4		C		1	
Matrix		Date Sampled		Time Sampled		Depth		Grab/Comp		# of Cont	
S		3/26/25		1042		4		C		1	
S		3/26/25		1048		4		C		1	
S		3/26/25		1055		4		C		1	
S		3/26/25		1100		4		C		1	
S		3/26/25		1105		4		C		1	
S		3/26/25		1110		4		C		1	
Matrix		Date Sampled		Time Sampled		Depth		Grab/Comp		# of Cont	
S		3/26/25		1042		4		C		1	
S		3/26/25		1048		4		C		1	
S		3/26/25		1055		4		C		1	
S		3/26/25		1100		4		C		1	
S		3/26/25		1105		4		C		1	
S		3/26/25		1110		4		C		1	
Matrix		Date Sampled		Time Sampled		Depth		Grab/Comp		# of Cont	
S		3/26/25		1042		4		C		1	
S		3/26/25		1048		4		C		1	
S		3/26/25		1055		4		C		1	
S		3/26/25		1100		4		C		1	
S		3/26/25		1105		4		C		1	
S		3/26/25		1110		4		C		1	
Matrix		Date Sampled		Time Sampled		Depth		Grab/Comp		# of Cont	
S		3/26/25		1042		4		C		1	
S		3/26/25		1048		4		C		1	
S		3/26/25		1055		4		C		1	
S		3/26/25		1100		4		C		1	
S		3/26/25									



## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-7861-1

Login Number: 7861

List Source: Eurofins Carlsbad

List Number: 1

Creator: Lopez, Abraham

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	N/A	Refer to Job Narrative for details.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-7861-1

Login Number: 7861

List Number: 2

Creator: Vasquez, Julisa

List Source: Eurofins Midland

List Creation: 03/27/25 10:48 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	





Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Jeremy Reich

Ensolum

601 N. Marienfeld St.

Suite 400

Midland, Texas 79701

Generated 3/31/2025 3:08:38 PM

## JOB DESCRIPTION

FNR MOBLEY PIT

03C2284005

## JOB NUMBER

890-7864-1

Eurofins Carlsbad  
1089 N Canal St.  
Carlsbad NM 88220

See page two for job notes and contact information.





# Eurofins Carlsbad

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Generated  
3/31/2025 3:08:38 PM

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



Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Laboratory Job ID: 890-7864-1  
SDG: 03C2284005

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Definitions/Glossary

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7864-1  
SDG: 03C2284005

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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



## Case Narrative

Client: Ensolum  
Project: FNR MOBLEY PIT

Job ID: 890-7864-1

**Job ID: 890-7864-1**

**Eurofins Carlsbad**

### Job Narrative 890-7864-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### Receipt

The samples were received on 3/27/2025 10:08 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.0°C.

#### Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: FS23 (890-7864-1), FS24 (890-7864-2), FS27 (890-7864-3) and FS29 (890-7864-4).

#### GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-106303 recovered above the upper control limit for Benzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The CCV before and after pass.

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

#### Diesel Range Organics

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-106290/2-A). Evidence of matrix interferences is not obvious.

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

#### HPLC/IC

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

Eurofins Carlsbad



## Client Sample Results

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7864-1  
SDG: 03C2284005

Client Sample ID: FS23

Lab Sample ID: 890-7864-1

Date Collected: 03/24/25 11:08

Matrix: Solid

Date Received: 03/27/25 10:08

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		03/27/25 20:00	03/27/25 22:38	1
Toluene	<0.00198	U	0.00198	mg/Kg		03/27/25 20:00	03/27/25 22:38	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/27/25 20:00	03/27/25 22:38	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		03/27/25 20:00	03/27/25 22:38	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		03/27/25 20:00	03/27/25 22:38	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		03/27/25 20:00	03/27/25 22:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	03/27/25 20:00	03/27/25 22:38	1
1,4-Difluorobenzene (Surr)	89		70 - 130	03/27/25 20:00	03/27/25 22:38	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397	mg/Kg			03/27/25 22:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			03/28/25 22:05	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		03/28/25 07:02	03/28/25 22:05	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		03/28/25 07:02	03/28/25 22:05	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		03/28/25 07:02	03/28/25 22:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130	03/28/25 07:02	03/28/25 22:05	1
o-Terphenyl	87		70 - 130	03/28/25 07:02	03/28/25 22:05	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	787		10.0	mg/Kg			03/28/25 20:36	1

Client Sample ID: FS24

Lab Sample ID: 890-7864-2

Date Collected: 03/24/25 15:00

Matrix: Solid

Date Received: 03/27/25 10:08

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/27/25 20:00	03/27/25 22:59	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/27/25 20:00	03/27/25 22:59	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/27/25 20:00	03/27/25 22:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/27/25 20:00	03/27/25 22:59	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/27/25 20:00	03/27/25 22:59	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/27/25 20:00	03/27/25 22:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	03/27/25 20:00	03/27/25 22:59	1

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## Client Sample Results

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7864-1  
SDG: 03C2284005

Client Sample ID: FS24

Lab Sample ID: 890-7864-2

Date Collected: 03/24/25 15:00

Matrix: Solid

Date Received: 03/27/25 10:08

Sample Depth: 2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	93		70 - 130	03/27/25 20:00	03/27/25 22:59	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/27/25 22:59	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	mg/Kg			03/28/25 22:22	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	mg/Kg		03/28/25 07:02	03/28/25 22:22	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		03/28/25 07:02	03/28/25 22:22	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		03/28/25 07:02	03/28/25 22:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130			03/28/25 07:02	03/28/25 22:22	1
o-Terphenyl	87		70 - 130			03/28/25 07:02	03/28/25 22:22	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	879		9.98	mg/Kg			03/28/25 20:43	1

Client Sample ID: FS27

Lab Sample ID: 890-7864-3

Date Collected: 03/24/25 15:24

Matrix: Solid

Date Received: 03/27/25 10:08

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		03/28/25 08:59	03/28/25 12:29	1
Toluene	<0.00198	U	0.00198	mg/Kg		03/28/25 08:59	03/28/25 12:29	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/28/25 08:59	03/28/25 12:29	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		03/28/25 08:59	03/28/25 12:29	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		03/28/25 08:59	03/28/25 12:29	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		03/28/25 08:59	03/28/25 12:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130			03/28/25 08:59	03/28/25 12:29	1
1,4-Difluorobenzene (Surr)	96		70 - 130			03/28/25 08:59	03/28/25 12:29	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397	mg/Kg			03/28/25 12:29	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			03/28/25 22:38	1

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## Client Sample Results

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7864-1  
SDG: 03C2284005

## Client Sample ID: FS27

Lab Sample ID: 890-7864-3

Date Collected: 03/24/25 15:24

Matrix: Solid

Date Received: 03/27/25 10:08

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		03/28/25 07:02	03/28/25 22:38	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		03/28/25 07:02	03/28/25 22:38	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		03/28/25 07:02	03/28/25 22:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130			03/28/25 07:02	03/28/25 22:38	1
o-Terphenyl	89		70 - 130			03/28/25 07:02	03/28/25 22:38	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	550		10.1	mg/Kg			03/28/25 20:50	1

## Client Sample ID: FS29

Lab Sample ID: 890-7864-4

Date Collected: 03/24/25 15:38

Matrix: Solid

Date Received: 03/27/25 10:08

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		03/28/25 08:59	03/28/25 12:50	1
Toluene	<0.00202	U	0.00202	mg/Kg		03/28/25 08:59	03/28/25 12:50	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		03/28/25 08:59	03/28/25 12:50	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		03/28/25 08:59	03/28/25 12:50	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		03/28/25 08:59	03/28/25 12:50	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		03/28/25 08:59	03/28/25 12:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130			03/28/25 08:59	03/28/25 12:50	1
1,4-Difluorobenzene (Surr)	90		70 - 130			03/28/25 08:59	03/28/25 12:50	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			03/28/25 12:50	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			03/28/25 22:55	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		03/28/25 07:02	03/28/25 22:55	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		03/28/25 07:02	03/28/25 22:55	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		03/28/25 07:02	03/28/25 22:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130			03/28/25 07:02	03/28/25 22:55	1
o-Terphenyl	97		70 - 130			03/28/25 07:02	03/28/25 22:55	1

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Client Sample Results

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7864-1  
SDG: 03C2284005

Client Sample ID: FS29  
Date Collected: 03/24/25 15:38  
Date Received: 03/27/25 10:08  
Sample Depth: 2

Lab Sample ID: 890-7864-4  
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	517		10.1	mg/Kg			03/28/25 20:57	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14



## Surrogate Summary

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7864-1  
SDG: 03C2284005

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
890-7848-A-1-A MS	Matrix Spike	130	102				
890-7848-A-1-B MSD	Matrix Spike Duplicate	103	89				
890-7864-1	FS23	105	89				
890-7864-2	FS24	100	93				
890-7864-3	FS27	103	96				
890-7864-3 MS	FS27	99	100				
890-7864-3 MSD	FS27	101	102				
890-7864-4	FS29	104	90				
LCS 880-106182/1-A	Lab Control Sample	127	90				
LCS 880-106304/1-A	Lab Control Sample	119	104				
LCSD 880-106182/2-A	Lab Control Sample Dup	117	99				
LCSD 880-106304/2-A	Lab Control Sample Dup	120	106				
MB 880-106182/5-A	Method Blank	93	89				
MB 880-106304/5-A	Method Blank	93	92				
<b>Surrogate Legend</b>							
BFB = 4-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
890-7856-A-15-D MS	Matrix Spike	93	88				
890-7856-A-15-E MSD	Matrix Spike Duplicate	100	97				
890-7864-1	FS23	87	87				
890-7864-2	FS24	90	87				
890-7864-3	FS27	90	89				
890-7864-4	FS29	99	97				
LCS 880-106290/2-A	Lab Control Sample	135 S1+	126				
LCSD 880-106290/3-A	Lab Control Sample Dup	127	120				
MB 880-106290/1-A	Method Blank	99	98				
<b>Surrogate Legend</b>							
1CO = 1-Chlorooctane							
OTPH = o-Terphenyl							



## QC Sample Results

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7864-1  
SDG: 03C2284005

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

Lab Sample ID: MB 880-106182/5-A

Matrix: Solid

Analysis Batch: 106175

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 106182

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/27/25 10:00	03/27/25 12:22	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/27/25 10:00	03/27/25 12:22	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/27/25 10:00	03/27/25 12:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/27/25 10:00	03/27/25 12:22	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/27/25 10:00	03/27/25 12:22	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/27/25 10:00	03/27/25 12:22	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	03/27/25 10:00	03/27/25 12:22	1
1,4-Difluorobenzene (Surr)	89		70 - 130	03/27/25 10:00	03/27/25 12:22	1

Lab Sample ID: LCS 880-106182/1-A

Matrix: Solid

Analysis Batch: 106175

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 106182

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09931		mg/Kg		99	70 - 130
Toluene	0.100	0.09773		mg/Kg		98	70 - 130
Ethylbenzene	0.100	0.1233		mg/Kg		123	70 - 130
m-Xylene & p-Xylene	0.200	0.2374		mg/Kg		119	70 - 130
o-Xylene	0.100	0.1137		mg/Kg		114	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	127		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: LCSD 880-106182/2-A

Matrix: Solid

Analysis Batch: 106175

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 106182

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09850		mg/Kg		98	70 - 130	1	35
Toluene	0.100	0.09297		mg/Kg		93	70 - 130	5	35
Ethylbenzene	0.100	0.08745		mg/Kg		87	70 - 130	34	35
m-Xylene & p-Xylene	0.200	0.1691		mg/Kg		85	70 - 130	34	35
o-Xylene	0.100	0.1051		mg/Kg		105	70 - 130	8	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 890-7848-A-1-A MS

Matrix: Solid

Analysis Batch: 106175

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 106182

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00198	U	0.101	0.1014		mg/Kg		101	70 - 130
Toluene	<0.00198	U	0.101	0.09517		mg/Kg		95	70 - 130

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## QC Sample Results

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7864-1  
SDG: 03C2284005

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

Lab Sample ID: 890-7848-A-1-A MS

Matrix: Solid

Analysis Batch: 106175

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 106182

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00198	U	0.101	0.1180		mg/Kg		117	70 - 130
m-Xylene & p-Xylene	<0.00397	U	0.201	0.2331		mg/Kg		116	70 - 130
o-Xylene	<0.00198	U	0.101	0.1122		mg/Kg		112	70 - 130

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

Lab Sample ID: 890-7848-A-1-B MSD

Matrix: Solid

Analysis Batch: 106175

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 106182

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.100	0.09282		mg/Kg		93	70 - 130	9	35
Toluene	<0.00198	U	0.100	0.09157		mg/Kg		91	70 - 130	4	35
Ethylbenzene	<0.00198	U	0.100	0.08537		mg/Kg		85	70 - 130	32	35
m-Xylene & p-Xylene	<0.00397	U	0.200	0.1852		mg/Kg		92	70 - 130	23	35
o-Xylene	<0.00198	U	0.100	0.08887		mg/Kg		89	70 - 130	23	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: MB 880-106304/5-A

Matrix: Solid

Analysis Batch: 106303

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 106304

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/28/25 08:59	03/28/25 12:07	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/28/25 08:59	03/28/25 12:07	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/28/25 08:59	03/28/25 12:07	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/28/25 08:59	03/28/25 12:07	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/28/25 08:59	03/28/25 12:07	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/28/25 08:59	03/28/25 12:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	03/28/25 08:59	03/28/25 12:07	1
1,4-Difluorobenzene (Surr)	92		70 - 130	03/28/25 08:59	03/28/25 12:07	1

Lab Sample ID: LCS 880-106304/1-A

Matrix: Solid

Analysis Batch: 106303

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 106304

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1023		mg/Kg		102	70 - 130
Toluene	0.100	0.09331		mg/Kg		93	70 - 130
Ethylbenzene	0.100	0.1005		mg/Kg		100	70 - 130
m-Xylene & p-Xylene	0.200	0.2058		mg/Kg		103	70 - 130

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## QC Sample Results

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7864-1  
SDG: 03C2284005

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

Lab Sample ID: LCS 880-106304/1-A

Matrix: Solid

Analysis Batch: 106303

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 106304

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.1010		mg/Kg		101	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: LCSD 880-106304/2-A

Matrix: Solid

Analysis Batch: 106303

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 106304

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1033		mg/Kg		103	70 - 130	1	35
Toluene	0.100	0.09253		mg/Kg		93	70 - 130	1	35
Ethylbenzene	0.100	0.08864		mg/Kg		89	70 - 130	12	35
m-Xylene & p-Xylene	0.200	0.1849		mg/Kg		92	70 - 130	11	35
o-Xylene	0.100	0.09170		mg/Kg		92	70 - 130	10	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	120		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: 890-7864-3 MS

Matrix: Solid

Analysis Batch: 106303

Client Sample ID: FS27

Prep Type: Total/NA

Prep Batch: 106304

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00198	U	0.101	0.09325		mg/Kg		93	70 - 130
Toluene	<0.00198	U	0.101	0.08942		mg/Kg		89	70 - 130
Ethylbenzene	<0.00198	U	0.101	0.08312		mg/Kg		83	70 - 130
m-Xylene & p-Xylene	<0.00397	U	0.201	0.1695		mg/Kg		84	70 - 130
o-Xylene	<0.00198	U	0.101	0.08092		mg/Kg		80	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 890-7864-3 MSD

Matrix: Solid

Analysis Batch: 106303

Client Sample ID: FS27

Prep Type: Total/NA

Prep Batch: 106304

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.100	0.1005		mg/Kg		100	70 - 130	7	35
Toluene	<0.00198	U	0.100	0.09262		mg/Kg		92	70 - 130	4	35
Ethylbenzene	<0.00198	U	0.100	0.08772		mg/Kg		88	70 - 130	5	35
m-Xylene & p-Xylene	<0.00397	U	0.200	0.1779		mg/Kg		89	70 - 130	5	35
o-Xylene	<0.00198	U	0.100	0.08525		mg/Kg		85	70 - 130	5	35

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## QC Sample Results

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7864-1  
SDG: 03C2284005

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

Lab Sample ID: 890-7864-3 MSD

Matrix: Solid

Analysis Batch: 106303

Client Sample ID: FS27

Prep Type: Total/NA

Prep Batch: 106304

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

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

Lab Sample ID: MB 880-106290/1-A

Matrix: Solid

Analysis Batch: 106360

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 106290

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/28/25 07:02	03/28/25 12:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/28/25 07:02	03/28/25 12:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/28/25 07:02	03/28/25 12:49	1
Surrogate	MB MB		Limits			Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier						
1-Chlorooctane	99		70 - 130			03/28/25 07:02	03/28/25 12:49	1
o-Terphenyl	98		70 - 130			03/28/25 07:02	03/28/25 12:49	1

Lab Sample ID: LCS 880-106290/2-A

Matrix: Solid

Analysis Batch: 106360

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 106290

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	914.5		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1014		mg/Kg		101	70 - 130
Surrogate	LCS LCS		Limits				
	%Recovery	Qualifier					
1-Chlorooctane	135	S1+	70 - 130				
o-Terphenyl	126		70 - 130				

Lab Sample ID: LCSD 880-106290/3-A

Matrix: Solid

Analysis Batch: 106360

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 106290

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	892.2		mg/Kg		89	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	958.3		mg/Kg		96	70 - 130	6	20
Surrogate	LCSD LCSD		Limits						
	%Recovery	Qualifier							
1-Chlorooctane	127		70 - 130						
o-Terphenyl	120		70 - 130						

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## QC Sample Results

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7864-1  
SDG: 03C2284005

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

Lab Sample ID: 890-7856-A-15-D MS

Matrix: Solid

Analysis Batch: 106360

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 106290

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	995	729.7		mg/Kg		73	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	995	770.2		mg/Kg		77	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	93		70 - 130						
o-Terphenyl	88		70 - 130						

Lab Sample ID: 890-7856-A-15-E MSD

Matrix: Solid

Analysis Batch: 106360

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 106290

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	995	772.8		mg/Kg		78	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<50.0	U	995	864.1		mg/Kg		87	70 - 130	11	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	100		70 - 130								
o-Terphenyl	97		70 - 130								

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-106317/1-A

Matrix: Solid

Analysis Batch: 106369

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	mg/Kg			03/28/25 17:29	1

Lab Sample ID: LCS 880-106317/2-A

Matrix: Solid

Analysis Batch: 106369

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	254.5		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-106317/3-A

Matrix: Solid

Analysis Batch: 106369

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	255.3		mg/Kg		102	90 - 110	0	20

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QC Sample Results

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7864-1  
SDG: 03C2284005

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-56120-A-23-C MS							Client Sample ID: Matrix Spike				
Matrix: Solid							Prep Type: Soluble				
Analysis Batch: 106369											
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	220		250	474.1		mg/Kg		102	90 - 110		

Lab Sample ID: 880-56120-A-23-D MSD							Client Sample ID: Matrix Spike Duplicate				
Matrix: Solid							Prep Type: Soluble				
Analysis Batch: 106369											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	220		250	468.9		mg/Kg		100	90 - 110	1	20



## QC Association Summary

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7864-1  
SDG: 03C2284005

## GC VOA

## Analysis Batch: 106175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7864-1	FS23	Total/NA	Solid	8021B	106182
890-7864-2	FS24	Total/NA	Solid	8021B	106182
MB 880-106182/5-A	Method Blank	Total/NA	Solid	8021B	106182
LCS 880-106182/1-A	Lab Control Sample	Total/NA	Solid	8021B	106182
LCSD 880-106182/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	106182
890-7848-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	106182
890-7848-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	106182

## Prep Batch: 106182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7864-1	FS23	Total/NA	Solid	5035	
890-7864-2	FS24	Total/NA	Solid	5035	
MB 880-106182/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-106182/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-106182/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7848-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
890-7848-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

## Analysis Batch: 106303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7864-3	FS27	Total/NA	Solid	8021B	106304
890-7864-4	FS29	Total/NA	Solid	8021B	106304
MB 880-106304/5-A	Method Blank	Total/NA	Solid	8021B	106304
LCS 880-106304/1-A	Lab Control Sample	Total/NA	Solid	8021B	106304
LCSD 880-106304/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	106304
890-7864-3 MS	FS27	Total/NA	Solid	8021B	106304
890-7864-3 MSD	FS27	Total/NA	Solid	8021B	106304

## Prep Batch: 106304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7864-3	FS27	Total/NA	Solid	5035	
890-7864-4	FS29	Total/NA	Solid	5035	
MB 880-106304/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-106304/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-106304/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7864-3 MS	FS27	Total/NA	Solid	5035	
890-7864-3 MSD	FS27	Total/NA	Solid	5035	

## Analysis Batch: 106346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7864-1	FS23	Total/NA	Solid	Total BTEX	
890-7864-2	FS24	Total/NA	Solid	Total BTEX	
890-7864-3	FS27	Total/NA	Solid	Total BTEX	
890-7864-4	FS29	Total/NA	Solid	Total BTEX	

## GC Semi VOA

## Prep Batch: 106290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7864-1	FS23	Total/NA	Solid	8015NM Prep	
890-7864-2	FS24	Total/NA	Solid	8015NM Prep	

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## QC Association Summary

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7864-1  
SDG: 03C2284005

## GC Semi VOA (Continued)

## Prep Batch: 106290 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7864-3	FS27	Total/NA	Solid	8015NM Prep	
890-7864-4	FS29	Total/NA	Solid	8015NM Prep	
MB 880-106290/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-106290/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-106290/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7856-A-15-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7856-A-15-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 106360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7864-1	FS23	Total/NA	Solid	8015B NM	106290
890-7864-2	FS24	Total/NA	Solid	8015B NM	106290
890-7864-3	FS27	Total/NA	Solid	8015B NM	106290
890-7864-4	FS29	Total/NA	Solid	8015B NM	106290
MB 880-106290/1-A	Method Blank	Total/NA	Solid	8015B NM	106290
LCS 880-106290/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	106290
LCSD 880-106290/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	106290
890-7856-A-15-D MS	Matrix Spike	Total/NA	Solid	8015B NM	106290
890-7856-A-15-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	106290

## Analysis Batch: 106515

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7864-1	FS23	Total/NA	Solid	8015 NM	
890-7864-2	FS24	Total/NA	Solid	8015 NM	
890-7864-3	FS27	Total/NA	Solid	8015 NM	
890-7864-4	FS29	Total/NA	Solid	8015 NM	

## HPLC/IC

## Leach Batch: 106317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7864-1	FS23	Soluble	Solid	DI Leach	
890-7864-2	FS24	Soluble	Solid	DI Leach	
890-7864-3	FS27	Soluble	Solid	DI Leach	
890-7864-4	FS29	Soluble	Solid	DI Leach	
MB 880-106317/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-106317/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-106317/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-56120-A-23-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-56120-A-23-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

## Analysis Batch: 106369

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7864-1	FS23	Soluble	Solid	300.0	106317
890-7864-2	FS24	Soluble	Solid	300.0	106317
890-7864-3	FS27	Soluble	Solid	300.0	106317
890-7864-4	FS29	Soluble	Solid	300.0	106317
MB 880-106317/1-A	Method Blank	Soluble	Solid	300.0	106317
LCS 880-106317/2-A	Lab Control Sample	Soluble	Solid	300.0	106317
LCSD 880-106317/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	106317
880-56120-A-23-C MS	Matrix Spike	Soluble	Solid	300.0	106317

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QC Association Summary

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7864-1  
SDG: 03C2284005

HPLC/IC (Continued)

Analysis Batch: 106369 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56120-A-23-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	106317

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Lab Chronicle

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7864-1  
SDG: 03C2284005

Client Sample ID: FS23  
Date Collected: 03/24/25 11:08  
Date Received: 03/27/25 10:08

Lab Sample ID: 890-7864-1  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	106182	03/27/25 20:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	106175	03/27/25 22:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			106346	03/27/25 22:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			106515	03/28/25 22:05	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	106290	03/28/25 07:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	106360	03/28/25 22:05	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	106317	03/28/25 10:08	SMC	EET MID
Soluble	Analysis	300.0		1			106369	03/28/25 20:36	CH	EET MID

Client Sample ID: FS24  
Date Collected: 03/24/25 15:00  
Date Received: 03/27/25 10:08

Lab Sample ID: 890-7864-2  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	106182	03/27/25 20:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	106175	03/27/25 22:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			106346	03/27/25 22:59	AJ	EET MID
Total/NA	Analysis	8015 NM		1			106515	03/28/25 22:22	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	106290	03/28/25 07:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	106360	03/28/25 22:22	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	106317	03/28/25 10:08	SMC	EET MID
Soluble	Analysis	300.0		1			106369	03/28/25 20:43	CH	EET MID

Client Sample ID: FS27  
Date Collected: 03/24/25 15:24  
Date Received: 03/27/25 10:08

Lab Sample ID: 890-7864-3  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	106304	03/28/25 08:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	106303	03/28/25 12:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			106346	03/28/25 12:29	AJ	EET MID
Total/NA	Analysis	8015 NM		1			106515	03/28/25 22:38	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	106290	03/28/25 07:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	106360	03/28/25 22:38	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	106317	03/28/25 10:08	SMC	EET MID
Soluble	Analysis	300.0		1			106369	03/28/25 20:50	CH	EET MID

Client Sample ID: FS29  
Date Collected: 03/24/25 15:38  
Date Received: 03/27/25 10:08

Lab Sample ID: 890-7864-4  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	106304	03/28/25 08:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	106303	03/28/25 12:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			106346	03/28/25 12:50	AJ	EET MID

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Lab Chronicle

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7864-1  
SDG: 03C2284005

Client Sample ID: FS29  
Date Collected: 03/24/25 15:38  
Date Received: 03/27/25 10:08

Lab Sample ID: 890-7864-4  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			106515	03/28/25 22:55	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	106290	03/28/25 07:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	106360	03/28/25 22:55	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	106317	03/28/25 10:08	SMC	EET MID
Soluble	Analysis	300.0		1			106369	03/28/25 20:57	CH	EET MID

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

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Accreditation/Certification Summary

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7864-1  
SDG: 03C2284005

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX



Method Summary

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7864-1  
SDG: 03C2284005

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

**Protocol References:**

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

**Laboratory References:**

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



Sample Summary

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7864-1  
SDG: 03C2284005

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-7864-1	FS23	Solid	03/24/25 11:08	03/27/25 10:08	2
890-7864-2	FS24	Solid	03/24/25 15:00	03/27/25 10:08	2
890-7864-3	FS27	Solid	03/24/25 15:24	03/27/25 10:08	2
890-7864-4	FS29	Solid	03/24/25 15:38	03/27/25 10:08	2

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## Environment Testing

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

## Chain of Custody



# 83U-1864 Chain of Custody

Page \_\_\_\_\_ of \_\_\_\_\_  
[www.xenco.com](http://www.xenco.com)

Project Manager:	Jeremy Reich	Bill to: (if different)	
Company Name:	Ensolum, LLC	Company Name:	
Address:	3122 National Parks Hwy	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	432-296-0627	Email:	jreich@ensolum.com

Work Order Comments	
Program: UST/PST	<input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>
State of Project:	
Reporting: Level II	<input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables: EDD	<input type="checkbox"/> ADAPT <input type="checkbox"/> Other:

Project Name:		FNR Mobley Pit		Turn Around												Pres. Code		ANALYSIS REQUEST										Preservative Codes					
Project Number:		03C2284005		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush																								None: NO DI Water: H <sub>2</sub> O					
Project Location:		32.296335, -103.924876		Due Date:		72-hrs																								Cool: Cool MeOH: Me			
Sampler's Name:		Alex Ferrell		TAT starts the day received by the lab, if received by 4:30pm																								HCL: HC HNO <sub>3</sub> : HN					
PO #:																												H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na					
SAMPLE RECEIPT		Temp Blank:		<input checked="" type="radio"/> Yes <input type="radio"/> No		Wet Ice:		<input checked="" type="radio"/> Yes <input type="radio"/> No																								H <sub>3</sub> PO <sub>4</sub> : HP	
Samples Received Intact:		<input checked="" type="radio"/> Yes <input type="radio"/> No		Thermometer ID:		744-067																								NaHSO <sub>4</sub> : NABIS			
Cooler Custody Seals:		<input checked="" type="radio"/> Yes <input type="radio"/> No		Correction Factor:		0.2																								Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>			
Sample Custody Seals:		<input checked="" type="radio"/> Yes <input type="radio"/> No		Temperature Reading:		4.2																								Zn Acetate+NaOH: Zn			
Total Containers:				Corrected Temperature:		4.0																								NaOH+Ascorbic Acid: SAPC			

[illegible]

	200.7 / 6010	200.8 / 6020:
<b>Total</b>	200.7 / 6010	200.8 / 6020:
Circle Method(s) and Metal(s) to be analyzed	8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn	8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn
	TCPLP/SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U	Hg: 1631 / 245.1 / 7470 / 7471

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

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	<i>[Signature]</i>	<i>[Signature]</i>	8:12 5/25			
2						
3						
4						
5						
6						



## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-7864-1

SDG Number: 03C2284005

Login Number: 7864

List Number: 1

Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	N/A	Refer to Job Narrative for details.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-7864-1

SDG Number: 03C2284005

Login Number: 7864

List Number: 2

Creator: Rios, Minerva

List Source: Eurofins Midland

List Creation: 03/28/25 08:03 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	





Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Jeremy Reich

Ensolum

601 N. Marienfeld St.

Suite 400

Midland, Texas 79701

Generated 3/28/2025 3:18:38 PM

## JOB DESCRIPTION

FNR MOBLEY PIT

03C2284005

## JOB NUMBER

890-7867-1

Eurofins Carlsbad  
1089 N Canal St.  
Carlsbad NM 88220

See page two for job notes and contact information.



# Eurofins Carlsbad

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



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



Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Laboratory Job ID: 890-7867-1  
SDG: 03C2284005

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Definitions/Glossary

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7867-1  
SDG: 03C2284005

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

Glossary

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



## Case Narrative

Client: Ensolum  
Project: FNR MOBLEY PIT

Job ID: 890-7867-1

**Job ID: 890-7867-1**

**Eurofins Carlsbad**

### Job Narrative 890-7867-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### Receipt

The samples were received on 3/27/2025 8:12 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.0°C.

#### Receipt Exceptions

The following samples analyzed for method were received and analyzed from an unpreserved bulk soil jar: FS21 (890-7867-1) and SW20 (890-7867-2).

#### GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-106273 and analytical batch 880-106237 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

#### Diesel Range Organics

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: FS21 (890-7867-1), SW20 (890-7867-2), (LCS 880-106261/2-A), (LCSD 880-106261/3-A), (890-7868-A-41-B MS) and (890-7868-A-41-C MSD). Evidence of matrix interferences is not obvious.

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

#### HPLC/IC

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

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## Client Sample Results

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7867-1  
SDG: 03C2284005

Client Sample ID: FS21

Lab Sample ID: 890-7867-1

Date Collected: 03/26/25 12:08

Matrix: Solid

Date Received: 03/27/25 08:12

Sample Depth: 4.5

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		03/27/25 22:10	03/28/25 07:10	1
Toluene	<0.00198	U	0.00198	mg/Kg		03/27/25 22:10	03/28/25 07:10	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/27/25 22:10	03/28/25 07:10	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		03/27/25 22:10	03/28/25 07:10	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		03/27/25 22:10	03/28/25 07:10	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		03/27/25 22:10	03/28/25 07:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	03/27/25 22:10	03/28/25 07:10	1
1,4-Difluorobenzene (Surr)	92		70 - 130	03/27/25 22:10	03/28/25 07:10	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397	mg/Kg			03/28/25 07:10	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5	mg/Kg			03/28/25 02:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5	mg/Kg		03/27/25 17:14	03/28/25 02:47	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5	mg/Kg		03/27/25 17:14	03/28/25 02:47	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5	mg/Kg		03/27/25 17:14	03/28/25 02:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	147	S1+	70 - 130	03/27/25 17:14	03/28/25 02:47	1
o-Terphenyl	161	S1+	70 - 130	03/27/25 17:14	03/28/25 02:47	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	749		50.1	mg/Kg			03/28/25 10:51	5

Client Sample ID: SW20

Lab Sample ID: 890-7867-2

Date Collected: 03/26/25 12:22

Matrix: Solid

Date Received: 03/27/25 08:12

Sample Depth: 0-4.5

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/27/25 22:10	03/28/25 07:31	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/27/25 22:10	03/28/25 07:31	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/27/25 22:10	03/28/25 07:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/27/25 22:10	03/28/25 07:31	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/27/25 22:10	03/28/25 07:31	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/27/25 22:10	03/28/25 07:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	03/27/25 22:10	03/28/25 07:31	1

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## Client Sample Results

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7867-1  
SDG: 03C2284005

Client Sample ID: SW20

Lab Sample ID: 890-7867-2

Date Collected: 03/26/25 12:22

Matrix: Solid

Date Received: 03/27/25 08:12

Sample Depth: 0-4.5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	94		70 - 130	03/27/25 22:10	03/28/25 07:31	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/28/25 07:31	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			03/28/25 03:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/27/25 17:14	03/28/25 03:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/27/25 17:14	03/28/25 03:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/27/25 17:14	03/28/25 03:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	162	S1+	70 - 130			03/27/25 17:14	03/28/25 03:02	1
o-Terphenyl	171	S1+	70 - 130			03/27/25 17:14	03/28/25 03:02	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	815		50.2	mg/Kg			03/28/25 10:59	5



## Surrogate Summary

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7867-1  
SDG: 03C2284005

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-7867-1	FS21	106	92
890-7867-2	SW20	100	94
890-7868-A-41-D MS	Matrix Spike	148 S1+	119
890-7868-A-41-E MSD	Matrix Spike Duplicate	107	104
LCS 880-106273/1-A	Lab Control Sample	93	108
LCSD 880-106273/2-A	Lab Control Sample Dup	95	98
MB 880-106273/5-A	Method Blank	93	75
<b>Surrogate Legend</b>			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-7867-1	FS21	147 S1+	161 S1+
890-7867-2	SW20	162 S1+	171 S1+
890-7868-A-41-B MS	Matrix Spike	123	138 S1+
890-7868-A-41-C MSD	Matrix Spike Duplicate	125	140 S1+
LCS 880-106261/2-A	Lab Control Sample	119	137 S1+
LCSD 880-106261/3-A	Lab Control Sample Dup	120	138 S1+
MB 880-106261/1-A	Method Blank	111	115
<b>Surrogate Legend</b>			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			



## QC Sample Results

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7867-1  
SDG: 03C2284005

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

Lab Sample ID: MB 880-106273/5-A

Matrix: Solid

Analysis Batch: 106237

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 106273

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/27/25 22:10	03/27/25 23:46	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/27/25 22:10	03/27/25 23:46	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/27/25 22:10	03/27/25 23:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/27/25 22:10	03/27/25 23:46	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/27/25 22:10	03/27/25 23:46	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/27/25 22:10	03/27/25 23:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	03/27/25 22:10	03/27/25 23:46	1
1,4-Difluorobenzene (Surr)	75		70 - 130	03/27/25 22:10	03/27/25 23:46	1

Lab Sample ID: LCS 880-106273/1-A

Matrix: Solid

Analysis Batch: 106237

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 106273

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1200		mg/Kg		120	70 - 130
Toluene	0.100	0.1083		mg/Kg		108	70 - 130
Ethylbenzene	0.100	0.1108		mg/Kg		111	70 - 130
m-Xylene & p-Xylene	0.200	0.2094		mg/Kg		105	70 - 130
o-Xylene	0.100	0.1000		mg/Kg		100	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: LCSD 880-106273/2-A

Matrix: Solid

Analysis Batch: 106237

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 106273

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1060		mg/Kg		106	70 - 130	12	35
Toluene	0.100	0.1087		mg/Kg		109	70 - 130	0	35
Ethylbenzene	0.100	0.1120		mg/Kg		112	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2154		mg/Kg		108	70 - 130	3	35
o-Xylene	0.100	0.1025		mg/Kg		103	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 890-7868-A-41-D MS

Matrix: Solid

Analysis Batch: 106237

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 106273

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00198	U	0.101	0.07889		mg/Kg		78	70 - 130
Toluene	<0.00198	U	0.101	0.08870		mg/Kg		88	70 - 130

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## QC Sample Results

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7867-1  
SDG: 03C2284005

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

Lab Sample ID: 890-7868-A-41-D MS

Matrix: Solid

Analysis Batch: 106237

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 106273

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00198	U	0.101	0.1200		mg/Kg		119	70 - 130
m-Xylene & p-Xylene	<0.00397	U F2 F1	0.201	0.3166	F1	mg/Kg		157	70 - 130
o-Xylene	<0.00198	U	0.101	0.1010		mg/Kg		100	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	148	S1+	70 - 130
1,4-Difluorobenzene (Surr)	119		70 - 130

Lab Sample ID: 890-7868-A-41-E MSD

Matrix: Solid

Analysis Batch: 106237

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 106273

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.100	0.08632		mg/Kg		86	70 - 130	9	35
Toluene	<0.00198	U	0.100	0.09100		mg/Kg		91	70 - 130	3	35
Ethylbenzene	<0.00198	U	0.100	0.1055		mg/Kg		105	70 - 130	13	35
m-Xylene & p-Xylene	<0.00397	U F2 F1	0.200	0.2139	F2	mg/Kg		107	70 - 130	39	35
o-Xylene	<0.00198	U	0.100	0.09031		mg/Kg		90	70 - 130	11	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

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

Lab Sample ID: MB 880-106261/1-A

Matrix: Solid

Analysis Batch: 106259

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 106261

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/27/25 17:14	03/27/25 12:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/27/25 17:14	03/27/25 12:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/27/25 17:14	03/27/25 12:43	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	03/27/25 17:14	03/27/25 12:43	1
o-Terphenyl	115		70 - 130	03/27/25 17:14	03/27/25 12:43	1

Lab Sample ID: LCS 880-106261/2-A

Matrix: Solid

Analysis Batch: 106259

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 106261

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1039		mg/Kg		104	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1205		mg/Kg		120	70 - 130

Eurofins Carlsbad



## QC Sample Results

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7867-1  
SDG: 03C2284005

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

Lab Sample ID: LCS 880-106261/2-A

Matrix: Solid

Analysis Batch: 106259

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 106261

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	119		70 - 130
o-Terphenyl	137	S1+	70 - 130

Lab Sample ID: LCSD 880-106261/3-A

Matrix: Solid

Analysis Batch: 106259

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 106261

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1057		mg/Kg		106	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1226		mg/Kg		123	70 - 130	2	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	120		70 - 130
o-Terphenyl	138	S1+	70 - 130

Lab Sample ID: 890-7868-A-41-B MS

Matrix: Solid

Analysis Batch: 106259

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 106261

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	1000	739.9		mg/Kg		74	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.8	U	1000	1015		mg/Kg		98	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	123		70 - 130
o-Terphenyl	138	S1+	70 - 130

Lab Sample ID: 890-7868-A-41-C MSD

Matrix: Solid

Analysis Batch: 106259

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 106261

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	1000	772.4		mg/Kg		77	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<49.8	U	1000	1026		mg/Kg		99	70 - 130	1	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	125		70 - 130
o-Terphenyl	140	S1+	70 - 130

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## QC Sample Results

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7867-1  
SDG: 03C2284005

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-106293/1-A  
Matrix: Solid  
Analysis Batch: 106323

Client Sample ID: Method Blank  
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	mg/Kg			03/28/25 05:21	1

Lab Sample ID: LCS 880-106293/2-A  
Matrix: Solid  
Analysis Batch: 106323

Client Sample ID: Lab Control Sample  
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	259.2		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-106293/3-A  
Matrix: Solid  
Analysis Batch: 106323

Client Sample ID: Lab Control Sample Dup  
Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	260.6		mg/Kg		104	90 - 110	1	20

Lab Sample ID: 890-7865-A-1-D MS  
Matrix: Solid  
Analysis Batch: 106323

Client Sample ID: Matrix Spike  
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2090		2500	4688		mg/Kg		104	90 - 110

Lab Sample ID: 890-7865-A-1-E MSD  
Matrix: Solid  
Analysis Batch: 106323

Client Sample ID: Matrix Spike Duplicate  
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2090		2500	4708		mg/Kg		105	90 - 110	0	20



QC Association Summary

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7867-1  
SDG: 03C2284005

GC VOA

Analysis Batch: 106237

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7867-1	FS21	Total/NA	Solid	8021B	106273
890-7867-2	SW20	Total/NA	Solid	8021B	106273
MB 880-106273/5-A	Method Blank	Total/NA	Solid	8021B	106273
LCS 880-106273/1-A	Lab Control Sample	Total/NA	Solid	8021B	106273
LCSD 880-106273/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	106273
890-7868-A-41-D MS	Matrix Spike	Total/NA	Solid	8021B	106273
890-7868-A-41-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	106273

Prep Batch: 106273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7867-1	FS21	Total/NA	Solid	5035	
890-7867-2	SW20	Total/NA	Solid	5035	
MB 880-106273/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-106273/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-106273/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7868-A-41-D MS	Matrix Spike	Total/NA	Solid	5035	
890-7868-A-41-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 106340

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7867-1	FS21	Total/NA	Solid	Total BTEX	
890-7867-2	SW20	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 106259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7867-1	FS21	Total/NA	Solid	8015B NM	106261
890-7867-2	SW20	Total/NA	Solid	8015B NM	106261
MB 880-106261/1-A	Method Blank	Total/NA	Solid	8015B NM	106261
LCS 880-106261/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	106261
LCSD 880-106261/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	106261
890-7868-A-41-B MS	Matrix Spike	Total/NA	Solid	8015B NM	106261
890-7868-A-41-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	106261

Prep Batch: 106261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7867-1	FS21	Total/NA	Solid	8015NM Prep	
890-7867-2	SW20	Total/NA	Solid	8015NM Prep	
MB 880-106261/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-106261/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-106261/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7868-A-41-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7868-A-41-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 106333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7867-1	FS21	Total/NA	Solid	8015 NM	
890-7867-2	SW20	Total/NA	Solid	8015 NM	



QC Association Summary

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7867-1  
SDG: 03C2284005

HPLC/IC

Leach Batch: 106293

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7867-1	FS21	Soluble	Solid	DI Leach	
890-7867-2	SW20	Soluble	Solid	DI Leach	
MB 880-106293/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-106293/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-106293/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-7865-A-1-D MS	Matrix Spike	Soluble	Solid	DI Leach	
890-7865-A-1-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 106323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7867-1	FS21	Soluble	Solid	300.0	106293
890-7867-2	SW20	Soluble	Solid	300.0	106293
MB 880-106293/1-A	Method Blank	Soluble	Solid	300.0	106293
LCS 880-106293/2-A	Lab Control Sample	Soluble	Solid	300.0	106293
LCSD 880-106293/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	106293
890-7865-A-1-D MS	Matrix Spike	Soluble	Solid	300.0	106293
890-7865-A-1-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	106293



Lab Chronicle

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7867-1  
SDG: 03C2284005

Client Sample ID: FS21  
Date Collected: 03/26/25 12:08  
Date Received: 03/27/25 08:12

Lab Sample ID: 890-7867-1  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	106273	03/27/25 22:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	106237	03/28/25 07:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			106340	03/28/25 07:10	AJ	EET MID
Total/NA	Analysis	8015 NM		1			106333	03/28/25 02:47	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	106261	03/27/25 17:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	106259	03/28/25 02:47	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	106293	03/27/25 18:45	SA	EET MID
Soluble	Analysis	300.0		5			106323	03/28/25 10:51	CH	EET MID

Client Sample ID: SW20  
Date Collected: 03/26/25 12:22  
Date Received: 03/27/25 08:12

Lab Sample ID: 890-7867-2  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	106273	03/27/25 22:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	106237	03/28/25 07:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			106340	03/28/25 07:31	AJ	EET MID
Total/NA	Analysis	8015 NM		1			106333	03/28/25 03:02	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	106261	03/27/25 17:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	106259	03/28/25 03:02	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	106293	03/27/25 18:45	SA	EET MID
Soluble	Analysis	300.0		5			106323	03/28/25 10:59	CH	EET MID

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



Accreditation/Certification Summary

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7867-1  
SDG: 03C2284005

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX



Method Summary

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7867-1  
SDG: 03C2284005

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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



Sample Summary

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7867-1  
SDG: 03C2284005

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-7867-1	FS21	Solid	03/26/25 12:08	03/27/25 08:12	4.5
890-7867-2	SW20	Solid	03/26/25 12:22	03/27/25 08:12	0-4.5

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14





Environment Testing  
Xenco

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

Chain of Custody



890-7867 Chain of Custody

www.xenco.com Page \_\_\_\_\_ of \_\_\_\_\_

Project Manager:	Jeremy Reich	Bill to: (if different)	
Company Name:	Ensolum, LLC	Company Name:	
Address:	3122 National Parks Hwy	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	432-296-0627	Email:	jreich@ensolum.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	FNR Mobley Pit	Turn Around	Pres. Code	ANALYSIS REQUEST																Preservative Codes	
Project Number:	03C2284005	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush																	None: NO	DI Water: H <sub>2</sub> O	
Project Location:	32.296335, -103.924876	Due Date:	24-hrs																Cool: Cool	MeOH: Me	
Sample Name:	Alex Ferrell	TAT starts the day received by the lab, if received by 4:30pm																	HCL: HC	HNO <sub>3</sub> : HN	
PO #:																			H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na	
SAMPLE RECEIPT	Temp Blank: <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Wet Ice: <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Thermometer ID: <u>7796067</u>	Parameters																H <sub>3</sub> PO <sub>4</sub> : HP	
Samples Received Intact:	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Correction Factor: <u>-0.2</u>																	NaHSO <sub>4</sub> : NABIS		
Cooler Custody Seals:	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Temperature Reading: <u>6.2</u>																	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>		
Sample Custody Seals:	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Corrected Temperature: <u>6.0</u>																	Zn Acetate+NaOH: Zn		
Total Containers:																			NaOH+Ascorbic Acid: SAPC		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Chloride	TPH	BTEX	Sample Comments										
FS21		3/25/2025	1208	4.5'	Comp	1	X	X	X											
SW20		3/25/2025	1222	0-4.5'	Comp	1	X	X	X											

Total 200.7 / 6010    200.8 / 6020:    8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO<sub>2</sub> Na Sr Ti Sn U V Zn

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

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		8:10 3/27			



## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-7867-1

SDG Number: 03C2284005

Login Number: 7867

List Number: 1

Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	N/A	Refer to Job Narrative for details.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-7867-1

SDG Number: 03C2284005

Login Number: 7867

List Number: 2

Creator: Laing, Edmundo

List Source: Eurofins Midland

List Creation: 03/28/25 06:44 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	





Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Jeremy Reich

Ensolum

601 N. Marienfeld St.

Suite 400

Midland, Texas 79701

Generated 4/1/2025 11:39:40 AM

## JOB DESCRIPTION

FNR MOBLEY PIT

03C2284005

## JOB NUMBER

890-7866-1

Eurofins Carlsbad  
1089 N Canal St.  
Carlsbad NM 88220

See page two for job notes and contact information.





# Eurofins Carlsbad

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



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Authorized for release by  
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Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Laboratory Job ID: 890-7866-1  
SDG: 03C2284005

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Definitions/Glossary

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7866-1  
SDG: 03C2284005

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

Glossary

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



## Case Narrative

Client: Ensolum  
Project: FNR MOBLEY PIT

Job ID: 890-7866-1

**Job ID: 890-7866-1**

**Eurofins Carlsbad**

### Job Narrative 890-7866-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### Receipt

The samples were received on 3/27/2025 8:12 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.0°C.

#### Receipt Exceptions

The following samples > were received and analyzed from an unpreserved bulk soil jar: SW12 (890-7866-1) and SW13 (890-7866-2).

#### GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-106273 and analytical batch 880-106237 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

#### Diesel Range Organics

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: SW12 (890-7866-1), (LCS 880-106261/2-A), (LCSD 880-106261/3-A), (890-7868-A-41-B MS) and (890-7868-A-41-C MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: Spike compounds were inadvertently omitted during the extraction process for the matrix spike/matrix spike duplicate (MS/MSD); therefore, matrix spike recoveries are unavailable for preparation batch 880-106288 and analytical batch 880-106416. The associated laboratory control sample (LCS) met acceptance criteria.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-106288/3-A). Evidence of matrix interferences is not obvious.

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

#### HPLC/IC

Method 300\_ORGFM\_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-106318 and analytical batch 880-106371 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated sample is: SW13 (890-7866-2).

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

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## Client Sample Results

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7866-1  
SDG: 03C2284005

Client Sample ID: SW12

Lab Sample ID: 890-7866-1

Date Collected: 03/26/25 15:37

Matrix: Solid

Date Received: 03/27/25 08:12

Sample Depth: 0-4

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/27/25 22:10	03/28/25 07:51	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/27/25 22:10	03/28/25 07:51	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/27/25 22:10	03/28/25 07:51	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		03/27/25 22:10	03/28/25 07:51	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/27/25 22:10	03/28/25 07:51	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		03/27/25 22:10	03/28/25 07:51	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	105		70 - 130			03/27/25 22:10	03/28/25 07:51	1
1,4-Difluorobenzene (Surr)	87		70 - 130			03/27/25 22:10	03/28/25 07:51	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			03/28/25 07:51	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			03/28/25 03:20	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		03/27/25 17:14	03/28/25 03:20	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		03/27/25 17:14	03/28/25 03:20	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		03/27/25 17:14	03/28/25 03:20	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane	156	S1+	70 - 130			03/27/25 17:14	03/28/25 03:20	1
o-Terphenyl	175	S1+	70 - 130			03/27/25 17:14	03/28/25 03:20	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	555		10.0	mg/Kg			03/28/25 21:04	1

Client Sample ID: SW13

Lab Sample ID: 890-7866-2

Date Collected: 03/26/25 15:40

Matrix: Solid

Date Received: 03/27/25 08:12

Sample Depth: 0-4

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/27/25 20:00	03/27/25 23:19	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/27/25 20:00	03/27/25 23:19	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/27/25 20:00	03/27/25 23:19	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/27/25 20:00	03/27/25 23:19	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/27/25 20:00	03/27/25 23:19	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/27/25 20:00	03/27/25 23:19	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	100		70 - 130			03/27/25 20:00	03/27/25 23:19	1

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## Client Sample Results

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7866-1  
SDG: 03C2284005

Client Sample ID: SW13

Lab Sample ID: 890-7866-2

Date Collected: 03/26/25 15:40

Matrix: Solid

Date Received: 03/27/25 08:12

Sample Depth: 0-4

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	93		70 - 130	03/27/25 20:00	03/27/25 23:19	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/27/25 23:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			03/30/25 01:28	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	49.9	mg/Kg		03/28/25 06:57	03/30/25 01:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1	49.9	mg/Kg		03/28/25 06:57	03/30/25 01:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/28/25 06:57	03/30/25 01:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130			03/28/25 06:57	03/30/25 01:28	1
o-Terphenyl	113		70 - 130			03/28/25 06:57	03/30/25 01:28	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1320		101	mg/Kg			03/31/25 20:09	10



## Surrogate Summary

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7866-1  
SDG: 03C2284005

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-7848-A-1-A MS	Matrix Spike	130	102
890-7848-A-1-B MSD	Matrix Spike Duplicate	103	89
890-7866-1	SW12	105	87
890-7866-2	SW13	100	93
890-7868-A-41-D MS	Matrix Spike	148 S1+	119
890-7868-A-41-E MSD	Matrix Spike Duplicate	107	104
LCS 880-106182/1-A	Lab Control Sample	127	90
LCS 880-106273/1-A	Lab Control Sample	93	108
LCSD 880-106182/2-A	Lab Control Sample Dup	117	99
LCSD 880-106273/2-A	Lab Control Sample Dup	95	98
MB 880-106182/5-A	Method Blank	93	89
MB 880-106273/5-A	Method Blank	93	75
<b>Surrogate Legend</b>			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-7866-1	SW12	156 S1+	175 S1+
890-7866-2	SW13	115	113
890-7866-2 MS	SW13	114	114
890-7866-2 MSD	SW13	118	117
890-7868-A-41-B MS	Matrix Spike	123	138 S1+
890-7868-A-41-C MSD	Matrix Spike Duplicate	125	140 S1+
LCS 880-106261/2-A	Lab Control Sample	119	137 S1+
LCS 880-106288/2-A	Lab Control Sample	105	114
LCSD 880-106261/3-A	Lab Control Sample Dup	120	138 S1+
LCSD 880-106288/3-A	Lab Control Sample Dup	146 S1+	133 S1+
MB 880-106261/1-A	Method Blank	111	115
MB 880-106288/1-A	Method Blank	112	111
<b>Surrogate Legend</b>			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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## QC Sample Results

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7866-1  
SDG: 03C2284005

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

Lab Sample ID: MB 880-106182/5-A

Matrix: Solid

Analysis Batch: 106175

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 106182

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/27/25 10:00	03/27/25 12:22	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/27/25 10:00	03/27/25 12:22	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/27/25 10:00	03/27/25 12:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/27/25 10:00	03/27/25 12:22	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/27/25 10:00	03/27/25 12:22	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/27/25 10:00	03/27/25 12:22	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	03/27/25 10:00	03/27/25 12:22	1
1,4-Difluorobenzene (Surr)	89		70 - 130	03/27/25 10:00	03/27/25 12:22	1

Lab Sample ID: LCS 880-106182/1-A

Matrix: Solid

Analysis Batch: 106175

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 106182

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09931		mg/Kg		99	70 - 130
Toluene	0.100	0.09773		mg/Kg		98	70 - 130
Ethylbenzene	0.100	0.1233		mg/Kg		123	70 - 130
m-Xylene & p-Xylene	0.200	0.2374		mg/Kg		119	70 - 130
o-Xylene	0.100	0.1137		mg/Kg		114	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	127		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: LCSD 880-106182/2-A

Matrix: Solid

Analysis Batch: 106175

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 106182

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09850		mg/Kg		98	70 - 130	1	35
Toluene	0.100	0.09297		mg/Kg		93	70 - 130	5	35
Ethylbenzene	0.100	0.08745		mg/Kg		87	70 - 130	34	35
m-Xylene & p-Xylene	0.200	0.1691		mg/Kg		85	70 - 130	34	35
o-Xylene	0.100	0.1051		mg/Kg		105	70 - 130	8	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 890-7848-A-1-A MS

Matrix: Solid

Analysis Batch: 106175

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 106182

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00198	U	0.101	0.1014		mg/Kg		101	70 - 130
Toluene	<0.00198	U	0.101	0.09517		mg/Kg		95	70 - 130

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## QC Sample Results

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7866-1  
SDG: 03C2284005

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

Lab Sample ID: 890-7848-A-1-A MS

Matrix: Solid

Analysis Batch: 106175

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 106182

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	
	Result	Qualifier	Added	Result	Qualifier				Limits	
Ethylbenzene	<0.00198	U	0.101	0.1180		mg/Kg		117	70 - 130	
m-Xylene & p-Xylene	<0.00397	U	0.201	0.2331		mg/Kg		116	70 - 130	
o-Xylene	<0.00198	U	0.101	0.1122		mg/Kg		112	70 - 130	
Surrogate	MS	MS	Limits							
	%Recovery	Qualifier								
4-Bromofluorobenzene (Surr)	130		70 - 130							
1,4-Difluorobenzene (Surr)	102		70 - 130							

Lab Sample ID: 890-7848-A-1-B MSD

Matrix: Solid

Analysis Batch: 106175

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 106182

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec		RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits		RPD	Limit
Benzene	<0.00198	U	0.100	0.09282		mg/Kg		93	70 - 130		9	35
Toluene	<0.00198	U	0.100	0.09157		mg/Kg		91	70 - 130		4	35
Ethylbenzene	<0.00198	U	0.100	0.08537		mg/Kg		85	70 - 130		32	35
m-Xylene & p-Xylene	<0.00397	U	0.200	0.1852		mg/Kg		92	70 - 130		23	35
o-Xylene	<0.00198	U	0.100	0.08887		mg/Kg		89	70 - 130		23	35
Surrogate	MSD	MSD	Limits									
	%Recovery	Qualifier										
4-Bromofluorobenzene (Surr)	103		70 - 130									
1,4-Difluorobenzene (Surr)	89		70 - 130									

Lab Sample ID: MB 880-106273/5-A

Matrix: Solid

Analysis Batch: 106237

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 106273

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Benzene	<0.00200	U	0.00200	mg/Kg		03/27/25 22:10	03/27/25 23:46	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/27/25 22:10	03/27/25 23:46	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/27/25 22:10	03/27/25 23:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/27/25 22:10	03/27/25 23:46	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/27/25 22:10	03/27/25 23:46	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/27/25 22:10	03/27/25 23:46	1
Surrogate	MB	MB	Limits					
	%Recovery	Qualifier						
4-Bromofluorobenzene (Surr)	93		70 - 130			03/27/25 22:10	03/27/25 23:46	1
1,4-Difluorobenzene (Surr)	75		70 - 130			03/27/25 22:10	03/27/25 23:46	1

Lab Sample ID: LCS 880-106273/1-A

Matrix: Solid

Analysis Batch: 106237

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 106273

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec	
							Limits	
Benzene	0.100	0.1200		mg/Kg		120	70 - 130	
Toluene	0.100	0.1083		mg/Kg		108	70 - 130	
Ethylbenzene	0.100	0.1108		mg/Kg		111	70 - 130	
m-Xylene & p-Xylene	0.200	0.2094		mg/Kg		105	70 - 130	

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## QC Sample Results

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7866-1  
SDG: 03C2284005

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

Lab Sample ID: LCS 880-106273/1-A

Matrix: Solid

Analysis Batch: 106237

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 106273

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.1000		mg/Kg		100	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	93		70 - 130				
1,4-Difluorobenzene (Surr)	108		70 - 130				

Lab Sample ID: LCSD 880-106273/2-A

Matrix: Solid

Analysis Batch: 106237

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 106273

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1060		mg/Kg		106	70 - 130	12	35
Toluene	0.100	0.1087		mg/Kg		109	70 - 130	0	35
Ethylbenzene	0.100	0.1120		mg/Kg		112	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2154		mg/Kg		108	70 - 130	3	35
o-Xylene	0.100	0.1025		mg/Kg		103	70 - 130	2	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	95		70 - 130						
1,4-Difluorobenzene (Surr)	98		70 - 130						

Lab Sample ID: 890-7868-A-41-D MS

Matrix: Solid

Analysis Batch: 106237

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 106273

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00198	U	0.101	0.07889		mg/Kg		78	70 - 130
Toluene	<0.00198	U	0.101	0.08870		mg/Kg		88	70 - 130
Ethylbenzene	<0.00198	U	0.101	0.1200		mg/Kg		119	70 - 130
m-Xylene & p-Xylene	<0.00397	U F2 F1	0.201	0.3166	F1	mg/Kg		157	70 - 130
o-Xylene	<0.00198	U	0.101	0.1010		mg/Kg		100	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	148	S1+	70 - 130						
1,4-Difluorobenzene (Surr)	119		70 - 130						

Lab Sample ID: 890-7868-A-41-E MSD

Matrix: Solid

Analysis Batch: 106237

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 106273

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.100	0.08632		mg/Kg		86	70 - 130	9	35
Toluene	<0.00198	U	0.100	0.09100		mg/Kg		91	70 - 130	3	35
Ethylbenzene	<0.00198	U	0.100	0.1055		mg/Kg		105	70 - 130	13	35
m-Xylene & p-Xylene	<0.00397	U F2 F1	0.200	0.2139	F2	mg/Kg		107	70 - 130	39	35
o-Xylene	<0.00198	U	0.100	0.09031		mg/Kg		90	70 - 130	11	35

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## QC Sample Results

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7866-1  
SDG: 03C2284005

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

Lab Sample ID: 890-7868-A-41-E MSD

Matrix: Solid

Analysis Batch: 106237

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 106273

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

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

Lab Sample ID: MB 880-106261/1-A

Matrix: Solid

Analysis Batch: 106259

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 106261

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/27/25 17:14	03/27/25 12:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/27/25 17:14	03/27/25 12:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/27/25 17:14	03/27/25 12:43	1
Surrogate	MB MB		Limits			Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier						
1-Chlorooctane	111		70 - 130			03/27/25 17:14	03/27/25 12:43	1
o-Terphenyl	115		70 - 130			03/27/25 17:14	03/27/25 12:43	1

Lab Sample ID: LCS 880-106261/2-A

Matrix: Solid

Analysis Batch: 106259

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 106261

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1039		mg/Kg		104	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1205		mg/Kg		120	70 - 130
Surrogate	LCS LCS		Limits				
	%Recovery	Qualifier					
1-Chlorooctane	119		70 - 130				
o-Terphenyl	137	S1+	70 - 130				

Lab Sample ID: LCSD 880-106261/3-A

Matrix: Solid

Analysis Batch: 106259

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 106261

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1057		mg/Kg		106	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1226		mg/Kg		123	70 - 130	2	20
Surrogate	LCSD LCSD		Limits						
	%Recovery	Qualifier							
1-Chlorooctane	120		70 - 130						
o-Terphenyl	138	S1+	70 - 130						

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## QC Sample Results

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7866-1  
SDG: 03C2284005

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

Lab Sample ID: 890-7868-A-41-B MS

Matrix: Solid

Analysis Batch: 106259

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 106261

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	1000	739.9		mg/Kg		74	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U	1000	1015		mg/Kg		98	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	123		70 - 130						
o-Terphenyl	138	S1+	70 - 130						

Lab Sample ID: 890-7868-A-41-C MSD

Matrix: Solid

Analysis Batch: 106259

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 106261

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	1000	772.4		mg/Kg		77	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<49.8	U	1000	1026		mg/Kg		99	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	125		70 - 130								
o-Terphenyl	140	S1+	70 - 130								

Lab Sample ID: MB 880-106288/1-A

Matrix: Solid

Analysis Batch: 106416

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 106288

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/28/25 06:57	03/30/25 00:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/28/25 06:57	03/30/25 00:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/28/25 06:57	03/30/25 00:40	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130			03/28/25 06:57	03/30/25 00:40	1
o-Terphenyl	111		70 - 130			03/28/25 06:57	03/30/25 00:40	1

Lab Sample ID: LCS 880-106288/2-A

Matrix: Solid

Analysis Batch: 106416

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 106288

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	922.3		mg/Kg		92	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1031		mg/Kg		103	70 - 130

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## QC Sample Results

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7866-1  
SDG: 03C2284005

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

Lab Sample ID: LCS 880-106288/2-A

Matrix: Solid

Analysis Batch: 106416

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 106288

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	114		70 - 130

Lab Sample ID: LCSD 880-106288/3-A

Matrix: Solid

Analysis Batch: 106416

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 106288

	Spike	LCSD	LCSD						%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit			
Gasoline Range Organics (GRO)-C6-C10	1000	1054		mg/Kg		105	70 - 130	13	20			
Diesel Range Organics (Over C10-C28)	1000	1150		mg/Kg		115	70 - 130	11	20			

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	146	S1+	70 - 130
o-Terphenyl	133	S1+	70 - 130

Lab Sample ID: 890-7866-2 MS

Matrix: Solid

Analysis Batch: 106416

Client Sample ID: SW13

Prep Type: Total/NA

Prep Batch: 106288

	Sample	Sample	Spike	MS	MS				%Rec			
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	996	<49.8	U F1	mg/Kg		0	70 - 130			
Diesel Range Organics (Over C10-C28)	<49.9	U F1	996	<49.8	U F1	mg/Kg		0	70 - 130			

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

Lab Sample ID: 890-7866-2 MSD

Matrix: Solid

Analysis Batch: 106416

Client Sample ID: SW13

Prep Type: Total/NA

Prep Batch: 106288

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	996	<49.8	U F1	mg/Kg		0	70 - 130	NC	20	
Diesel Range Organics (Over C10-C28)	<49.9	U F1	996	<49.8	U F1	mg/Kg		0	70 - 130	NC	20	

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	118		70 - 130
o-Terphenyl	117		70 - 130

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## QC Sample Results

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7866-1  
SDG: 03C2284005

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-106317/1-A

Matrix: Solid

Analysis Batch: 106369

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	mg/Kg			03/28/25 17:29	1

Lab Sample ID: LCS 880-106317/2-A

Matrix: Solid

Analysis Batch: 106369

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	254.5		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-106317/3-A

Matrix: Solid

Analysis Batch: 106369

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	255.3		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 880-56120-A-23-C MS

Matrix: Solid

Analysis Batch: 106369

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	220		250	474.1		mg/Kg		102	90 - 110

Lab Sample ID: 880-56120-A-23-D MSD

Matrix: Solid

Analysis Batch: 106369

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	220		250	468.9		mg/Kg		100	90 - 110	1	20

Lab Sample ID: MB 880-106318/1-A

Matrix: Solid

Analysis Batch: 106371

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	mg/Kg			03/31/25 17:17	1

Lab Sample ID: LCS 880-106318/2-A

Matrix: Solid

Analysis Batch: 106371

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	251.3		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-106318/3-A

Matrix: Solid

Analysis Batch: 106371

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	251.9		mg/Kg		101	90 - 110	0	20

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QC Sample Results

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7866-1  
SDG: 03C2284005

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-56128-A-1-E MS

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 106371

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	5520		2520	8032		mg/Kg		100	90 - 110

Lab Sample ID: 880-56128-A-1-F MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 106371

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	5520		2520	8070		mg/Kg		102	90 - 110	0	20



## QC Association Summary

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7866-1  
SDG: 03C2284005

## GC VOA

## Analysis Batch: 106175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7866-2	SW13	Total/NA	Solid	8021B	106182
MB 880-106182/5-A	Method Blank	Total/NA	Solid	8021B	106182
LCS 880-106182/1-A	Lab Control Sample	Total/NA	Solid	8021B	106182
LCSD 880-106182/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	106182
890-7848-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	106182
890-7848-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	106182

## Prep Batch: 106182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7866-2	SW13	Total/NA	Solid	5035	
MB 880-106182/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-106182/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-106182/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7848-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
890-7848-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

## Analysis Batch: 106237

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7866-1	SW12	Total/NA	Solid	8021B	106273
MB 880-106273/5-A	Method Blank	Total/NA	Solid	8021B	106273
LCS 880-106273/1-A	Lab Control Sample	Total/NA	Solid	8021B	106273
LCSD 880-106273/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	106273
890-7868-A-41-D MS	Matrix Spike	Total/NA	Solid	8021B	106273
890-7868-A-41-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	106273

## Prep Batch: 106273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7866-1	SW12	Total/NA	Solid	5035	
MB 880-106273/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-106273/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-106273/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7868-A-41-D MS	Matrix Spike	Total/NA	Solid	5035	
890-7868-A-41-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

## Analysis Batch: 106341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7866-1	SW12	Total/NA	Solid	Total BTEX	
890-7866-2	SW13	Total/NA	Solid	Total BTEX	

## GC Semi VOA

## Analysis Batch: 106259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7866-1	SW12	Total/NA	Solid	8015B NM	106261
MB 880-106261/1-A	Method Blank	Total/NA	Solid	8015B NM	106261
LCS 880-106261/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	106261
LCSD 880-106261/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	106261
890-7868-A-41-B MS	Matrix Spike	Total/NA	Solid	8015B NM	106261
890-7868-A-41-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	106261

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## QC Association Summary

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7866-1  
SDG: 03C2284005

## GC Semi VOA

## Prep Batch: 106261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7866-1	SW12	Total/NA	Solid	8015NM Prep	
MB 880-106261/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-106261/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-106261/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7868-A-41-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7868-A-41-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

## Prep Batch: 106288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7866-2	SW13	Total/NA	Solid	8015NM Prep	
MB 880-106288/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-106288/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-106288/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7866-2 MS	SW13	Total/NA	Solid	8015NM Prep	
890-7866-2 MSD	SW13	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 106334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7866-1	SW12	Total/NA	Solid	8015 NM	
890-7866-2	SW13	Total/NA	Solid	8015 NM	

## Analysis Batch: 106416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7866-2	SW13	Total/NA	Solid	8015B NM	106288
MB 880-106288/1-A	Method Blank	Total/NA	Solid	8015B NM	106288
LCS 880-106288/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	106288
LCSD 880-106288/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	106288
890-7866-2 MS	SW13	Total/NA	Solid	8015B NM	106288
890-7866-2 MSD	SW13	Total/NA	Solid	8015B NM	106288

## HPLC/IC

## Leach Batch: 106317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7866-1	SW12	Soluble	Solid	DI Leach	
MB 880-106317/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-106317/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-106317/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-56120-A-23-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-56120-A-23-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

## Leach Batch: 106318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7866-2	SW13	Soluble	Solid	DI Leach	
MB 880-106318/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-106318/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-106318/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-56128-A-1-E MS	Matrix Spike	Soluble	Solid	DI Leach	
880-56128-A-1-F MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

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## QC Association Summary

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7866-1  
SDG: 03C2284005

## HPLC/IC

## Analysis Batch: 106369

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7866-1	SW12	Soluble	Solid	300.0	106317
MB 880-106317/1-A	Method Blank	Soluble	Solid	300.0	106317
LCS 880-106317/2-A	Lab Control Sample	Soluble	Solid	300.0	106317
LCSD 880-106317/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	106317
880-56120-A-23-C MS	Matrix Spike	Soluble	Solid	300.0	106317
880-56120-A-23-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	106317

## Analysis Batch: 106371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7866-2	SW13	Soluble	Solid	300.0	106318
MB 880-106318/1-A	Method Blank	Soluble	Solid	300.0	106318
LCS 880-106318/2-A	Lab Control Sample	Soluble	Solid	300.0	106318
LCSD 880-106318/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	106318
880-56128-A-1-E MS	Matrix Spike	Soluble	Solid	300.0	106318
880-56128-A-1-F MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	106318



Lab Chronicle

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7866-1  
SDG: 03C2284005

Client Sample ID: SW12  
Date Collected: 03/26/25 15:37  
Date Received: 03/27/25 08:12

Lab Sample ID: 890-7866-1  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	106273	03/27/25 22:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	106237	03/28/25 07:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			106341	03/28/25 07:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			106334	03/28/25 03:20	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	106261	03/27/25 17:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	106259	03/28/25 03:20	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	106317	03/28/25 10:08	SMC	EET MID
Soluble	Analysis	300.0		1			106369	03/28/25 21:04	CH	EET MID

Client Sample ID: SW13  
Date Collected: 03/26/25 15:40  
Date Received: 03/27/25 08:12

Lab Sample ID: 890-7866-2  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	106182	03/27/25 20:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	106175	03/27/25 23:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			106341	03/27/25 23:19	AJ	EET MID
Total/NA	Analysis	8015 NM		1			106334	03/30/25 01:28	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	106288	03/28/25 06:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	106416	03/30/25 01:28	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	106318	03/28/25 10:15	SMC	EET MID
Soluble	Analysis	300.0		10			106371	03/31/25 20:09	SMC	EET MID

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



Accreditation/Certification Summary

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7866-1  
SDG: 03C2284005

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX



Method Summary

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7866-1  
SDG: 03C2284005

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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



Sample Summary

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7866-1  
SDG: 03C2284005

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-7866-1	SW12	Solid	03/26/25 15:37	03/27/25 08:12	0-4
890-7866-2	SW13	Solid	03/26/25 15:40	03/27/25 08:12	0-4

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## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-7866-1

SDG Number: 03C2284005

Login Number: 7866

List Number: 1

Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	N/A	Refer to Job Narrative for details.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-7866-1

SDG Number: 03C2284005

Login Number: 7866

List Number: 2

Creator: Laing, Edmundo

List Source: Eurofins Midland

List Creation: 03/28/25 06:44 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	





Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Jeremy Reich  
Ensolum  
601 N. Marienfeld St.  
Suite 400  
Midland, Texas 79701  
Generated 4/1/2025 3:25:11 PM

## JOB DESCRIPTION

FNR MOBLEY PIT  
03C2284005

## JOB NUMBER

890-7879-1

Eurofins Carlsbad  
1089 N Canal St.  
Carlsbad NM 88220



# Eurofins Carlsbad

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



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



Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Laboratory Job ID: 890-7879-1  
SDG: 03C2284005

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Definitions/Glossary

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7879-1  
SDG: 03C2284005

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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



## Case Narrative

Client: Ensolum  
Project: FNR MOBLEY PIT

Job ID: 890-7879-1

**Job ID: 890-7879-1**

**Eurofins Carlsbad**

### Job Narrative 890-7879-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### Receipt

The sample was received on 3/28/2025 2:28 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.4°C.

#### GC VOA

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

#### Diesel Range Organics

Method 8015MOD\_NM: The matrix spike (MS) recoveries for preparation batch 880-106445 and analytical batch 880-106488 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-106445/2-A). Evidence of matrix interferences is not obvious.

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

#### HPLC/IC

Method 300\_ORGFM\_28D - Soluble: TheChloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-106327 and analytical batch 880-106572 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: FS19 (890-7879-1), (880-56140-A-8-C), (880-56140-A-8-D MS) and (880-56140-A-8-E MSD).

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

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## Client Sample Results

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7879-1  
SDG: 03C2284005

Client Sample ID: FS19

Lab Sample ID: 890-7879-1

Date Collected: 03/28/25 09:40

Matrix: Solid

Date Received: 03/28/25 14:28

Sample Depth: 10

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		04/01/25 08:53	04/01/25 14:00	1
Toluene	<0.00200	U	0.00200	mg/Kg		04/01/25 08:53	04/01/25 14:00	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		04/01/25 08:53	04/01/25 14:00	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		04/01/25 08:53	04/01/25 14:00	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		04/01/25 08:53	04/01/25 14:00	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		04/01/25 08:53	04/01/25 14:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	04/01/25 08:53	04/01/25 14:00	1
1,4-Difluorobenzene (Surr)	94		70 - 130	04/01/25 08:53	04/01/25 14:00	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			04/01/25 14:00	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	mg/Kg			03/31/25 17:50	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6	mg/Kg		03/31/25 08:18	03/31/25 17:50	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		03/31/25 08:18	03/31/25 17:50	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		03/31/25 08:18	03/31/25 17:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	03/31/25 08:18	03/31/25 17:50	1
o-Terphenyl	110		70 - 130	03/31/25 08:18	03/31/25 17:50	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1260		99.2	mg/Kg			04/01/25 03:02	10

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## Surrogate Summary

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7879-1  
SDG: 03C2284005

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-7879-1	FS19	114	94
890-7901-A-1-D MS	Matrix Spike	98	100
890-7901-A-1-E MSD	Matrix Spike Duplicate	99	99
LCS 880-106621/1-A	Lab Control Sample	106	99
LCSD 880-106621/2-A	Lab Control Sample Dup	104	100
MB 880-106621/5-A	Method Blank	109	87
<b>Surrogate Legend</b>			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-7878-A-1-E MS	Matrix Spike	119	127
890-7878-A-1-F MSD	Matrix Spike Duplicate	100	123
890-7879-1	FS19	113	110
LCS 880-106445/2-A	Lab Control Sample	133 S1+	126
LCSD 880-106445/3-A	Lab Control Sample Dup	118	111
MB 880-106445/1-A	Method Blank	89	86
<b>Surrogate Legend</b>			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			



## QC Sample Results

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7879-1  
SDG: 03C2284005

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

Lab Sample ID: MB 880-106621/5-A

Matrix: Solid

Analysis Batch: 106612

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 106621

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		04/01/25 08:53	04/01/25 11:15	1
Toluene	<0.00200	U	0.00200	mg/Kg		04/01/25 08:53	04/01/25 11:15	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		04/01/25 08:53	04/01/25 11:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		04/01/25 08:53	04/01/25 11:15	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		04/01/25 08:53	04/01/25 11:15	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		04/01/25 08:53	04/01/25 11:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	04/01/25 08:53	04/01/25 11:15	1
1,4-Difluorobenzene (Surr)	87		70 - 130	04/01/25 08:53	04/01/25 11:15	1

Lab Sample ID: LCS 880-106621/1-A

Matrix: Solid

Analysis Batch: 106612

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 106621

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1129		mg/Kg		113	70 - 130
Toluene	0.100	0.09801		mg/Kg		98	70 - 130
Ethylbenzene	0.100	0.09929		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	0.200	0.2014		mg/Kg		101	70 - 130
o-Xylene	0.100	0.1024		mg/Kg		102	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-106621/2-A

Matrix: Solid

Analysis Batch: 106612

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 106621

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1147		mg/Kg		115	70 - 130	2	35
Toluene	0.100	0.09722		mg/Kg		97	70 - 130	1	35
Ethylbenzene	0.100	0.09784		mg/Kg		98	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1978		mg/Kg		99	70 - 130	2	35
o-Xylene	0.100	0.1004		mg/Kg		100	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 890-7901-A-1-D MS

Matrix: Solid

Analysis Batch: 106612

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 106621

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0996	0.1018		mg/Kg		102	70 - 130
Toluene	<0.00199	U	0.0996	0.08544		mg/Kg		86	70 - 130

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## QC Sample Results

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7879-1  
SDG: 03C2284005

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

Lab Sample ID: 890-7901-A-1-D MS

Matrix: Solid

Analysis Batch: 106612

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 106621

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U	0.0996	0.08575		mg/Kg		86	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1723		mg/Kg		86	70 - 130
o-Xylene	<0.00199	U	0.0996	0.08678		mg/Kg		87	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 890-7901-A-1-E MSD

Matrix: Solid

Analysis Batch: 106612

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 106621

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.1009		mg/Kg		101	70 - 130	1	35
Toluene	<0.00199	U	0.100	0.08639		mg/Kg		86	70 - 130	1	35
Ethylbenzene	<0.00199	U	0.100	0.08714		mg/Kg		87	70 - 130	2	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1766		mg/Kg		88	70 - 130	2	35
o-Xylene	<0.00199	U	0.100	0.08935		mg/Kg		89	70 - 130	3	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

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

Lab Sample ID: MB 880-106445/1-A

Matrix: Solid

Analysis Batch: 106488

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 106445

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/31/25 08:18	03/31/25 10:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/31/25 08:18	03/31/25 10:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/31/25 08:18	03/31/25 10:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	03/31/25 08:18	03/31/25 10:17	1
o-Terphenyl	86		70 - 130	03/31/25 08:18	03/31/25 10:17	1

Lab Sample ID: LCS 880-106445/2-A

Matrix: Solid

Analysis Batch: 106488

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 106445

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	845.3		mg/Kg		85	70 - 130
Diesel Range Organics (Over C10-C28)	1000	993.0		mg/Kg		99	70 - 130

Eurofins Carlsbad



## QC Sample Results

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7879-1  
SDG: 03C2284005

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

Lab Sample ID: LCS 880-106445/2-A

Matrix: Solid

Analysis Batch: 106488

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 106445

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	133	S1+	70 - 130
o-Terphenyl	126		70 - 130

Lab Sample ID: LCSD 880-106445/3-A

Matrix: Solid

Analysis Batch: 106488

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 106445

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	774.6		mg/Kg		77	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	1000	889.0		mg/Kg		89	70 - 130	11	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	118		70 - 130
o-Terphenyl	111		70 - 130

Lab Sample ID: 890-7878-A-1-E MS

Matrix: Solid

Analysis Batch: 106488

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 106445

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	53.1	F1	997	762.5		mg/Kg		71	70 - 130
Diesel Range Organics (Over C10-C28)	966		997	1797		mg/Kg		83	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	119		70 - 130
o-Terphenyl	127		70 - 130

Lab Sample ID: 890-7878-A-1-F MSD

Matrix: Solid

Analysis Batch: 106488

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 106445

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	53.1	F1	997	745.9	F1	mg/Kg		69	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	966		997	1811		mg/Kg		85	70 - 130	1	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	123		70 - 130

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## QC Sample Results

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7879-1  
SDG: 03C2284005

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-106327/1-A  
Matrix: Solid  
Analysis Batch: 106572

Client Sample ID: Method Blank  
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	mg/Kg			04/01/25 00:38	1

Lab Sample ID: LCS 880-106327/2-A  
Matrix: Solid  
Analysis Batch: 106572

Client Sample ID: Lab Control Sample  
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	248.2		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-106327/3-A  
Matrix: Solid  
Analysis Batch: 106572

Client Sample ID: Lab Control Sample Dup  
Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	251.7		mg/Kg		101	90 - 110	1	20

Lab Sample ID: 880-56140-A-8-D MS  
Matrix: Solid  
Analysis Batch: 106572

Client Sample ID: Matrix Spike  
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	210	F1	251	415.8	F1	mg/Kg		82	90 - 110

Lab Sample ID: 880-56140-A-8-E MSD  
Matrix: Solid  
Analysis Batch: 106572

Client Sample ID: Matrix Spike Duplicate  
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	210	F1	251	414.2	F1	mg/Kg		81	90 - 110	0	20



## QC Association Summary

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7879-1  
SDG: 03C2284005

## GC VOA

## Analysis Batch: 106612

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7879-1	FS19	Total/NA	Solid	8021B	106621
MB 880-106621/5-A	Method Blank	Total/NA	Solid	8021B	106621
LCS 880-106621/1-A	Lab Control Sample	Total/NA	Solid	8021B	106621
LCSD 880-106621/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	106621
890-7901-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	106621
890-7901-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	106621

## Prep Batch: 106621

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7879-1	FS19	Total/NA	Solid	5035	
MB 880-106621/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-106621/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-106621/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7901-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
890-7901-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

## Analysis Batch: 106687

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7879-1	FS19	Total/NA	Solid	Total BTEX	

## GC Semi VOA

## Prep Batch: 106445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7879-1	FS19	Total/NA	Solid	8015NM Prep	
MB 880-106445/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-106445/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-106445/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7878-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7878-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 106488

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7879-1	FS19	Total/NA	Solid	8015B NM	106445
MB 880-106445/1-A	Method Blank	Total/NA	Solid	8015B NM	106445
LCS 880-106445/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	106445
LCSD 880-106445/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	106445
890-7878-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	106445
890-7878-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	106445

## Analysis Batch: 106654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7879-1	FS19	Total/NA	Solid	8015 NM	

## HPLC/IC

## Leach Batch: 106327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7879-1	FS19	Soluble	Solid	DI Leach	
MB 880-106327/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-106327/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-106327/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7879-1  
SDG: 03C2284005

HPLC/IC (Continued)

Leach Batch: 106327 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56140-A-8-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-56140-A-8-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 106572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7879-1	FS19	Soluble	Solid	300.0	106327
MB 880-106327/1-A	Method Blank	Soluble	Solid	300.0	106327
LCS 880-106327/2-A	Lab Control Sample	Soluble	Solid	300.0	106327
LCSD 880-106327/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	106327
880-56140-A-8-D MS	Matrix Spike	Soluble	Solid	300.0	106327
880-56140-A-8-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	106327



Lab Chronicle

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7879-1  
SDG: 03C2284005

Client Sample ID: FS19  
Date Collected: 03/28/25 09:40  
Date Received: 03/28/25 14:28

Lab Sample ID: 890-7879-1  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	106621	04/01/25 08:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	106612	04/01/25 14:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			106687	04/01/25 14:00	AJ	EET MID
Total/NA	Analysis	8015 NM		1			106654	03/31/25 17:50	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	106445	03/31/25 08:18	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	106488	03/31/25 17:50	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	106327	03/31/25 16:00	SMC	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	106572	04/01/25 03:02	SMC	EET MID

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



Accreditation/Certification Summary

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7879-1  
SDG: 03C2284005

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX



Method Summary

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7879-1  
SDG: 03C2284005

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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



Sample Summary

Client: Ensolum  
Project/Site: FNR MOBLEY PIT

Job ID: 890-7879-1  
SDG: 03C2284005

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-7879-1	FS19	Solid	03/28/25 09:40	03/28/25 14:28	10

- 1
- 2
- 3
- 4
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- 7
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- 11
- 12
- 13
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## Environment Testing

Houston, TX (281) 240-4200, Dallas, TX (214) 502-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3333  
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

## Chain of Custody



890-7879 Chain of Custody

[www.xenco.com](http://www.xenco.com) Page 1 of 1

Project Manager:	Jeremy Reich	Bill to: (if different)	
Company Name:	Ensolum	Company Name:	
Address:	3122 National Parks Hwy	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	432-296-0627	Email:	jreich@ensolum.com/Tmorrissey@ensolum.com

Work Order Comments	
<b>Program:</b> UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
<b>State of Project:</b>	
<b>Reporting:</b> Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
<b>Deliverables:</b> EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: _____	

[illegible]



## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-7879-1

SDG Number: 03C2284005

Login Number: 7879

List Number: 1

Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	N/A	Refer to Job Narrative for details.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-7879-1

SDG Number: 03C2284005

Login Number: 7879  
List Number: 2  
Creator: Rodriguez, Leticia

List Source: Eurofins Midland  
List Creation: 03/30/25 06:36 PM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	





Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Jeremy Reich  
Ensolum  
601 N. Marienfeld St.  
Suite 400  
Midland, Texas 79701  
Generated 4/4/2025 4:18:43 PM

## JOB DESCRIPTION

FNR MOBLEY Pit  
03c2284005

## JOB NUMBER

890-7903-1

Eurofins Carlsbad  
1089 N Canal St.  
Carlsbad NM 88220



# Eurofins Carlsbad

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Generated  
4/4/2025 4:18:43 PM

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



Client: Ensolum  
Project/Site: FNR MOBLEY Pit

Laboratory Job ID: 890-7903-1  
SDG: 03c2284005

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Definitions/Glossary

Client: Ensolum  
Project/Site: FNR MOBLEY Pit

Job ID: 890-7903-1  
SDG: 03c2284005

Qualifiers

GC VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

Glossary

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



## Case Narrative

Client: Ensolum  
Project: FNR MOBLEY Pit

Job ID: 890-7903-1

Job ID: 890-7903-1

Eurofins Carlsbad

**Job Narrative**  
**890-7903-1**

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

**Receipt**

The samples were received on 4/1/2025 8:02 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 7.2°C.

**Receipt Exceptions**

The following were received and analyzed from an unpreserved bulk soil jar: FS32 (890-7903-1), FS33 (890-7903-2), SW14 (890-7903-3), SW15 (890-7903-4), SW16 (890-7903-5), SW17 (890-7903-6) and SW18 (890-7903-7).

**GC VOA**

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

**Diesel Range Organics**

Method 8015MOD\_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-106901 and analytical batch 880-106905 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: FS32 (890-7903-1). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: The surrogate recovery for the blank associated with preparation batch 880-106901 and analytical batch 880-106905 was outside the upper control limits.

Method 8015MOD\_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-106900 and analytical batch 880-106903 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

**HPLC/IC**

Method 300\_ORGFM\_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-106821 and analytical batch 880-106856 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

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## Client Sample Results

Client: Ensolum  
Project/Site: FNR MOBLEY Pit

Job ID: 890-7903-1  
SDG: 03c2284005

Client Sample ID: FS32

Lab Sample ID: 890-7903-1

Date Collected: 03/27/25 12:00

Matrix: Solid

Date Received: 04/01/25 08:02

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00140	U	0.00202	0.00140	mg/Kg		04/02/25 08:24	04/02/25 11:21	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		04/02/25 08:24	04/02/25 11:21	1
Ethylbenzene	<0.00110	U	0.00202	0.00110	mg/Kg		04/02/25 08:24	04/02/25 11:21	1
m-Xylene & p-Xylene	<0.00230	U	0.00403	0.00230	mg/Kg		04/02/25 08:24	04/02/25 11:21	1
o-Xylene	<0.00160	U	0.00202	0.00160	mg/Kg		04/02/25 08:24	04/02/25 11:21	1
Xylenes, Total	<0.00230	U	0.00403	0.00230	mg/Kg		04/02/25 08:24	04/02/25 11:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	04/02/25 08:24	04/02/25 11:21	1
1,4-Difluorobenzene (Surr)	82		70 - 130	04/02/25 08:24	04/02/25 11:21	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00230	U	0.00403	0.00230	mg/Kg			04/02/25 11:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	49.6	15.0	mg/Kg			04/04/25 16:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.4	U	49.6	14.4	mg/Kg		04/04/25 16:43	04/04/25 16:34	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.6	15.0	mg/Kg		04/04/25 16:43	04/04/25 16:34	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.6	15.0	mg/Kg		04/04/25 16:43	04/04/25 16:34	1
Total TPH	<15.0	U	49.6	15.0	mg/Kg		04/04/25 16:43	04/04/25 16:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130	04/04/25 16:43	04/04/25 16:34	1
o-Terphenyl	141	S1+	70 - 130	04/04/25 16:43	04/04/25 16:34	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	559		50.2	1.98	mg/Kg			04/04/25 02:56	5

Client Sample ID: FS33

Lab Sample ID: 890-7903-2

Date Collected: 03/27/25 12:04

Matrix: Solid

Date Received: 04/01/25 08:02

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00199	0.00139	mg/Kg		04/02/25 08:24	04/02/25 11:42	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		04/02/25 08:24	04/02/25 11:42	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg		04/02/25 08:24	04/02/25 11:42	1
m-Xylene & p-Xylene	<0.00228	U	0.00398	0.00228	mg/Kg		04/02/25 08:24	04/02/25 11:42	1
o-Xylene	<0.00158	U	0.00199	0.00158	mg/Kg		04/02/25 08:24	04/02/25 11:42	1
Xylenes, Total	<0.00228	U	0.00398	0.00228	mg/Kg		04/02/25 08:24	04/02/25 11:42	1

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## Client Sample Results

Client: Ensolum  
Project/Site: FNR MOBLEY Pit

Job ID: 890-7903-1  
SDG: 03c2284005

Client Sample ID: FS33

Lab Sample ID: 890-7903-2

Date Collected: 03/27/25 12:04

Matrix: Solid

Date Received: 04/01/25 08:02

Sample Depth: 4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	04/02/25 08:24	04/02/25 11:42	1
1,4-Difluorobenzene (Surr)	88		70 - 130	04/02/25 08:24	04/02/25 11:42	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00398	0.00228	mg/Kg			04/02/25 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.2	U	50.3	15.2	mg/Kg			04/04/25 16:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.6	U	50.3	14.6	mg/Kg		04/04/25 15:15	04/04/25 16:01	1
Diesel Range Organics (Over C10-C28)	<15.2	U	50.3	15.2	mg/Kg		04/04/25 15:15	04/04/25 16:01	1
Oil Range Organics (Over C28-C36)	<15.2	U	50.3	15.2	mg/Kg		04/04/25 15:15	04/04/25 16:01	1
Total TPH	<15.2	U	50.3	15.2	mg/Kg		04/04/25 15:15	04/04/25 16:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	04/04/25 15:15	04/04/25 16:01	1
o-Terphenyl	108		70 - 130	04/04/25 15:15	04/04/25 16:01	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	843		100	3.95	mg/Kg			04/04/25 03:03	10

Client Sample ID: SW14

Lab Sample ID: 890-7903-3

Date Collected: 03/27/25 12:06

Matrix: Solid

Date Received: 04/01/25 08:02

Sample Depth: 0-4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00198	0.00138	mg/Kg		04/02/25 08:24	04/02/25 12:02	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		04/02/25 08:24	04/02/25 12:02	1
Ethylbenzene	<0.00108	U	0.00198	0.00108	mg/Kg		04/02/25 08:24	04/02/25 12:02	1
m-Xylene & p-Xylene	<0.00226	U	0.00396	0.00226	mg/Kg		04/02/25 08:24	04/02/25 12:02	1
o-Xylene	<0.00157	U	0.00198	0.00157	mg/Kg		04/02/25 08:24	04/02/25 12:02	1
Xylenes, Total	<0.00226	U	0.00396	0.00226	mg/Kg		04/02/25 08:24	04/02/25 12:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	04/02/25 08:24	04/02/25 12:02	1
1,4-Difluorobenzene (Surr)	94		70 - 130	04/02/25 08:24	04/02/25 12:02	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00226	U	0.00396	0.00226	mg/Kg			04/02/25 12:02	1

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## Client Sample Results

Client: Ensolum  
Project/Site: FNR MOBLEY Pit

Job ID: 890-7903-1  
SDG: 03c2284005

Client Sample ID: SW14

Lab Sample ID: 890-7903-3

Date Collected: 03/27/25 12:06

Matrix: Solid

Date Received: 04/01/25 08:02

Sample Depth: 0-4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.3	U	50.5	15.3	mg/Kg			04/04/25 16:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.7	U	50.5	14.7	mg/Kg		04/04/25 15:15	04/04/25 16:18	1
Diesel Range Organics (Over C10-C28)	<15.3	U	50.5	15.3	mg/Kg		04/04/25 15:15	04/04/25 16:18	1
Oil Range Organics (Over C28-C36)	<15.3	U	50.5	15.3	mg/Kg		04/04/25 15:15	04/04/25 16:18	1
Total TPH	<15.3	U	50.5	15.3	mg/Kg		04/04/25 15:15	04/04/25 16:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	04/04/25 15:15	04/04/25 16:18	1
o-Terphenyl	105		70 - 130	04/04/25 15:15	04/04/25 16:18	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	683	F1	100	3.97	mg/Kg			04/04/25 03:10	10

Client Sample ID: SW15

Lab Sample ID: 890-7903-4

Date Collected: 03/27/25 12:10

Matrix: Solid

Date Received: 04/01/25 08:02

Sample Depth: 0-4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		04/02/25 08:24	04/02/25 12:23	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		04/02/25 08:24	04/02/25 12:23	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		04/02/25 08:24	04/02/25 12:23	1
m-Xylene & p-Xylene	<0.00228	U	0.00399	0.00228	mg/Kg		04/02/25 08:24	04/02/25 12:23	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		04/02/25 08:24	04/02/25 12:23	1
Xylenes, Total	<0.00228	U	0.00399	0.00228	mg/Kg		04/02/25 08:24	04/02/25 12:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	04/02/25 08:24	04/02/25 12:23	1
1,4-Difluorobenzene (Surr)	88		70 - 130	04/02/25 08:24	04/02/25 12:23	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00399	0.00228	mg/Kg			04/02/25 12:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	49.6	15.0	mg/Kg			04/04/25 16:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.4	U	49.6	14.4	mg/Kg		04/04/25 15:15	04/04/25 16:34	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.6	15.0	mg/Kg		04/04/25 15:15	04/04/25 16:34	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.6	15.0	mg/Kg		04/04/25 15:15	04/04/25 16:34	1

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## Client Sample Results

Client: Ensolum  
Project/Site: FNR MOBLEY Pit

Job ID: 890-7903-1  
SDG: 03c2284005

Client Sample ID: SW15

Lab Sample ID: 890-7903-4

Date Collected: 03/27/25 12:10

Matrix: Solid

Date Received: 04/01/25 08:02

Sample Depth: 0-4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	49.6	15.0	mg/Kg		04/04/25 15:15	04/04/25 16:34	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane	112		70 - 130				04/04/25 15:15	04/04/25 16:34	1
o-Terphenyl	113		70 - 130				04/04/25 15:15	04/04/25 16:34	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1040		100	3.96	mg/Kg			04/04/25 03:32	10

Client Sample ID: SW16

Lab Sample ID: 890-7903-5

Date Collected: 03/27/25 14:18

Matrix: Solid

Date Received: 04/01/25 08:02

Sample Depth: 0-10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00144	J	0.00200	0.00139	mg/Kg		04/02/25 08:24	04/02/25 12:44	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		04/02/25 08:24	04/02/25 12:44	1
Ethylbenzene	0.00118	J	0.00200	0.00109	mg/Kg		04/02/25 08:24	04/02/25 12:44	1
m-Xylene & p-Xylene	<0.00229	U	0.00401	0.00229	mg/Kg		04/02/25 08:24	04/02/25 12:44	1
o-Xylene	<0.00159	U	0.00200	0.00159	mg/Kg		04/02/25 08:24	04/02/25 12:44	1
Xylenes, Total	<0.00229	U	0.00401	0.00229	mg/Kg		04/02/25 08:24	04/02/25 12:44	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	101		70 - 130				04/02/25 08:24	04/02/25 12:44	1
1,4-Difluorobenzene (Surr)	87		70 - 130				04/02/25 08:24	04/02/25 12:44	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00262	J	0.00401	0.00229	mg/Kg			04/02/25 12:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.8	15.1	mg/Kg			04/04/25 15:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.8	14.5	mg/Kg		04/04/25 15:16	04/04/25 15:45	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		04/04/25 15:16	04/04/25 15:45	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg		04/04/25 15:16	04/04/25 15:45	1
Total TPH	<15.1	U	49.8	15.1	mg/Kg		04/04/25 15:16	04/04/25 15:45	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane	116		70 - 130				04/04/25 15:16	04/04/25 15:45	1
o-Terphenyl	117		70 - 130				04/04/25 15:16	04/04/25 15:45	1

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## Client Sample Results

Client: Ensolum  
Project/Site: FNR MOBLEY Pit

Job ID: 890-7903-1  
SDG: 03c2284005

## Client Sample ID: SW16

## Lab Sample ID: 890-7903-5

Date Collected: 03/27/25 14:18

Matrix: Solid

Date Received: 04/01/25 08:02

Sample Depth: 0-10

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1520		101	3.99	mg/Kg			04/04/25 03:39	10

## Client Sample ID: SW17

## Lab Sample ID: 890-7903-6

Date Collected: 03/27/25 14:49

Matrix: Solid

Date Received: 04/01/25 08:02

Sample Depth: 0-10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00151	J	0.00200	0.00139	mg/Kg		04/02/25 08:24	04/02/25 13:04	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		04/02/25 08:24	04/02/25 13:04	1
Ethylbenzene	0.00140	J	0.00200	0.00109	mg/Kg		04/02/25 08:24	04/02/25 13:04	1
m-Xylene & p-Xylene	<0.00229	U	0.00401	0.00229	mg/Kg		04/02/25 08:24	04/02/25 13:04	1
o-Xylene	<0.00159	U	0.00200	0.00159	mg/Kg		04/02/25 08:24	04/02/25 13:04	1
Xylenes, Total	<0.00229	U	0.00401	0.00229	mg/Kg		04/02/25 08:24	04/02/25 13:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				04/02/25 08:24	04/02/25 13:04	1
1,4-Difluorobenzene (Surr)	83		70 - 130				04/02/25 08:24	04/02/25 13:04	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00291	J	0.00401	0.00229	mg/Kg			04/02/25 13:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	50.1	15.1	mg/Kg			04/04/25 16:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.1	14.5	mg/Kg		04/04/25 15:16	04/04/25 16:01	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.1	15.1	mg/Kg		04/04/25 15:16	04/04/25 16:01	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.1	15.1	mg/Kg		04/04/25 15:16	04/04/25 16:01	1
Total TPH	<15.1	U	50.1	15.1	mg/Kg		04/04/25 15:16	04/04/25 16:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				04/04/25 15:16	04/04/25 16:01	1
o-Terphenyl	126		70 - 130				04/04/25 15:16	04/04/25 16:01	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1260		99.4	3.93	mg/Kg			04/04/25 04:13	10

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## Client Sample Results

Client: Ensolum  
Project/Site: FNR MOBLEY Pit

Job ID: 890-7903-1  
SDG: 03c2284005

Client Sample ID: SW18

Lab Sample ID: 890-7903-7

Date Collected: 03/27/25 15:12

Matrix: Solid

Date Received: 04/01/25 08:02

Sample Depth: 0-10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00140	U	0.00201	0.00140	mg/Kg		04/02/25 08:24	04/02/25 13:25	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		04/02/25 08:24	04/02/25 13:25	1
Ethylbenzene	0.00116	J	0.00201	0.00109	mg/Kg		04/02/25 08:24	04/02/25 13:25	1
m-Xylene & p-Xylene	<0.00229	U	0.00402	0.00229	mg/Kg		04/02/25 08:24	04/02/25 13:25	1
o-Xylene	<0.00159	U	0.00201	0.00159	mg/Kg		04/02/25 08:24	04/02/25 13:25	1
Xylenes, Total	<0.00229	U	0.00402	0.00229	mg/Kg		04/02/25 08:24	04/02/25 13:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	04/02/25 08:24	04/02/25 13:25	1
1,4-Difluorobenzene (Surr)	89		70 - 130	04/02/25 08:24	04/02/25 13:25	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00229	U	0.00402	0.00229	mg/Kg			04/02/25 13:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.2	U	50.3	15.2	mg/Kg			04/04/25 16:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.6	U	50.3	14.6	mg/Kg		04/04/25 15:16	04/04/25 16:18	1
Diesel Range Organics (Over C10-C28)	<15.2	U	50.3	15.2	mg/Kg		04/04/25 15:16	04/04/25 16:18	1
Oil Range Organics (Over C28-C36)	<15.2	U	50.3	15.2	mg/Kg		04/04/25 15:16	04/04/25 16:18	1
Total TPH	<15.2	U	50.3	15.2	mg/Kg		04/04/25 15:16	04/04/25 16:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	04/04/25 15:16	04/04/25 16:18	1
o-Terphenyl	108		70 - 130	04/04/25 15:16	04/04/25 16:18	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1170		99.2	3.92	mg/Kg			04/04/25 04:20	10

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## Surrogate Summary

Client: Ensolum  
Project/Site: FNR MOBLEY Pit

Job ID: 890-7903-1  
SDG: 03c2284005

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-7903-1	FS32	118	82
890-7903-1 MS	FS32	97	100
890-7903-1 MSD	FS32	103	101
890-7903-2	FS33	102	88
890-7903-3	SW14	105	94
890-7903-4	SW15	102	88
890-7903-5	SW16	101	87
890-7903-6	SW17	92	83
890-7903-7	SW18	109	89
LCS 880-106722/1-A	Lab Control Sample	96	105
LCSD 880-106722/2-A	Lab Control Sample Dup	106	99
MB 880-106722/5-A	Method Blank	103	74
<b>Surrogate Legend</b>			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-7903-1	FS32	138 S1+	141 S1+
890-7903-2	FS33	110	108
890-7903-3	SW14	110	105
890-7903-4	SW15	112	113
890-7903-5	SW16	116	117
890-7903-6	SW17	122	126
890-7903-7	SW18	107	108
890-7913-A-1-C MSD	Matrix Spike Duplicate	104	96
890-7913-A-1-H MS	Matrix Spike	89	98
890-7913-A-17-B MS	Matrix Spike	88	94
890-7913-A-17-C MSD	Matrix Spike Duplicate	97	104
LCS 880-106900/2-A	Lab Control Sample	103	98
LCS 880-106901/2-A	Lab Control Sample	121	142 S1+
LCSD 880-106900/3-A	Lab Control Sample Dup	96	96
LCSD 880-106901/3-A	Lab Control Sample Dup	117	128
MB 880-106900/1-A	Method Blank	121	106
MB 880-106901/1-A	Method Blank	85	68 S1-
<b>Surrogate Legend</b>			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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## QC Sample Results

Client: Ensolum  
Project/Site: FNR MOBLEY Pit

Job ID: 890-7903-1  
SDG: 03c2284005

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

Lab Sample ID: MB 880-106722/5-A

Matrix: Solid

Analysis Batch: 106718

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 106722

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		04/02/25 08:24	04/02/25 11:00	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		04/02/25 08:24	04/02/25 11:00	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		04/02/25 08:24	04/02/25 11:00	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		04/02/25 08:24	04/02/25 11:00	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		04/02/25 08:24	04/02/25 11:00	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		04/02/25 08:24	04/02/25 11:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	04/02/25 08:24	04/02/25 11:00	1
1,4-Difluorobenzene (Surr)	74		70 - 130	04/02/25 08:24	04/02/25 11:00	1

Lab Sample ID: LCS 880-106722/1-A

Matrix: Solid

Analysis Batch: 106718

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 106722

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1007		mg/Kg		101	70 - 130
Toluene	0.100	0.09365		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.09906		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	0.200	0.1916		mg/Kg		96	70 - 130
o-Xylene	0.100	0.08942		mg/Kg		89	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: LCSD 880-106722/2-A

Matrix: Solid

Analysis Batch: 106718

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 106722

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1027		mg/Kg		103	70 - 130	2	35
Toluene	0.100	0.1031		mg/Kg		103	70 - 130	10	35
Ethylbenzene	0.100	0.1103		mg/Kg		110	70 - 130	11	35
m-Xylene & p-Xylene	0.200	0.2157		mg/Kg		108	70 - 130	12	35
o-Xylene	0.100	0.1051		mg/Kg		105	70 - 130	16	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 890-7903-1 MS

Matrix: Solid

Analysis Batch: 106718

Client Sample ID: FS32

Prep Type: Total/NA

Prep Batch: 106722

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00140	U	0.100	0.09541		mg/Kg		95	70 - 130
Toluene	<0.00202	U	0.100	0.09031		mg/Kg		90	70 - 130

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## QC Sample Results

Client: Ensolum  
Project/Site: FNR MOBLEY Pit

Job ID: 890-7903-1  
SDG: 03c2284005

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

Lab Sample ID: 890-7903-1 MS

Matrix: Solid

Analysis Batch: 106718

Client Sample ID: FS32

Prep Type: Total/NA

Prep Batch: 106722

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00110	U	0.100	0.09544		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	<0.00230	U	0.200	0.1840		mg/Kg		92	70 - 130
o-Xylene	<0.00160	U	0.100	0.08377		mg/Kg		84	70 - 130
Surrogate	%Recovery	MS Qualifier	MS Limits						
4-Bromofluorobenzene (Surr)	97		70 - 130						
1,4-Difluorobenzene (Surr)	100		70 - 130						

Lab Sample ID: 890-7903-1 MSD

Matrix: Solid

Analysis Batch: 106718

Client Sample ID: FS32

Prep Type: Total/NA

Prep Batch: 106722

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00140	U	0.100	0.09717		mg/Kg		97	70 - 130	2	35
Toluene	<0.00202	U	0.100	0.08807		mg/Kg		88	70 - 130	3	35
Ethylbenzene	<0.00110	U	0.100	0.09467		mg/Kg		95	70 - 130	1	35
m-Xylene & p-Xylene	<0.00230	U	0.200	0.1800		mg/Kg		90	70 - 130	2	35
o-Xylene	<0.00160	U	0.100	0.08177		mg/Kg		82	70 - 130	2	35
Surrogate	%Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	103		70 - 130								
1,4-Difluorobenzene (Surr)	101		70 - 130								

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

Lab Sample ID: MB 880-106900/1-A

Matrix: Solid

Analysis Batch: 106903

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 106900

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg		04/04/25 08:28	04/04/25 08:37	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		04/04/25 08:28	04/04/25 08:37	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		04/04/25 08:28	04/04/25 08:37	1
Total TPH	<15.1	U	50.0	15.1	mg/Kg		04/04/25 08:28	04/04/25 08:37	1
Surrogate	%Recovery	MB Qualifier	MB Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				04/04/25 08:28	04/04/25 08:37	1
o-Terphenyl	106		70 - 130				04/04/25 08:28	04/04/25 08:37	1

Lab Sample ID: LCS 880-106900/2-A

Matrix: Solid

Analysis Batch: 106903

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 106900

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	738.3		mg/Kg		74	70 - 130

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## QC Sample Results

Client: Ensolum  
Project/Site: FNR MOBLEY Pit

Job ID: 890-7903-1  
SDG: 03c2284005

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

Lab Sample ID: LCS 880-106900/2-A

Matrix: Solid

Analysis Batch: 106903

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 106900

Analyte			Spike	LCS	LCS	Unit	D	%Rec	%Rec		
			Added	Result	Qualifier			Limits			
Diesel Range Organics (Over C10-C28)			1000	761.5		mg/Kg		76	70 - 130		
Surrogate	LCS	LCS	Limits								
	%Recovery	Qualifier									
1-Chlorooctane	103		70 - 130								
o-Terphenyl	98		70 - 130								

Lab Sample ID: LCSD 880-106900/3-A

Matrix: Solid

Analysis Batch: 106903

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 106900

Analyte			Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	RPD
			Added	Result	Qualifier			Limits	Limits	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	831.1		mg/Kg		83	70 - 130	12	20
Diesel Range Organics (Over C10-C28)			1000	808.6		mg/Kg		81	70 - 130	6	20
Surrogate	LCSD	LCSD	Limits								
	%Recovery	Qualifier									
1-Chlorooctane	96		70 - 130								
o-Terphenyl	96		70 - 130								

Lab Sample ID: 890-7913-A-1-C MSD

Matrix: Solid

Analysis Batch: 106903

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 106900

	Sample	Sample	Spike	MSD	MSD			%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<14.5	U F1	1010	599.1	F1	mg/Kg		60	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<15.1	U	1010	704.8		mg/Kg		70	70 - 130	5	20
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	104		70 - 130								
o-Terphenyl	96		70 - 130								

Lab Sample ID: 890-7913-A-1-H MS

Matrix: Solid

Analysis Batch: 106903

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 106900

	Sample	Sample	Spike	MS	MS			%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<14.5	U F1	1010	599.0	F1	mg/Kg		60	70 - 130	
Diesel Range Organics (Over C10-C28)	<15.1	U	1010	742.8		mg/Kg		74	70 - 130	

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## QC Sample Results

Client: Ensolum  
Project/Site: FNR MOBLEY Pit

Job ID: 890-7903-1  
SDG: 03c2284005

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

Lab Sample ID: MB 880-106901/1-A

Matrix: Solid

Analysis Batch: 106905

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 106901

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg		04/04/25 08:31	04/04/25 08:22	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		04/04/25 08:31	04/04/25 08:22	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		04/04/25 08:31	04/04/25 08:22	1
Total TPH	<15.1	U	50.0	15.1	mg/Kg		04/04/25 08:31	04/04/25 08:22	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130	04/04/25 08:31	04/04/25 08:22	1
o-Terphenyl	68	S1-	70 - 130	04/04/25 08:31	04/04/25 08:22	1

Lab Sample ID: LCS 880-106901/2-A

Matrix: Solid

Analysis Batch: 106905

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 106901

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1005		mg/Kg		101	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1294		mg/Kg		129	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	121		70 - 130
o-Terphenyl	142	S1+	70 - 130

Lab Sample ID: LCSD 880-106901/3-A

Matrix: Solid

Analysis Batch: 106905

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 106901

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	865.4		mg/Kg		87	70 - 130	15	20
Diesel Range Organics (Over C10-C28)	1000	1167		mg/Kg		117	70 - 130	10	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	117		70 - 130
o-Terphenyl	128		70 - 130

Lab Sample ID: 890-7913-A-17-B MS

Matrix: Solid

Analysis Batch: 106905

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 106901

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<14.6	U F1	1010	589.3	F1	mg/Kg		58	70 - 130
Diesel Range Organics (Over C10-C28)	<15.2	U	1010	766.0		mg/Kg		76	70 - 130

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## QC Sample Results

Client: Ensolum  
Project/Site: FNR MOBLEY Pit

Job ID: 890-7903-1  
SDG: 03c2284005

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

Lab Sample ID: 890-7913-A-17-B MS

Matrix: Solid

Analysis Batch: 106905

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 106901

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	88		70 - 130
o-Terphenyl	94		70 - 130

Lab Sample ID: 890-7913-A-17-C MSD

Matrix: Solid

Analysis Batch: 106905

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 106901

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<14.6	U F1	1010	628.7	F1	mg/Kg		62	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<15.2	U	1010	862.6		mg/Kg		85	70 - 130	12	20
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	97		70 - 130								
o-Terphenyl	104		70 - 130								

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-106821/1-A

Matrix: Solid

Analysis Batch: 106856

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	<0.395	U	10.0	0.395	mg/Kg			04/03/25 23:33	1	

Lab Sample ID: LCS 880-106821/2-A

Matrix: Solid

Analysis Batch: 106856

Client Sample ID: Lab Control Sample

Prep Type: Soluble

	Spike	LCS	LCS					%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	250	263.1		mg/Kg		105	90 - 110		

Lab Sample ID: LCSD 880-106821/3-A

Matrix: Solid

Analysis Batch: 106856

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

	Spike	LCSD	LCSD					%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	250	258.8		mg/Kg		104	90 - 110	2	20	

Lab Sample ID: 890-7903-3 MS

Matrix: Solid

Analysis Batch: 106856

Client Sample ID: SW14

Prep Type: Soluble

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	683	F1	2510	3522	F1	mg/Kg		113	90 - 110	

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QC Sample Results

Client: Ensolum  
Project/Site: FNR MOBLEY Pit

Job ID: 890-7903-1  
SDG: 03c2284005

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-7903-3 MSD							Client Sample ID: SW14					
Matrix: Solid							Prep Type: Soluble					
Analysis Batch: 106856												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	683	F1	2510	3562	F1	mg/Kg		115	90 - 110	1	20	



## QC Association Summary

Client: Ensolum  
Project/Site: FNR MOBLEY Pit

Job ID: 890-7903-1  
SDG: 03c2284005

## GC VOA

## Analysis Batch: 106718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7903-1	FS32	Total/NA	Solid	8021B	106722
890-7903-2	FS33	Total/NA	Solid	8021B	106722
890-7903-3	SW14	Total/NA	Solid	8021B	106722
890-7903-4	SW15	Total/NA	Solid	8021B	106722
890-7903-5	SW16	Total/NA	Solid	8021B	106722
890-7903-6	SW17	Total/NA	Solid	8021B	106722
890-7903-7	SW18	Total/NA	Solid	8021B	106722
MB 880-106722/5-A	Method Blank	Total/NA	Solid	8021B	106722
LCS 880-106722/1-A	Lab Control Sample	Total/NA	Solid	8021B	106722
LCSD 880-106722/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	106722
890-7903-1 MS	FS32	Total/NA	Solid	8021B	106722
890-7903-1 MSD	FS32	Total/NA	Solid	8021B	106722

## Prep Batch: 106722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7903-1	FS32	Total/NA	Solid	5035	
890-7903-2	FS33	Total/NA	Solid	5035	
890-7903-3	SW14	Total/NA	Solid	5035	
890-7903-4	SW15	Total/NA	Solid	5035	
890-7903-5	SW16	Total/NA	Solid	5035	
890-7903-6	SW17	Total/NA	Solid	5035	
890-7903-7	SW18	Total/NA	Solid	5035	
MB 880-106722/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-106722/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-106722/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7903-1 MS	FS32	Total/NA	Solid	5035	
890-7903-1 MSD	FS32	Total/NA	Solid	5035	

## Analysis Batch: 106857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7903-1	FS32	Total/NA	Solid	Total BTEX	
890-7903-2	FS33	Total/NA	Solid	Total BTEX	
890-7903-3	SW14	Total/NA	Solid	Total BTEX	
890-7903-4	SW15	Total/NA	Solid	Total BTEX	
890-7903-5	SW16	Total/NA	Solid	Total BTEX	
890-7903-6	SW17	Total/NA	Solid	Total BTEX	
890-7903-7	SW18	Total/NA	Solid	Total BTEX	

## GC Semi VOA

## Prep Batch: 106900

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7903-2	FS33	Total/NA	Solid	8015NM Prep	
890-7903-3	SW14	Total/NA	Solid	8015NM Prep	
890-7903-4	SW15	Total/NA	Solid	8015NM Prep	
MB 880-106900/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-106900/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-106900/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7913-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	
890-7913-A-1-H MS	Matrix Spike	Total/NA	Solid	8015NM Prep	

Eurofins Carlsbad



## QC Association Summary

Client: Ensolum  
Project/Site: FNR MOBLEY Pit

Job ID: 890-7903-1  
SDG: 03c2284005

## GC Semi VOA

## Prep Batch: 106901

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7903-1	FS32	Total/NA	Solid	8015NM Prep	
890-7903-5	SW16	Total/NA	Solid	8015NM Prep	
890-7903-6	SW17	Total/NA	Solid	8015NM Prep	
890-7903-7	SW18	Total/NA	Solid	8015NM Prep	
MB 880-106901/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-106901/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-106901/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7913-A-17-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7913-A-17-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 106903

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7903-2	FS33	Total/NA	Solid	8015B NM	106900
890-7903-3	SW14	Total/NA	Solid	8015B NM	106900
890-7903-4	SW15	Total/NA	Solid	8015B NM	106900
MB 880-106900/1-A	Method Blank	Total/NA	Solid	8015B NM	106900
LCS 880-106900/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	106900
LCSD 880-106900/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	106900
890-7913-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	106900
890-7913-A-1-H MS	Matrix Spike	Total/NA	Solid	8015B NM	106900

## Analysis Batch: 106905

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7903-1	FS32	Total/NA	Solid	8015B NM	106901
890-7903-5	SW16	Total/NA	Solid	8015B NM	106901
890-7903-6	SW17	Total/NA	Solid	8015B NM	106901
890-7903-7	SW18	Total/NA	Solid	8015B NM	106901
MB 880-106901/1-A	Method Blank	Total/NA	Solid	8015B NM	106901
LCS 880-106901/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	106901
LCSD 880-106901/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	106901
890-7913-A-17-B MS	Matrix Spike	Total/NA	Solid	8015B NM	106901
890-7913-A-17-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	106901

## Analysis Batch: 106952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7903-1	FS32	Total/NA	Solid	8015 NM	
890-7903-2	FS33	Total/NA	Solid	8015 NM	
890-7903-3	SW14	Total/NA	Solid	8015 NM	
890-7903-4	SW15	Total/NA	Solid	8015 NM	
890-7903-5	SW16	Total/NA	Solid	8015 NM	
890-7903-6	SW17	Total/NA	Solid	8015 NM	
890-7903-7	SW18	Total/NA	Solid	8015 NM	

## HPLC/IC

## Leach Batch: 106821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7903-1	FS32	Soluble	Solid	DI Leach	
890-7903-2	FS33	Soluble	Solid	DI Leach	
890-7903-3	SW14	Soluble	Solid	DI Leach	
890-7903-4	SW15	Soluble	Solid	DI Leach	

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## QC Association Summary

Client: Ensolum  
Project/Site: FNR MOBLEY Pit

Job ID: 890-7903-1  
SDG: 03c2284005

## HPLC/IC (Continued)

## Leach Batch: 106821 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7903-5	SW16	Soluble	Solid	DI Leach	
890-7903-6	SW17	Soluble	Solid	DI Leach	
890-7903-7	SW18	Soluble	Solid	DI Leach	
MB 880-106821/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-106821/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-106821/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-7903-3 MS	SW14	Soluble	Solid	DI Leach	
890-7903-3 MSD	SW14	Soluble	Solid	DI Leach	

## Analysis Batch: 106856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7903-1	FS32	Soluble	Solid	300.0	106821
890-7903-2	FS33	Soluble	Solid	300.0	106821
890-7903-3	SW14	Soluble	Solid	300.0	106821
890-7903-4	SW15	Soluble	Solid	300.0	106821
890-7903-5	SW16	Soluble	Solid	300.0	106821
890-7903-6	SW17	Soluble	Solid	300.0	106821
890-7903-7	SW18	Soluble	Solid	300.0	106821
MB 880-106821/1-A	Method Blank	Soluble	Solid	300.0	106821
LCS 880-106821/2-A	Lab Control Sample	Soluble	Solid	300.0	106821
LCSD 880-106821/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	106821
890-7903-3 MS	SW14	Soluble	Solid	300.0	106821
890-7903-3 MSD	SW14	Soluble	Solid	300.0	106821



## Lab Chronicle

Client: Ensolum  
Project/Site: FNR MOBLEY Pit

Job ID: 890-7903-1  
SDG: 03c2284005

Client Sample ID: FS32

Lab Sample ID: 890-7903-1

Date Collected: 03/27/25 12:00

Matrix: Solid

Date Received: 04/01/25 08:02

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	106722	04/02/25 08:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	106718	04/02/25 11:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			106857	04/02/25 11:21	AJ	EET MID
Total/NA	Analysis	8015 NM		1			106952	04/04/25 16:34	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	106905	04/04/25 16:34	TKC	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	106901	04/04/25 16:43	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	106821	04/03/25 11:00	SA	EET MID
Soluble	Analysis	300.0		5			106856	04/04/25 02:56	CH	EET MID

Client Sample ID: FS33

Lab Sample ID: 890-7903-2

Date Collected: 03/27/25 12:04

Matrix: Solid

Date Received: 04/01/25 08:02

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	106722	04/02/25 08:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	106718	04/02/25 11:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			106857	04/02/25 11:42	AJ	EET MID
Total/NA	Analysis	8015 NM		1			106952	04/04/25 16:01	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	106900	04/04/25 15:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	106903	04/04/25 16:01	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	106821	04/03/25 11:00	SA	EET MID
Soluble	Analysis	300.0		10			106856	04/04/25 03:03	CH	EET MID

Client Sample ID: SW14

Lab Sample ID: 890-7903-3

Date Collected: 03/27/25 12:06

Matrix: Solid

Date Received: 04/01/25 08:02

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	106722	04/02/25 08:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	106718	04/02/25 12:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			106857	04/02/25 12:02	AJ	EET MID
Total/NA	Analysis	8015 NM		1			106952	04/04/25 16:18	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	106900	04/04/25 15:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	106903	04/04/25 16:18	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	106821	04/03/25 11:00	SA	EET MID
Soluble	Analysis	300.0		10			106856	04/04/25 03:10	CH	EET MID

Client Sample ID: SW15

Lab Sample ID: 890-7903-4

Date Collected: 03/27/25 12:10

Matrix: Solid

Date Received: 04/01/25 08:02

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	106722	04/02/25 08:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	106718	04/02/25 12:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			106857	04/02/25 12:23	AJ	EET MID

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## Lab Chronicle

Client: Ensolum  
Project/Site: FNR MOBLEY Pit

Job ID: 890-7903-1  
SDG: 03c2284005

Client Sample ID: SW15

Lab Sample ID: 890-7903-4

Date Collected: 03/27/25 12:10

Matrix: Solid

Date Received: 04/01/25 08:02

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			106952	04/04/25 16:34	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	106900	04/04/25 15:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	106903	04/04/25 16:34	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	106821	04/03/25 11:00	SA	EET MID
Soluble	Analysis	300.0		10			106856	04/04/25 03:32	CH	EET MID

Client Sample ID: SW16

Lab Sample ID: 890-7903-5

Date Collected: 03/27/25 14:18

Matrix: Solid

Date Received: 04/01/25 08:02

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	106722	04/02/25 08:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	106718	04/02/25 12:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			106857	04/02/25 12:44	AJ	EET MID
Total/NA	Analysis	8015 NM		1			106952	04/04/25 15:45	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	106901	04/04/25 15:16	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	106905	04/04/25 15:45	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	106821	04/03/25 11:00	SA	EET MID
Soluble	Analysis	300.0		10			106856	04/04/25 03:39	CH	EET MID

Client Sample ID: SW17

Lab Sample ID: 890-7903-6

Date Collected: 03/27/25 14:49

Matrix: Solid

Date Received: 04/01/25 08:02

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	106722	04/02/25 08:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	106718	04/02/25 13:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			106857	04/02/25 13:04	AJ	EET MID
Total/NA	Analysis	8015 NM		1			106952	04/04/25 16:01	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	106901	04/04/25 15:16	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	106905	04/04/25 16:01	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	106821	04/03/25 11:00	SA	EET MID
Soluble	Analysis	300.0		10			106856	04/04/25 04:13	CH	EET MID

Client Sample ID: SW18

Lab Sample ID: 890-7903-7

Date Collected: 03/27/25 15:12

Matrix: Solid

Date Received: 04/01/25 08:02

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	106722	04/02/25 08:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	106718	04/02/25 13:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			106857	04/02/25 13:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			106952	04/04/25 16:18	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	106901	04/04/25 15:16	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	106905	04/04/25 16:18	TKC	EET MID

Eurofins Carlsbad



Lab Chronicle

Client: Ensolum  
Project/Site: FNR MOBLEY Pit

Job ID: 890-7903-1  
SDG: 03c2284005

Client Sample ID: SW18  
Date Collected: 03/27/25 15:12  
Date Received: 04/01/25 08:02

Lab Sample ID: 890-7903-7  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	106821	04/03/25 11:00	SA	EET MID
Soluble	Analysis	300.0		10			106856	04/04/25 04:20	CH	EET MID

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

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Accreditation/Certification Summary

Client: Ensolum  
Project/Site: FNR MOBLEY Pit

Job ID: 890-7903-1  
SDG: 03c2284005

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Total TPH
Total BTEX		Solid	Total BTEX



Method Summary

Client: Ensolum  
Project/Site: FNR MOBLEY Pit

Job ID: 890-7903-1  
SDG: 03c2284005

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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



Sample Summary

Client: Ensolum  
Project/Site: FNR MOBLEY Pit

Job ID: 890-7903-1  
SDG: 03c2284005

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-7903-1	FS32	Solid	03/27/25 12:00	04/01/25 08:02	4
890-7903-2	FS33	Solid	03/27/25 12:04	04/01/25 08:02	4
890-7903-3	SW14	Solid	03/27/25 12:06	04/01/25 08:02	0-4
890-7903-4	SW15	Solid	03/27/25 12:10	04/01/25 08:02	0-4
890-7903-5	SW16	Solid	03/27/25 14:18	04/01/25 08:02	0-10
890-7903-6	SW17	Solid	03/27/25 14:49	04/01/25 08:02	0-10
890-7903-7	SW18	Solid	03/27/25 15:12	04/01/25 08:02	0-10

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Environment Testing  
Xenco

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

## Chain of Custody

**Work Order No:**

Project Manager:	Jeremy Reich	Bill to: (if different)	
Company Name:	Ensolum, LLC	Company Name:	
Address:	3122 National Parks Hwy	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	432-296-0627	Email:	jreich@ensolum.com

Program: USTIF	
State of Project:	
Reporting: Level I	
Deliverables: EDI	
890-7903 Chain of Custody	
Other:	

[illegible]



## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-7903-1

SDG Number: 03c2284005

Login Number: 7903

List Number: 1

Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	N/A	Refer to Job Narrative for details.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-7903-1

SDG Number: 03c2284005

Login Number: 7903

List Number: 2

Creator: Rios, Minerva

List Source: Eurofins Midland

List Creation: 04/02/25 08:24 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



## Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-7903-1

SDG Number: 03c2284005

Login Number: 7903

List Number: 3

Creator: Kramer, Jessica

List Source: Eurofins Midland

List Creation: 04/04/25 05:01 PM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	





## APPENDIX E

### Waste Manifests

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## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Bonnie Malander

Phone No. \_\_\_\_\_

(PLEASE PRINT) \*REQUIRED INFORMATION\*

## GENERATOR

NO. **HW- 755448**

Generator Manifest # \_\_\_\_\_  
 Generator Name New Mexico Energy  
 Address \_\_\_\_\_  
 City, State, Zip \_\_\_\_\_  
 Phone No. \_\_\_\_\_

Location of Origin  
 Lease/Well Name & No. FNR For # 284  
 County Edo  
 API No. 30-015-505-900  
 Rig Name & No. \_\_\_\_\_  
 AFE/PO No. 252211-0252

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow Back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	TOP SOIL & CALICHE SALES
E&P Contaminated Soil	Truck Washout (exempt waste)	YES NO QUANTITY TOP SOIL CALICHE
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 25 (Y - YARDS) E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)
- ☐ EMERGENCY NON-OILFIELD Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Sentex Mex  
 Address Sentex Mex  
 Phone No. 505-279-4270  
 Transporter Ticket # \_\_\_\_\_

Driver's Name STUD  
 Print Name FRANCO PLATANER  
 Phone No. \_\_\_\_\_  
 Truck No. 11

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. \_\_\_\_\_

Site Name/Permit No. Halfway Facility / NM1-006  
 Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-392-6368

NORM READINGS TAKEN? (Circle One) YES NO  
 PASS THE PAINT FILTER TEST? (Circle One) YES NO

If YES, was reading &gt; 50 micro roentgens? (Circle One) YES NO

## TANK BOTTOMS

Feet	Inches
1st Gauge	
2nd Gauge	
3rd Gauge	

BS&W/BBLs Received	BS&W (%)
Free Water	
Total Received	

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE



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Received by QCD: 6/25/2025 3:29:46 PM  
Released to Imaging: 8/6/2025 1:35:55 PM



# NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Donna A. Smith

Phone No. 505-251-1111

## GENERATOR

NO. **HW-7037525**

Generator Manifest # \_\_\_\_\_  
Generator Name New Wave Energy  
Address \_\_\_\_\_  
City, State, Zip \_\_\_\_\_  
Phone No. \_\_\_\_\_

Location of Origin  
Lease/Well Name & No. FAIR Feed 42814  
County El Paso  
API No. 20-015-50900  
Rig Name & No. 2502160252  
AFE/PO No. \_\_\_\_\_

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds		NON-INJECTABLE WATERS		OTHER EXEMPT E&P WASTE STREAMS	
		Washout Water (Non-Injectable)			
Oil Based Cuttings		Completion Fluid/Flow Back (Non-Injectable)			
Water Based Muds		Produced Water (Non-Injectable)			
Water Based Cuttings		Gathering Line Water/Waste (Non-Injectable)			
Produced Formation Solids					
Tank Bottoms		INTERNAL USE ONLY		TOP SOIL & CALICHE SALES	
E&P Contaminated Soil		Truck Washout (exempt waste)	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	QUANTITY	TOP SOIL CALICHE
Gas Plant Waste					

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)
- ☐ EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Sam Tera Mx  
Address San Antonio Tx  
Phone No. \_\_\_\_\_  
Transporter Ticket # \_\_\_\_\_

Driver's Name FRANCISCO MONTANEZ  
Print Name \_\_\_\_\_  
Phone No. \_\_\_\_\_  
Truck No. 11

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

## DISPOSAL FACILITY

RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 22

Facility Name/Permit No. Halfway Facility / NM1-006  
Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-392-6368

NORM READINGS TAKEN? (Circle One) YES ☐ NO ☒  
PASS THE PAINT FILTER TEST? (Circle One) YES ☐ NO ☒

If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☒

## TANK BOTTOMS

Feet	Inches	BS&W/BBLS Received		BS&W (%)	
		Free Water			
1st Gauge		Total Received			
2nd Gauge					
Received					

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

GENERATOR SITE COPY

SEND RETURN TO GENERATOR





NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT) \*REQUIRED INFORMATION\*

Name Brook Muel

Phone No. \_\_\_\_\_

**GENERATOR** NO. **HW- 717717**

Generator Manifest # \_\_\_\_\_  
Generator Name New Wave Energy  
Address \_\_\_\_\_  
City, State, Zip \_\_\_\_\_  
Phone No. \_\_\_\_\_

Location of Origin  
Lease/Well Name & No. FNR Fed # 28H  
County Inc. + NMP 2502160252  
API No. 30-DIC-505900  
Rig Name & No. \_\_\_\_\_  
AFE/PO No. \_\_\_\_\_

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)			
Oil Based Muds	_____	NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings	_____	Washout Water (Non-Injectable)	_____
Water Based Muds	_____	Completion Fluid/Flow Back (Non-Injectable)	_____
Water Based Cuttings	_____	Produced Water (Non-Injectable)	_____
Produced Formation Solids	_____	Gathering Line Water/Waste (Non-Injectable)	_____
Tank Bottoms	_____	INTERNAL USE ONLY	TOP SOIL & CALICHE SALES
E&P Contaminated Soil	<u>20</u>	Truck Washout (exempt waste)	YES NO QUANTITY TOP SOIL CALICHE
Gas Plant Waste	_____		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount  
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.  
Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)
- ☐ EMERGENCY NON-OILFIELD Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_ SIGNATURE \_\_\_\_\_

**TRANSPORTER**

Transporter's Name Sam Tex Mex  
Address \_\_\_\_\_  
Phone No. \_\_\_\_\_  
Transporter Ticket # \_\_\_\_\_

Driver's Name Rene Garza  
Print Name \_\_\_\_\_  
Phone No. \_\_\_\_\_  
Truck No. 66

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 4-7-25 DRIVER'S SIGNATURE Rene Garza DELIVERY DATE 4-7-25 DRIVER'S SIGNATURE \_\_\_\_\_

TRUCK TIME STAMP	DISPOSAL FACILITY	RECEIVING AREA
IN: _____ OUT: _____		Name/No. <u>28</u>

Site Name/ Permit No. Halfway Facility / NM1-006 Phone No. 575-392-6368  
Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (Circle One) YES NO  
PASS THE PAINT FILTER TEST? (Circle One) YES NO

**TANK BOTTOMS**

Feet	Inches	BS&W/BBLs Received	BS&W (%)
1st Gauge		Free Water	
2nd Gauge		Total Received	
3rd Gauge			

I hereby certify that the above load material has been (circle one): ACCEPTED 4/7/25 ADAM If denied, why? Ap  
NAME (PRINT) DATE TITLE SIGNATURE





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Brent M. M... ..

Phone No. \_\_\_\_\_

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. **HW-739872**

Generator Manifest # \_\_\_\_\_

Generator Name New Wave Energy

Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_

Phone No. \_\_\_\_\_

Location of Origin

Lease/Well

Name & No. FNR Fed # 284County McMurryAPI No. NAPP 2502160250Rig Name & No. 30-075-505000

AFE/PO No. \_\_\_\_\_

EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS			
Oil Based Cuttings	_____					
Water Based Muds	_____					
Water Based Cuttings	_____					
Produced Formation Solids	_____					
Tank Bottoms	_____	INTERNAL USE ONLY	TOP SOIL & CALICHE SALES			
E&P Contaminated Soil	_____					
Gas Plant Waste	_____					
		Truck Washout (exempt waste)	YES _____ NO _____	QUANTITY _____	TOP SOIL _____	CALICHE _____

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY

B - BARRELS

L - LIQUID

Y - YARDS

E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE \_\_\_\_\_

DATE \_\_\_\_\_

SIGNATURE \_\_\_\_\_

## TRANSPORTER

Transporter's Name San Tex Map

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Transporter Ticket # \_\_\_\_\_

Driver's Name Rene Garcia

Print Name \_\_\_\_\_

Phone No. \_\_\_\_\_

Truck No. 66

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 4-7-75DRIVER'S SIGNATURE Rene GarciaDELIVERY DATE 4-7-75

DRIVER'S SIGNATURE \_\_\_\_\_

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 28Site Name/  
Permit No.Halfway Facility / NM1-006

Address

6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

Phone No.

575-392-6368NORM READINGS TAKEN? (Circle One) YES ☒ NO ☐PASS THE PAINT FILTER TEST? (Circle One) YES ☒ NO ☐If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☒

## TANK BOTTOMS

Feet	Inches
Guage _____	_____
Guage _____	_____
Received _____	_____

BS&W/BBLs Received	_____	BS&W (%)	_____
Free Water	_____		
Total Received	_____		

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why? \_\_\_\_\_

NAME (PRINT) \_\_\_\_\_

DATE \_\_\_\_\_

TITLE \_\_\_\_\_

SIGNATURE \_\_\_\_\_





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Archie McIntoshPhone No. 409-215-5059

## GENERATOR

NO. **359480**

Operator No. \_\_\_\_\_  
 Operators Name New Wave Energy  
 Address \_\_\_\_\_  
 City, State, Zip \_\_\_\_\_  
 Phone No. \_\_\_\_\_

Permit/RRC No. \_\_\_\_\_  
 Lease/Well Name & No. FAIR Field #284  
 County Waller  
 API No. 70-015-505900  
 Rig Name & No. \_\_\_\_\_  
 AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow Back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY 70 B-BARRELS 70 Y-YARDS 70 E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Sam T. McCoy  
 Address \_\_\_\_\_  
 Phone No. \_\_\_\_\_

Driver's Name Randy Givens  
 Phone No. \_\_\_\_\_  
 Truck No. 666  
 WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. \_\_\_\_\_

Site Name/ Red Bluff Facility / STF-065  
 Permit No. 5053 US Hwy 285, Orla, TX 79770  
 Address \_\_\_\_\_

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading > 50 micro roentgens? (Circle One) YES NO  
 NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
3rd Gauge		

BS&W Received		BS&W (%)
Free Water		
Total Received		

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Frank Morales

Phone No. \_\_\_\_\_

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. **HW-739874**

Generator Manifest # \_\_\_\_\_

Generator Name Adventum Energy

Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_

Phone No. \_\_\_\_\_

Location of Origin \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. FNR Fed #28HCounty TulsaAPI No. NAPP 2502160252Rig Name & No. 30-015-505900

AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	NON-INJECTABLE WATERS	_____	OTHER EXEMPT E&P WASTE STREAMS	_____
Oil Based Cuttings	_____	Washout Water (Non-Injectable)	_____	<u>Belly Dumps</u>	_____
Water Based Muds	_____	Completion Fluid/Flow Back (Non-Injectable)	_____		
Water Based Cuttings	_____	Produced Water (Non-Injectable)	_____		
Produced Formation Solids	_____	Gathering Line Water/Waste (Non-Injectable)	_____		
Tank Bottoms	_____	INTERNAL USE ONLY		TOP SOIL & CALICHE SALES	
E&P Contaminated Soil	_____	Truck Washout (exempt waste)	YES _____ NO _____	QUANTITY	TOP SOIL CALICHE
Gas Plant Waste	_____				

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Sam Tye Max

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Transporter Ticket # \_\_\_\_\_

Driver's Name Rene Garcia

Print Name \_\_\_\_\_

Phone No. \_\_\_\_\_

Truck No. 66

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 8-25DRIVER'S SIGNATURE Rene GarciaDELIVERY DATE 8-25DRIVER'S SIGNATURE Rene Garcia

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: 1:21P OUT: 1:37PName/No. CellSite Name/ Halfway Facility / NM1-006

Permit No. \_\_\_\_\_

Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220Phone No. 575-392-6368NORM READINGS TAKEN? (Circle One) YES ☐ NO ☒  
PASS THE PAINT FILTER TEST? (Circle One) YES ☐ NO ☒If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☒

## TANK BOTTOMS

Feet	Inches
1st Gauge	_____
2nd Gauge	_____
Received	_____

BS&W/BBLs Received	_____	BS&W (%)	_____
Free Water	_____		
Total Received	_____		

I hereby certify that the above load material has been (circle one):

ACCEPTED ☒DENIED ☐If denied, why? 027

NAME (PRINT)

DATE

TITLE

SIGNATURE





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Brooks Malard

Phone No. \_\_\_\_\_

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. **HW-739875**

Generator Manifest # \_\_\_\_\_

Generator Name New Wave Energy

Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_

Phone No. \_\_\_\_\_

Location of Origin \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. FNR Fed # 284County Incident 1/1 App 2502160257API No. 30-015-505900

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. \_\_\_\_\_

EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	NON-INJECTABLE WATERS	_____	OTHER EXEMPT E&P WASTE STREAMS	_____
Oil Based Cuttings	_____	Washout Water (Non-Injectable)	_____	<u>Bell, D-20</u>	
Water Based Muds	_____	Completion Fluid/Flow Back (Non-Injectable)	_____		
Water Based Cuttings	_____	Produced Water (Non-Injectable)	_____		
Produced Formation Solids	_____	Gathering Line Water/Waste (Non-Injectable)	_____		
Tank Bottoms	_____	INTERNAL USE ONLY	_____	TOP SOIL & CALICHE SALES	_____
E&P Contaminated Soil	_____	Truck Washout (exempt waste)	YES _____ NO _____	QUANTITY	TOP SOIL _____ CALICHE _____
Gas Plant Waste	_____				

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below) \_\_\_\_\_
- ☐ EMERGENCY NON-OILFIELD Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Sam Tex Mex

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Transporter Ticket # \_\_\_\_\_

Driver's Name Rene Garcia

Print Name \_\_\_\_\_

Phone No. \_\_\_\_\_

Truck No. 66

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: 10:09 OUT: 10:19Name/No. Cell

Halfway Facility / NM1-006

6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-392-6368

NORM READINGS TAKEN? (Circle One) YES ☐ NO ☒

PASS THE PAINT FILTER TEST? (Circle One) YES ☐ NO ☒

If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☒

## TANK BOTTOMS

Feet

Inches

1st Gauge	_____	_____
2nd Gauge	_____	_____
3rd Gauge	_____	_____

BS&W/BBLs Received	_____	BS&W (%)	_____
Free Water	_____		
Total Received	_____		

I hereby certify that the above load material has been (circle one):

ACCEPTED 10/14

DENIED

If denied, why? \_\_\_\_\_

NAME (PRINT)

DATE

TITLE

SIGNATURE





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Frank Maldonado

Phone No. \_\_\_\_\_

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. **HW-754767**Generator Manifest # New Waste Entry

Generator Name \_\_\_\_\_

Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_

Phone No. \_\_\_\_\_

Location of Origin

Lease/Well

Name & No. FNR Fed 28 H

County \_\_\_\_\_

API No. 30-015-600900

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. 25091A0952

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	NON-INJECTABLE WATERS	_____	OTHER EXEMPT E&P WASTE STREAMS	_____
Oil Based Cuttings	_____	Washout Water (Non-Injectable)	_____		
Water Based Muds	_____	Completion Fluid/Flow Back (Non-Injectable)	_____		
Water Based Cuttings	_____	Produced Water (Non-Injectable)	_____		
Produced Formation Solids	_____	Gathering Line Water/Waste (Non-Injectable)	_____		
Tank Bottoms	_____	INTERNAL USE ONLY	_____		
E&P Contaminated Soil	<u>30</u>	Truck Washout (exempt waste)	YES _____ NO _____	QUANTITY	TOP SOIL CALICHE
Gas Plant Waste	_____				

WASTE GENERATION PROCESS: ☐ DRILLING ☒ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 30 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENT'S SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name

Address

Phone No.

Transporter Ticket #

Driver's Name

Print Name

Phone No.

Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. OK

Site Name/Permit No.

Halfway Facility / NM1-006

Address

6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

Phone No.

575-392-6368NORM READINGS TAKEN? (Circle One) YES ☒ NO ☐PASS THE PAINT FILTER TEST? (Circle One) YES ☒ NO ☐If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☒

## TANK BOTTOMS

Feet	Inches
Guage	_____
nd Guage	_____
Received	_____

BS&W/BBLS Received	_____	BS&W (%)	_____
Free Water	_____		
Total Received	_____		

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - R360 ORIGINAL

Yellow- TRANSPORTER COPY

Pink- GENERATOR SITE COPY

Gold- RETURN TO GENERATOR





(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Name Rock Malander

Phone No. \_\_\_\_\_

### GENERATOR

NO. **HW-754769**

Generator Manifest # WOW WAVE ENERGY  
Generator Name \_\_\_\_\_  
Address \_\_\_\_\_  
City, State, Zip \_\_\_\_\_  
Phone No. \_\_\_\_\_

Location of Origin  
Lease/Well Name & No. ENR Fed 28H  
County \_\_\_\_\_  
API No. 30-015-506900  
Rig Name & No. \_\_\_\_\_  
AFE/PO No. 9507160752

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	NON-INJECTABLE WATERS	Washout Water (Non-Injectable)	_____	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings	_____		Completion Fluid/Flow Back (Non-Injectable)	_____	
Water Based Muds	_____		Produced Water (Non-Injectable)	_____	
Water Based Cuttings	_____		Gathering Line Water/Waste (Non-Injectable)	_____	
Produced Formation Solids	_____				
Tank Bottoms	_____	INTERNAL USE ONLY			TOP SOIL & CALICHE SALES
E&P Contaminated Soil	_____		Truck Washout (exempt waste)	YES _____ NO _____	
Gas Plant Waste	_____				TOP SOIL _____ CALICHE _____

WASTE GENERATION PROCESS: ☐ DRILLING ☒ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 30 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)
- ☐ EMERGENCY NON-OILFIELD Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE \_\_\_\_\_

DATE \_\_\_\_\_

SIGNATURE \_\_\_\_\_

### TRANSPORTER

Transporter's Name Sam Tex Mex Trucking  
Address \_\_\_\_\_  
Phone No. \_\_\_\_\_  
Transporter Ticket # \_\_\_\_\_

Driver's Name Peter  
Print Name \_\_\_\_\_  
Phone No. \_\_\_\_\_  
Truck No. 102

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

### DISPOSAL FACILITY

RECEIVING AREA

Name/No. \_\_\_\_\_

Site Name/ Permit No. Halfway Facility / NM1-006  
Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-392-6368

NORM READINGS TAKEN? (Circle One) YES \_\_\_\_\_ NO \_\_\_\_\_  
PASS THE PAINT FILTER TEST? (Circle One) YES \_\_\_\_\_ NO \_\_\_\_\_

If YES, was reading > 50 micro roentgens? (Circle One) YES \_\_\_\_\_ NO \_\_\_\_\_

### TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
3rd Gauge		

BS&W/BBLs Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one): ☒ ACCEPTED ☐ DENIED If denied, why? \_\_\_\_\_

NAME (PRINT) \_\_\_\_\_ DATE \_\_\_\_\_ TITLE \_\_\_\_\_ SIGNATURE \_\_\_\_\_



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(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Name Rock Island  
Phone No. \_\_\_\_\_

**GENERATOR**

NO. **HW-754768**

Generator Manifest # New Wave Energy  
Generator Name \_\_\_\_\_  
Address \_\_\_\_\_  
City, State, Zip \_\_\_\_\_  
Phone No. \_\_\_\_\_

Location of Origin \_\_\_\_\_  
Lease/Well \_\_\_\_\_  
Name & No. ENR Fed 28 H  
County \_\_\_\_\_  
API No. 30-015-506400  
Rig Name & No. \_\_\_\_\_  
AFE/PO No. 2509160252

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)			
Oil Based Muds	_____	NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings	_____	Washout Water (Non-Injectable)	_____
Water Based Muds	_____	Completion Fluid/Flow Back (Non-Injectable)	_____
Water Based Cuttings	_____	Produced Water (Non-Injectable)	_____
Produced Formation Solids	_____	Gathering Line Water/Waste (Non-Injectable)	_____
Tank Bottoms	_____	INTERNAL USE ONLY	TOP SOIL & CALICHE SALES
E&P Contaminated Soil	_____	Truck Washout (exempt waste)	YES NO QUANTITY TOP SOIL CALICHE
Gas Plant Waste	_____		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount  
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 30 Y - YARDS E - EACH

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- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)
- ☐ EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_ SIGNATURE \_\_\_\_\_

**TRANSPORTER**

Transporter's Name Sam Tex Mex Trucking  
Address \_\_\_\_\_  
Phone No. \_\_\_\_\_  
Transporter Ticket # \_\_\_\_\_

Driver's Name Peter  
Print Name \_\_\_\_\_  
Phone No. \_\_\_\_\_  
Truck No. 102

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_ DRIVER'S SIGNATURE \_\_\_\_\_ DELIVERY DATE \_\_\_\_\_ DRIVER'S SIGNATURE \_\_\_\_\_

TRUCK TIME STAMP	DISPOSAL FACILITY	RECEIVING AREA
IN: _____ OUT: _____		Name/No. <u>OK</u>

Site Name/Permit No. Halfway Facility / NM1-006  
Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220  
Phone No. 575-392-6368  
NORM READINGS TAKEN? (Circle One) YES NO  
PASS THE PAINT FILTER TEST? (Circle One) YES NO  
If YES, was reading > 50 micro roentgens? (Circle One) YES NO

**TANK BOTTOMS**

Feet	Inches	BS&W/BBLS Received	BS&W (%)
_____	_____	Free Water	_____
_____	_____	Total Received	_____

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? \_\_\_\_\_

NAME (PRINT) \_\_\_\_\_ DATE \_\_\_\_\_ TITLE \_\_\_\_\_ SIGNATURE \_\_\_\_\_



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NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) \*REQUIRED INFORMATION\*

Company with contact information  
Name: Brack Nalton  
Phone No. \_\_\_\_\_

GENERATOR

NO. **HW-754714**

Generator Manifest # \_\_\_\_\_  
Generator Name New Wave Energy  
Address \_\_\_\_\_  
City, State, Zip \_\_\_\_\_  
Phone No. \_\_\_\_\_

Location of Origin TWRTed # 25 H  
Lease/Well Name & No. \_\_\_\_\_  
County \_\_\_\_\_  
API No. 10-015-302900  
Rig Name & No. 4348-05021602  
AFE/PO No. \_\_\_\_\_

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)			
Oil Based Muds	_____	NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings	_____	Washout Water (Non-Injectable)	_____
Water Based Muds	_____	Completion Fluid/Flow Back (Non-Injectable)	_____
Water Based Cuttings	_____	Produced Water (Non-Injectable)	_____
Produced Formation Solids	_____	Gathering Line Water/Waste (Non-Injectable)	_____
Tank Bottoms	_____	INTERNAL USE ONLY	TOP SOIL & CALICHE SALES
E&P Contaminated Soil	_____	Truck Washout (exempt waste)	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
Gas Plant Waste	_____	QUANTITY	TOP SOIL CALICHE

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount  
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.  
Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)
- ☐ EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

Too Nalton 4-7-25 Brack Nalton  
(PRINT) AUTHORIZED AGENTS SIGNATURE DATE SIGNATURE

TRANSPORTER

Transporter's Name Sen Tex Mex  
Address \_\_\_\_\_  
Phone No. 432-209-4270  
Transporter Ticket # \_\_\_\_\_

Driver's Name Brack Nalton  
Print Name Brack Nalton  
Phone No. \_\_\_\_\_  
Truck No. 60

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

4-7-25 Brack Nalton 4-7-25 Brack Nalton  
SHIPMENT DATE DRIVER'S SIGNATURE DELIVERY DATE DRIVER'S SIGNATURE

TRUCK TIME STAMP	DISPOSAL FACILITY	RECEIVING AREA
IN: _____ OUT: _____	Name/No. _____	

Site Name/Permit No. Halfway Facility / NM1-006 Phone No. 575-392-6368  
Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

NORM READINGS TAKEN? (Circle One) YES ☐ NO ☐ If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☐  
PASS THE PAINT FILTER TEST? (Circle One) YES ☐ NO ☐

TANK BOTTOMS

	Feet	Inches	BS&W/BBLs Received	BS&W (%)
Guage				
and Guage			Free Water	
Received			Total Received	

I hereby certify that the above load material has been (circle one): ACCEPTED ☒ DENIED ☐ If denied, why? \_\_\_\_\_

NAME (PRINT) \_\_\_\_\_ DATE \_\_\_\_\_ TITLE \_\_\_\_\_ SIGNATURE \_\_\_\_\_





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Brock Nolan

Phone No. \_\_\_\_\_

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. **HW-754715**

Generator Manifest # \_\_\_\_\_

Location of Origin Field #28HGenerator Name WAVE Energy

Lease/Well \_\_\_\_\_

Address \_\_\_\_\_

Name &amp; No. \_\_\_\_\_

City, State, Zip \_\_\_\_\_

County \_\_\_\_\_

Phone No. \_\_\_\_\_

API No. 0-015-505900Rig Name & No. WPP-25-2160250

AFE/PO No. \_\_\_\_\_

EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	NON-INJECTABLE WATERS	_____	OTHER EXEMPT E&P WASTE STREAMS	_____
Oil Based Cuttings	_____	Washout Water (Non-Injectable)	_____		
Water Based Muds	_____	Completion Fluid/Flow Back (Non-Injectable)	_____		
Water Based Cuttings	_____	Produced Water (Non-Injectable)	_____		
Produced Formation Solids	_____	Gathering Line Water/Waste (Non-Injectable)	_____		
Tank Bottoms	_____	INTERNAL USE ONLY	_____	TOP SOIL & CALICHE SALES	_____
E&P Contaminated Soil	_____	Truck Washout (exempt waste)	YES _____ NO _____	QUANTITY	_____
Gas Plant Waste	_____			TOP SOIL	CALICHE

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 20 Y - YARDS E - EACH

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- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below) \_\_\_\_\_
- ☐ EMERGENCY NON-OILFIELD Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name San Tex MexDriver's Name Brock NolanAddress 431-209-242-70Print Name Brock Nolan

Phone No. \_\_\_\_\_

Phone No. \_\_\_\_\_

Transporter Ticket # \_\_\_\_\_

Truck No. 60

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. \_\_\_\_\_

Site Name/

**Halfway Facility / NM1-006**Phone No. **575-392-6368**

Permit No. \_\_\_\_\_

Address **6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220**

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading &gt; 50 micro roentgens? (Circle One) YES NO

PASS THE PAINT FILTER TEST? (Circle One) YES NO

## TANK BOTTOMS

Feet

Inches

1st Gauge	_____	BS&W/BBLS Received	_____	BS&W (%)	_____
2nd Gauge	_____	Free Water	_____		
Received	_____	Total Received	_____		

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? \_\_\_\_\_

NAME (PRINT)

DATE

TITLE

SIGNATURE



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Received by OGD: 6/25/2025 3:29:16 PM  
Released to Imaging: 8/6/2025 1:35:55 PM



# NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Brack m m l a n

Phone No. \_\_\_\_\_

(PLEASE PRINT) \*REQUIRED INFORMATION\*

## GENERATOR

NO. **HW-754712**

Generator Manifest # \_\_\_\_\_

Location of Origin  
Lease/Well

Generator Name NEW WAVE ENERGY

Name & No.

Address \_\_\_\_\_

County

City, State, Zip \_\_\_\_\_

API No.

Phone No. \_\_\_\_\_

Rig Name & No.

AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds  
Oil Based Cuttings  
Water Based Muds  
Water Based Cuttings  
Produced Formation Solids  
Tank Bottoms  
E&P Contaminated Soil  
Gas Plant Waste

### NON-INJECTABLE WATERS

Washout Water (Non-Injectable)  
Completion Fluid/Flow Back (Non-Injectable)  
Produced Water (Non-Injectable)  
Gathering Line Water/Waste (Non-Injectable)

### OTHER EXEMPT E&P WASTE STREAMS

### INTERNAL USE ONLY

Truck Washout (exempt waste) YES NO

### TOP SOIL & CALICHE SALES

QUANTITY TOP SOIL CALICHE

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

\*please select from Non-Exempt Waste List on back

Non-Exempt Other \_\_\_\_\_

DISPOSAL QUANTITY

B - BARRELS

L - LIQUID

20 (Y - YARDS)

E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information

☐ RCRA Hazardous Waste Analysis

☐ Other (Provide Description Below)

☐ EMERGENCY NON-OILFIELD

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name

Driver's Name

Address

Print Name

Phone No.

Phone No.

Transporter Ticket #

Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

## DISPOSAL FACILITY

RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. \_\_\_\_\_

Site Name/  
Permit No.

Halfway Facility / NM1-006

Phone No. 575-392-6368

Address

6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

NORM READINGS TAKEN? (Circle One) YES NO  
PASS THE PAINT FILTER TEST? (Circle One) YES NO

If YES, was reading > 50 micro roentgens? (Circle One) YES NO

## TANK BOTTOMS

Feet

Inches

1st Gauge  
2nd Gauge  
Received

BS&W/BBLs Received

Free Water

Total Received

BS&W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

DATE

TITLE

SIGNATURE





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Bonnie M. Morales

Phone No. \_\_\_\_\_

## GENERATOR

NO. **HW- 755449**

Generator Manifest # \_\_\_\_\_

Generator Name Now Wave Energy

Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_

Phone No. \_\_\_\_\_

Location of Origin

Lease/Well

Name & No. FNR Fed = 284County EddyAPI No. 20-615-5059.00Rig Name & No. 250214052

AFE/PO No. \_\_\_\_\_

EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	NON-INJECTABLE WATERS	_____	OTHER EXEMPT E&P WASTE STREAMS	_____
Oil Based Cuttings	_____	Washout Water (Non-Injectable)	_____		
Water Based Muds	_____	Completion Fluid/Flow Back (Non-Injectable)	_____		
Water Based Cuttings	_____	Produced Water (Non-Injectable)	_____		
Produced Formation Solids	_____	Gathering Line Water/Waste (Non-Injectable)	_____		
Tank Bottoms	_____	INTERNAL USE ONLY	_____	TOP SOIL & CALICHE SALES	_____
E&P Contaminated Soil	_____	Truck Washout (exempt waste)	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	QUANTITY	TOP SOIL <input type="checkbox"/> CALICHE <input type="checkbox"/>
Gas Plant Waste	_____				

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 22 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Sam Tex MexAddress Samuel TXPhone No. 4321 209-4270

Transporter Ticket # \_\_\_\_\_

Driver's Name Enrique Montañez

Print Name

Phone No. \_\_\_\_\_

Truck No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 4-7-25DRIVER'S SIGNATURE [Signature]DELIVERY DATE 4-7-25DRIVER'S SIGNATURE [Signature]

TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

RECEIVING AREA

Name/No. 08

Site Name/ Permit No.

Halfway Facility / NM1-006

Address

6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220Phone No. 575-392-6368

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

PASS THE PAINT FILTER TEST? (Circle One)

YES

NO

## TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&amp;W/BBLS Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

DATE

TITLE

SIGNATURE



# NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) \*REQUIRED INFORMATION\*

Company Man Contact Information  
Name Robert M. Long  
Phone No. 505-219-5265

## GENERATOR

NO. **AD-** 0030138

Generator Manifest # New Wave Energy  
Generator Name \_\_\_\_\_  
Address \_\_\_\_\_  
City, State, Zip \_\_\_\_\_  
Phone No. \_\_\_\_\_

Location of Origin \_\_\_\_\_  
Lease/Well \_\_\_\_\_  
Name & No. ENR FUL #28 H  
County \_\_\_\_\_  
API No. 30-015-55590 5 5059  
Rig Name & No. WAP 250212-250  
AFE/PO No. \_\_\_\_\_

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)		OTHER EXEMPT E&P WASTE STREAMS		
Oil Based Muds	_____	<u>Boiler Dump</u>		
Oil Based Cuttings	_____			
Water Based Muds	_____			
Water Based Cuttings	_____			
Produced Formation Solids	_____			
Tank Bottoms	_____	TOP SOIL & CALICHE SALES		
E&P Contaminated Soil	_____	QUANTITY	TOP SOIL	CALICHE
Gas Plant Waste	_____	INTERNAL USE ONLY		
Truck Washout (exempt waste) YES _____ NO _____		GATHERING LINES		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount  
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.  
\*please select from Non-Exempt Waste List on back

Non-Exempt Other \_\_\_\_\_  
B - BARRELS L - LIQUID 20 Y - YARDS E - EACH

DISPOSAL QUANTITY \_\_\_\_\_

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)
- ☐ EMERGENCY NON-OILFIELD Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE \_\_\_\_\_

DATE \_\_\_\_\_

SIGNATURE \_\_\_\_\_

## TRANSPORTER

Transporter's Name SAM TR  
Address \_\_\_\_\_  
Phone No. \_\_\_\_\_  
Transporter Ticket # \_\_\_\_\_

Driver's Name Robert M. Long  
Print Name \_\_\_\_\_  
Phone No. \_\_\_\_\_  
Truck No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE 4-8-25

DRIVER'S SIGNATURE \_\_\_\_\_

## DISPOSAL FACILITY

RECEIVING AREA

TRUCK TIME STAMP  
IN: 12:51p OUT: 1:00p

Name/No. Allen

Site Name/ Permit No. Antelope Draw Facility / NM1-66  
Address 476 Battle Axe Rd., Jal, NM 88252

Phone No. 575-236-1734

NORM READINGS TAKEN? (Circle One) YES NO  
PASS THE PAINT FILTER TEST? (Circle One) YES NO

If YES, was reading > 50 micro roentgens? (Circle One) YES NO

## TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

BS&W/BBLS Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one):

ACCEPTED YES

DENIED

If denied, why?

DATE \_\_\_\_\_

TITLE \_\_\_\_\_

SIGNATURE \_\_\_\_\_





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Brian M. LopezPhone No. 505-314-5765

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. **AD-0030105**

Generator Manifest # New Wave Energy

Generator Name \_\_\_\_\_

Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_

Phone No. \_\_\_\_\_

Location of Origin  
Lease/Well  
Name & No. FNR Fed H 28 H

County \_\_\_\_\_

API No. 30-015-505900

Rig Name & No. ADP 3021 60250

AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	NON-INJECTABLE WATERS	_____	OTHER EXEMPT E&P WASTE STREAMS	_____
Oil Based Cuttings	_____	Washout Water (Non-Injectable)	_____		
Water Based Muds	_____	Completion Fluid/Flow Back (Non-Injectable)	_____		
Water Based Cuttings	_____	Produced Water (Non-Injectable)	_____		
Produced Formation Solids	_____	Gathering Line Water/Waste (Non-Injectable)	_____		
Tank Bottoms	_____	INTERNAL USE ONLY	_____		
E&P Contaminated Soil	_____	Truck Washout (exempt waste)	YES NO	QUANTITY	TOP SOIL CALICHE
Gas Plant Waste	_____				

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Sam Tex Mex

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Transporter Ticket # \_\_\_\_\_

Driver's Name Nahay Rodriguez

Print Name \_\_\_\_\_

Phone No. \_\_\_\_\_

Truck No. 64

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: 9:48 OUT: 9:58

## DISPOSAL FACILITY

## RECEIVING AREA

Site Name/Permit No. Antelope Draw Facility / NM1-66

Address 476 Battle Axe Rd., Jal, NM 88252

Phone No. 575-236-1734NORM READINGS TAKEN? (Circle One) YES ☒ NO ☐If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☐PASS THE PAINT FILTER TEST? (Circle One) YES ☐ NO ☐

## TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
3rd Gauge		

BS&W/BBLs Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one):

ACCEPTED ☒DENIED ☐

If denied, why? \_\_\_\_\_

NAME (PRINT)

DATE

TITLE

SIGNATURE



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Received by OCD: 6/25/2025 3:29:16 PM  
Released to Imaging: 8/6/2025 1:35:55 PM



(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Name 820-210-0100

Phone No. 970-319-5765

## GENERATOR

NO. **AD-0030139**

Generator Manifest # New Mexico Energy  
Generator Name \_\_\_\_\_  
Address \_\_\_\_\_  
City, State, Zip \_\_\_\_\_  
Phone No. \_\_\_\_\_

Location of Origin  
Lease/Well Name & No. FAIR FOL # 28H  
County \_\_\_\_\_  
API No. 30-115-055048  
Rig Name & No. MVP 2502/60153  
AFE/PO No. \_\_\_\_\_

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	NON-INJECTABLE WATERS	_____	OTHER EXEMPT E&P WASTE STREAMS	_____
Oil Based Cuttings	_____	Washout Water (Non-Injectable)	_____		
Water Based Muds	_____	Completion Fluid/Flow Back (Non-Injectable)	_____		
Water Based Cuttings	_____	Produced Water (Non-Injectable)	_____		
Produced Formation Solids	_____	Gathering Line Water/Waste (Non-Injectable)	_____		
Tank Bottoms	_____	INTERNAL USE ONLY	_____	TOP SOIL & CALICHE SALES	_____
E&P Contaminated Soil	_____	Truck Washout (exempt waste)	YES _____ NO _____	QUANTITY	TOP SOIL _____ CALICHE _____
Gas Plant Waste	_____				

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 20 Y - YARDS E - EACH

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- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)
- ☐ EMERGENCY NON-OILFIELD Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Sum-Tex  
Address \_\_\_\_\_  
Phone No. \_\_\_\_\_  
Transporter Ticket # \_\_\_\_\_

Driver's Name Alber Rodriguez  
Print Name \_\_\_\_\_  
Phone No. \_\_\_\_\_  
Truck No. 64

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: 3:21p OUT: 3:31p

DISPOSAL FACILITY

RECEIVING AREA

Name/No. Chen

Site Name/ Permit No. Antelope Draw Facility / NM1-66  
Address 476 Battle Axe Rd., Jal, NM 88252

Phone No. 575-236-1734

NORM READINGS TAKEN? (Circle One) YES NO  
PASS THE PAINT FILTER TEST? (Circle One) YES NO

If YES, was reading > 50 micro roentgens? (Circle One) YES NO

## TANK BOTTOMS

	Feet	Inches
1st Gauge	_____	_____
2nd Gauge	_____	_____
Received	_____	_____

BS&W/BBLs Received	_____	BS&W (%)	_____
Free Water	_____		
Total Received	_____		

I hereby certify that the above load material has been (circle one) ACCEPTED NO DENIED If denied, why? NO

NAME (PRINT)

DATE

TITLE

SIGNATURE

C-138

White - R360 ORIGINAL

Yellow- TRANSPORTER COPY

Pink- GENERATOR SITE COPY

Gold- RETURN TO GENERATOR





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Brad Melander

Phone No. \_\_\_\_\_

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. **HW-752444**Generator Manifest # NEW WAVE ENERGYGenerator Name 1

Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_

Phone No. \_\_\_\_\_

Location of Origin \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. FNR Fed # 28HCounty McKinleyAPI No. 30-015-505900

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	NON-INJECTABLE WATERS	_____	OTHER EXEMPT E&P WASTE STREAMS	_____
Oil Based Cuttings	_____	Washout Water (Non-Injectable)	_____	<u>Billy Dumps</u>	
Water Based Muds	_____	Completion Fluid/Flow Back (Non-Injectable)	_____		
Water Based Cuttings	_____	Produced Water (Non-Injectable)	_____		
Produced Formation Solids	_____	Gathering Line Water/Waste (Non-Injectable)	_____		
Tank Bottoms	_____	INTERNAL USE ONLY	_____	TOP SOIL & CALICHE SALES	_____
E&P Contaminated Soil	_____	Truck Washout (exempt waste)	YES _____ NO _____	QUANTITY	TOP SOIL _____ CALICHE _____
Gas Plant Waste	_____				

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)
- ☐ EMERGENCY NON-OILFIELD Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE Brad Melander

DATE \_\_\_\_\_

SIGNATURE \_\_\_\_\_

## TRANSPORTER

Transporter's Name SENTEX MEX

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Transporter Ticket # \_\_\_\_\_

Driver's Name Gustavo Ruiz

Print Name \_\_\_\_\_

Phone No. \_\_\_\_\_

Truck No. 58

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 4-8-25

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE 4-8-25

DRIVER'S SIGNATURE \_\_\_\_\_

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: 1:50P OUT: 3:30P

Name/No. \_\_\_\_\_

 Site Name/  
 Permit No. Halfway Facility / NM1-006  
 Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220
Phone No. 575-392-6368
 NORM READINGS TAKEN? (Circle One) YES \_\_\_\_\_ NO \_\_\_\_\_  
 PASS THE PAINT FILTER TEST? (Circle One) YES \_\_\_\_\_ NO \_\_\_\_\_

If YES, was reading &gt; 50 micro roentgens? (Circle One) YES \_\_\_\_\_ NO \_\_\_\_\_

## TANK BOTTOMS

	Feet	Inches
1st Gauge	_____	_____
2nd Gauge	_____	_____
Received	_____	_____

BS&W/BBLs Received	_____	BS&W (%)	_____
Free Water	_____		
Total Received	_____		

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? \_\_\_\_\_

NAME (PRINT)

DATE

TITLE

SIGNATURE





# NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) \*REQUIRED INFORMATION\*

Company Man Contact Information  
Name Brook Malander  
Phone No. \_\_\_\_\_

Generator Manifest # \_\_\_\_\_  
Generator Name New Wave Energy  
Address \_\_\_\_\_  
City, State, Zip \_\_\_\_\_  
Phone No. \_\_\_\_\_

Location of Origin  
Lease/Well Name & No. ENM Fed # 28 H  
County incident: 11/10/2015 0752  
API No. 20-1010-0000  
Rig Name & No. \_\_\_\_\_  
AFE/PO No. \_\_\_\_\_

NO. **HW-738795**

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)		OTHER EXEMPT E&P WASTE STREAMS		
Oil Based Muds	_____	<u>Billy Dumps</u>		
Oil Based Cuttings	_____			
Water Based Muds	_____			
Water Based Cuttings	_____			
Produced Formation Solids	_____			
Tank Bottoms	_____	TOP SOIL & CALICHE SALES		
E&P Contaminated Soil	_____	QUANTITY	TOP SOIL	CALICHE
Gas Plant Waste	_____	INTERNAL USE ONLY		
Truck Washout (exempt waste) YES _____ NO _____		GATHERING LINES		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount  
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.  
\*please select from Non-Exempt Waste List on back

Non-Exempt Other \_\_\_\_\_

DISPOSAL QUANTITY B - BARRELS L - LIQUID 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

☐ EMERGENCY NON-OILFIELD Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

Brook Malander DATE \_\_\_\_\_ SIGNATURE \_\_\_\_\_  
(PRINT) AUTHORIZED AGENTS SIGNATURE

TRANSPORTER	
Transporter's Name <u>REM TOW INC</u>	Driver's Name <u>Gustavo Ruiz</u>
Address _____	Print Name _____
Phone No. _____	Phone No. _____
Transporter Ticket # _____	Truck No. <u># 58</u>

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_ DRIVER'S SIGNATURE \_\_\_\_\_ DELIVERY DATE \_\_\_\_\_ DRIVER'S SIGNATURE \_\_\_\_\_

TRUCK TIME STAMP		DISPOSAL FACILITY		RECEIVING AREA	
IN: <u>10:10</u>	OUT: <u>10:30</u>	Name/No. <u>CLM</u>			

Site Name/Permit No. Halfway Facility / NM1-006  
Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-392-6368

NORM READINGS TAKEN? (Circle One) YES NO  
PASS THE PAINT FILTER TEST? (Circle One) YES NO

If YES, was reading > 50 micro roentgens? (Circle One) YES NO

TANK BOTTOMS					
1st Gauge	Feet _____ Inches _____	BS&W/BBLs Received	_____	BS&W (%)	_____
2nd Gauge	_____	Free Water	_____		
Received	_____	Total Received	_____		

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? Oil

DATE \_\_\_\_\_ TITLE \_\_\_\_\_ SIGNATURE \_\_\_\_\_





(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Name Brock Molander

Phone No. \_\_\_\_\_

## GENERATOR

NO. **HW-752445**

Generator Manifest # \_\_\_\_\_  
 Generator Name New Wave Energy  
 Address \_\_\_\_\_  
 City, State, Zip \_\_\_\_\_  
 Phone No. \_\_\_\_\_

Location of Origin \_\_\_\_\_  
 Lease/Well \_\_\_\_\_  
 Name & No. ENR Fed # 28 H  
 County Incident # 2502160292  
 API No. 20-015-505400  
 Rig Name & No. \_\_\_\_\_  
 AFE/PO No. \_\_\_\_\_

### EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	NON-INJECTABLE WATERS	_____	OTHER EXEMPT E&P WASTE STREAMS	_____
Oil Based Cuttings	_____	Washout Water (Non-Injectable)	_____		
Water Based Muds	_____	Completion Fluid/Flow Back (Non-Injectable)	_____		
Water Based Cuttings	_____	Produced Water (Non-Injectable)	_____		
Produced Formation Solids	_____	Gathering Line Water/Waste (Non-Injectable)	_____		
Tank Bottoms	_____	INTERNAL USE ONLY	_____		
E&P Contaminated Soil	_____	Truck Washout (exempt waste)	YES _____ NO _____	QUANTITY	TOP SOIL CALICHE
Gas Plant Waste	_____				

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

### NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)
- ☐ EMERGENCY NON-OILFIELD Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Seni Tex Mex  
 Address \_\_\_\_\_  
 Phone No. \_\_\_\_\_  
 Transporter Ticket # \_\_\_\_\_

Driver's Name Guillermo Ruiz  
 Print Name \_\_\_\_\_  
 Phone No. \_\_\_\_\_  
 Truck No. #58

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

### TRUCK TIME STAMP

### DISPOSAL FACILITY

### RECEIVING AREA

IN: 3:42 P OUT: 3:53 P

Name/No. (initials)

Site Name/  
 Permit No. Halfway Facility / NM1-006  
 Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-392-6368

NORM READINGS TAKEN? (Circle One) YES ☒ NO ☒  
 PASS THE PAINT FILTER TEST? (Circle One) YES ☒ NO ☒

If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☒

## TANK BOTTOMS

Feet	Inches	BS&W/BBLs Received	BS&W (%)
_____	_____	Free Water	_____
_____	_____	Total Received	_____

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? \_\_\_\_\_

NAME (PRINT)

DATE

TITLE

SIGNATURE





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Brock Malader

Phone No. \_\_\_\_\_

## GENERATOR

NO. **HW-738791**

Generator Manifest # \_\_\_\_\_

Generator Name New Wave Energy

Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_

Phone No. \_\_\_\_\_

Location of Origin \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. FWR Fed # 28HCounty Incident # 2502160952API No. 20-045-505900

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	NON-INJECTABLE WATERS	_____	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings	_____	Washout Water (Non-Injectable)	_____	<u>Billy Dumps</u>
Water Based Muds	_____	Completion Fluid/Flow Back (Non-Injectable)	_____	
Water Based Cuttings	_____	Produced Water (Non-Injectable)	_____	
Produced Formation Solids	_____	Gathering Line Water/Waste (Non-Injectable)	_____	
Tank Bottoms	_____	INTERNAL USE ONLY	_____	TOP SOIL & CALICHE SALES
E&P Contaminated Soil	_____	Truck Washout (exempt waste)	YES _____ NO _____	QUANTITY _____ TOP SOIL _____ CALICHE _____
Gas Plant Waste	_____			

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)
- ☐ EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Seon Tex Mex

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Transporter Ticket # \_\_\_\_\_

Driver's Name Gustavo Ruiz

Print Name \_\_\_\_\_

Phone No. \_\_\_\_\_

Truck No. #58

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. \_\_\_\_\_

Site Name/

Permit No. Halfway Facility / NM1-006Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220Phone No. 575-392-6368

NORM READINGS TAKEN? (Circle One) YES ☒ NO ☐

PASS THE PAINT FILTER TEST? (Circle One) YES ☒ NO ☐

If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☒

## TANK BOTTOMS

Feet	Inches
_____	_____
_____	_____
_____	_____

BS&W/BBLs Received	_____	BS&W (%)	_____
Free Water	_____		
Total Received	_____		

I hereby certify that the above load material has been (circle one): ACCEPTED ☒ DENIED ☐ If denied, why? \_\_\_\_\_

NAME (PRINT)

DATE

TITLE

SIGNATURE





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Barack Mahabadi

Phone No. \_\_\_\_\_

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. **HW-738794**

Generator Manifest # \_\_\_\_\_

Generator Name New Wave Energy

Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_

Phone No. \_\_\_\_\_

Location of Origin \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. ENM Fed # 28 HCounty incident 1-110002507120252API No. 30-1615-505900

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	NON-INJECTABLE WATERS	_____	OTHER EXEMPT E&P WASTE STREAMS	_____
Oil Based Cuttings	_____	Washout Water (Non-Injectable)	_____	<u>Billy Pumps</u>	
Water Based Muds	_____	Completion Fluid/Flow Back (Non-Injectable)	_____		
Water Based Cuttings	_____	Produced Water (Non-Injectable)	_____		
Produced Formation Solids	_____	Gathering Line Water/Waste (Non-Injectable)	_____		
Tank Bottoms	_____	INTERNAL USE ONLY	_____	TOP SOIL & CALICHE SALES	_____
E&P Contaminated Soil	_____	Truck Washout (exempt waste)	YES _____ NO _____	QUANTITY	_____
Gas Plant Waste	_____			TOP SOIL	CALICHE

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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(PRINT) AUTHORIZED AGENTS SIGNATURE \_\_\_\_\_

DATE \_\_\_\_\_

SIGNATURE \_\_\_\_\_

## TRANSPORTER

Transporter's Name Sam Tex Mex

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Transporter Ticket # \_\_\_\_\_

Driver's Name Barbara Ruiz

Print Name \_\_\_\_\_

Phone No. \_\_\_\_\_

Truck No. #58

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 7-25

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE 7-25

DRIVER'S SIGNATURE \_\_\_\_\_

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 08Site Name/Permit No. Halfway Facility / NM1-006Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220Phone No. 575-392-6368

NORM READINGS TAKEN? (Circle One) YES \_\_\_\_\_ NO \_\_\_\_\_

PASS THE PAINT FILTER TEST? (Circle One) YES \_\_\_\_\_ NO \_\_\_\_\_

If YES, was reading &gt; 50 micro roentgens? (Circle One) YES \_\_\_\_\_ NO \_\_\_\_\_

## TANK BOTTOMS

Feet	Inches	BS&W/BBLS Received	BS&W (%)
_____	_____	Free Water	_____
_____	_____	Total Received	_____

I hereby certify that the above load material has been (circle one): ACCEPTED \_\_\_\_\_ DENIED \_\_\_\_\_ If denied, why? \_\_\_\_\_

NAME (PRINT) \_\_\_\_\_

DATE \_\_\_\_\_

TITLE \_\_\_\_\_

SIGNATURE \_\_\_\_\_





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Brock Molader

Phone No. \_\_\_\_\_

## GENERATOR

NO. **HW-738793**

Generator Manifest # New Wave Energy

Generator Name New Wave Energy

Address 10000 N. 2nd St.

City, State, Zip Albuquerque, NM 87112

Phone No. 505-250-2100

Location of Origin ENM Fed # 28H

Lease/Well Name & No. incident N0002502160752

County 30-615-905902

API No. \_\_\_\_\_

Rig Name & No. \_\_\_\_\_

AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow Back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste	YES NO	QUANTITY TOP SOIL CALICHE

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 20 Y - YARDS E - EACH

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- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)
- ☐ EMERGENCY NON-OILFIELD Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Sam Tex Mex

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Transporter Ticket # \_\_\_\_\_

Driver's Name Guillermo Ruiz

Print Name \_\_\_\_\_

Phone No. \_\_\_\_\_

Truck No. 458

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. \_\_\_\_\_

Site Name/Permit No. Halfway Facility / NM1-006

Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-392-6368

NORM READINGS TAKEN? (Circle One) YES NO

PASS THE PAINT FILTER TEST? (Circle One) YES NO

If YES, was reading > 50 micro roentgens? (Circle One) YES NO

## TANK BOTTOMS

Feet	Inches	BS&W/BBLS Received	BS&W (%)
1st Gauge		Free Water	
2nd Gauge		Total Received	
3rd Gauge			

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) \*REQUIRED INFORMATION\*

Company Man Contact Information  
Name \_\_\_\_\_  
Phone No. \_\_\_\_\_

<b>GENERATOR</b>		NO. <b>357959</b>
Operator No. _____	Permit/RRC No. _____	
Operators Name <b>New Dawn Energy</b>	Lease/Well _____	
Address _____	Name & No. <b>FNR Fed #284</b>	
	County <b>Waller</b>	
	API No. <b>10-015-505900</b>	
City, State, Zip _____	Rig Name & No. _____	
Phone No. _____	AFE/PO No. _____	

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)		
Oil Based Muds _____	<b>NON-INJECTABLE WATERS</b>	<b>OTHER EXEMPT WASTES</b> (type and generation process of the waste)
Oil Based Cuttings _____	Washout Water (Non-Injectable) _____	
Water Based Muds _____	Completion Fluid/Flow Back (Non-Injectable) _____	
Water Based Cuttings _____	Produced Water (Non-Injectable) _____	
Produced Formation Solids _____	Gathering Line Water/Waste (Non-Injectable) _____	
Tank Bottoms _____	<b>INTERNAL USE ONLY</b>	
E&P Contaminated Soil _____	Truck Washout (exempt waste) _____	
Gas Plant Waste _____		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount  
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.  
Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY	B-BARRELS	Y-YARDS	E-EACH
----------	-----------	---------	--------

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below) \_\_\_\_\_

(PRINT) AUTHORIZED AGENTS SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_ SIGNATURE \_\_\_\_\_

<b>TRANSPORTER</b>	
Transporter's Name <b>Son Tex Mex</b>	Driver's Name <b>Raul Garcia</b>
Address _____	Phone No. _____
	Truck No. <b>166</b>
Phone No. _____	WHP No. _____

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_ DRIVER'S SIGNATURE \_\_\_\_\_ DELIVERY DATE \_\_\_\_\_ DRIVER'S SIGNATURE \_\_\_\_\_

<b>TRUCK TIME STAMP</b> IN: _____ OUT: _____	<b>DISPOSAL FACILITY</b>	<b>RECEIVING AREA</b> Name/No. <b>28</b>
---	--------------------------	---

Site Name/ **Red Bluff Facility / STF-065** Phone No. **432-448-4239**  
Permit No. \_\_\_\_\_  
Address **5053 US Hwy 285, Orla, TX 79770**

NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (Circle One) YES NO  
NORM (mR/hr) \_\_\_\_\_

TANK BOTTOMS			
Feet	Inches	BS&W Received	BS&W (%)
		Free Water	
		Total Received	

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? \_\_\_\_\_

NAME (PRINT) **Allyandra P** DATE **2/26/25** TITLE **NORM** SIGNATURE \_\_\_\_\_





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Mark Menden

Phone No. \_\_\_\_\_

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. **HW-743606**Generator Manifest # NEW WAVE ENERGYLocation of Origin  
Lease/WellFNR Fed

Generator Name \_\_\_\_\_

Name &amp; No.

#28 H

Address \_\_\_\_\_

County

El Paso

City, State, Zip \_\_\_\_\_

API No.

4001560900

Phone No. \_\_\_\_\_

Rig Name &amp; No.

WMP 2502160252

AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	NON-INJECTABLE WATERS	_____	OTHER EXEMPT E&P WASTE STREAMS	_____
Oil Based Cuttings	_____	Washout Water (Non-Injectable)	_____		
Water Based Muds	_____	Completion Fluid/Flow Back (Non-Injectable)	_____		
Water Based Cuttings	_____	Produced Water (Non-Injectable)	_____		
Produced Formation Solids	_____	Gathering Line Water/Waste (Non-Injectable)	_____		
Tank Bottoms	_____	INTERNAL USE ONLY	_____	TOP SOIL & CALICHE SALES	_____
E&P Contaminated Soil	_____	Truck Washout (exempt waste)	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	QUANTITY	_____
Gas Plant Waste	_____			TOP SOIL	CALICHE

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name SEM FOR INC

Driver's Name

Michael Hume

Address \_\_\_\_\_

Print Name

Gilbert HumePhone No. 432-209-4270

Phone No.

62 Kelly Drive

Transporter Ticket # \_\_\_\_\_

Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 28Site Name/  
Permit No.Halfway Facility / NM1-006

Phone No.

575-392-6368Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

PASS THE PAINT FILTER TEST? (Circle One)

YES

NO

## TANK BOTTOMS

Feet	Inches
1st Gauge	_____
2nd Gauge	_____
Received	_____

BS&W/BBLS Received	_____	BS&W (%)	_____
Free Water	_____		
Total Received	_____		

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) \*REQUIRED INFORMATION\*

Company Man Contact Information

Name \_\_\_\_\_

Phone No. \_\_\_\_\_

GENERATOR

NO. **HW-7037873**

Generator Manifest # \_\_\_\_\_

Location of Origin \_\_\_\_\_

Generator Name \_\_\_\_\_

Lease/Well \_\_\_\_\_

Address \_\_\_\_\_

Name & No. \_\_\_\_\_

County \_\_\_\_\_

City, State, Zip \_\_\_\_\_

API No. \_\_\_\_\_

Phone No. \_\_\_\_\_

Rig Name & No. \_\_\_\_\_

AFE/PO No. \_\_\_\_\_

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	NON-INJECTABLE WATERS	_____	OTHER EXEMPT E&P WASTE STREAMS	_____
Oil Based Cuttings	_____	Washout Water (Non-Injectable)	_____		
Water Based Muds	_____	Completion Fluid/Flow Back (Non-Injectable)	_____		
Water Based Cuttings	_____	Produced Water (Non-Injectable)	_____		
Produced Formation Solids	_____	Gathering Line Water/Waste (Non-Injectable)	_____		
Tank Bottoms	_____	INTERNAL USE ONLY	_____	TOP SOIL & CALICHE SALES	_____
E&P Contaminated Soil	_____	Truck Washout (exempt waste)	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	QUANTITY	_____
Gas Plant Waste	_____			TOP SOIL	_____
				CALICHE	_____

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY

B - BARRELS

L - LIQUID

Y - YARDS

E - EACH

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☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information

☐ RCRA Hazardous Waste Analysis

☐ Other (Provide Description Below)

☐ EMERGENCY NON-OILFIELD

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name \_\_\_\_\_

Driver's Name \_\_\_\_\_

Address \_\_\_\_\_

Print Name \_\_\_\_\_

Phone No. \_\_\_\_\_

Phone No. \_\_\_\_\_

Transporter Ticket # \_\_\_\_\_

Truck No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. \_\_\_\_\_

Site Name/

Permit No.

Address

**Halfway Facility / NM1-006**

**6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220**

Phone No.

**575-392-6368**

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (Circle One)

YES

NO

PASS THE PAINT FILTER TEST? (Circle One)

YES

NO

TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

3rd Gauge

BS&W/BBLS Received

Free Water

Total Received

BS&W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Brack M. ...

Phone No. \_\_\_\_\_

(PLEASE PRINT) \*REQUIRED INFORMATION\*

## GENERATOR

NO. **HW-739465**

Generator Manifest # New Wave Energy  
 Generator Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 City, State, Zip \_\_\_\_\_  
 Phone No. \_\_\_\_\_

Location of Origin FNR Fed 28H  
 Lease/Well \_\_\_\_\_  
 Name & No. Incident: NADP502160252  
 County El Paso  
 API No. 30-615-60500  
 Rig Name & No. \_\_\_\_\_  
 AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	NON-INJECTABLE WATERS	_____	OTHER EXEMPT E&P WASTE STREAMS	_____
Oil Based Cuttings	_____	Washout Water (Non-Injectable)	_____	<u>Belly</u>	
Water Based Muds	_____	Completion Fluid/Flow Back (Non-Injectable)	_____		
Water Based Cuttings	_____	Produced Water (Non-Injectable)	_____		
Produced Formation Solids	_____	Gathering Line Water/Waste (Non-Injectable)	_____		
Tank Bottoms	_____	INTERNAL USE ONLY	_____	TOP SOIL & CALICHE SALES	_____
E&P Contaminated Soil	_____	Truck Washout (exempt waste)	YES _____ NO <u>NO</u>	QUANTITY	TOP SOIL CALICHE
Gas Plant Waste	_____				

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 200 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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☐ RCRA NON-EXEMPT:

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☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Sen Tex Mov  
 Address \_\_\_\_\_  
 Phone No. (432) 309-4270  
 Transporter Ticket # \_\_\_\_\_

Driver's Name Gedion J. Hines  
 Print Name Gedion Hines  
 Phone No. \_\_\_\_\_  
 Truck No. 63

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28Site Name/  
Permit No.Halfway Facility / NM1-006

Address

6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220Phone No. 575-392-6368NORM READINGS TAKEN? (Circle One) YES NOIf YES, was reading > 50 micro roentgens? (Circle One) YES NOPASS THE PAINT FILTER TEST? (Circle One) YES NO

## TANK BOTTOMS

	Feet	Inches
Guage		
Guage		
Received		

BS&W/BBLS Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Name Bruce A. Foster

Phone No. \_\_\_\_\_

## GENERATOR

NO. **HW-7039811**Generator Manifest # 1000-10000-0000

Location of Origin

Lease/Well

Name & No. Trident N4995621-00250County 4thAPI No. 30-019-505940

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. \_\_\_\_\_

Generator Name \_\_\_\_\_

Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_

Phone No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	NON-INJECTABLE WATERS	_____	OTHER EXEMPT E&P WASTE STREAMS	_____
Oil Based Cuttings	_____	Washout Water (Non-Injectable)	_____	<u>Belly</u>	
Water Based Muds	_____	Completion Fluid/Flow Back (Non-Injectable)	_____		
Water Based Cuttings	_____	Produced Water (Non-Injectable)	_____		
Produced Formation Solids	_____	Gathering Line Water/Waste (Non-Injectable)	_____		
Tank Bottoms	_____	INTERNAL USE ONLY	_____	TOP SOIL & CALICHE SALES	_____
E&P Contaminated Soil	_____	Truck Washout (exempt waste)	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	QUANTITY	TOP SOIL CALICHE
Gas Plant Waste	_____				

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY

B - BARRELS

L - LIQUID

Y - YARDS

E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Santa Fe

Address \_\_\_\_\_

Phone No. 505-255-6270

Transporter Ticket # \_\_\_\_\_

Driver's Name AdrianPrint Name Adrian

Phone No. \_\_\_\_\_

Truck No. 62

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 3/27/25DRIVER'S SIGNATURE [Signature]DELIVERY DATE 3/27/25DRIVER'S SIGNATURE [Signature]

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_

OUT: \_\_\_\_\_

Name/No. [Signature]

Site Name/

Permit No. \_\_\_\_\_

Address \_\_\_\_\_

**Halfway Facility / NM1-006****6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220**Phone No. **575-392-6368**NORM READINGS TAKEN? (Circle One) YES ☐ NO ☒  
PASS THE PAINT FILTER TEST? (Circle One) YES ☐ NO ☒If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☒

## TANK BOTTOMS

Feet

Inches

Gauge

Gauge

Received

BS&amp;W/BBLs Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED [Signature]

DENIED

If denied, why? [Signature]

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - R360 ORIGINAL

Yellow- TRANSPORTER COPY

Pink- GENERATOR SITE COPY

Gold- RETURN TO GENERATOR









# NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) \*REQUIRED INFORMATION\*

Company Man Contact Info

Name Brock Molander

Phone No. \_\_\_\_\_

NO. **HW-738792**

Generator Manifest # \_\_\_\_\_

## GENERATOR

Generator Name New Wave Energy

Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_

Phone No. \_\_\_\_\_

Location of Origin

Lease/Well

Name & No. ENR Fed # 28 H

County \_\_\_\_\_

API No. 30-015-505700

Rig Name & No. \_\_\_\_\_

AFE/PO No. 116144-Napp 7507160250

Oil Based Muds  
Oil Based Cuttings  
Water Based Muds  
Water Based Cuttings  
Produced Formation Solids  
Tank Bottoms  
E&P Contaminated Soil  
Gas Plant Waste

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

### NON-INJECTABLE WATERS

Washout Water (Non-Injectable) \_\_\_\_\_

Completion Fluid/Flow Back (Non-Injectable) \_\_\_\_\_

Produced Water (Non-Injectable) \_\_\_\_\_

Gathering Line Water/Waste (Non-Injectable) \_\_\_\_\_

### INTERNAL USE ONLY

Truck Washout (exempt waste) \_\_\_\_\_

### OTHER EXEMPT E&P WASTE STREAMS

Billy Dumps

### TOP SOIL & CALICHE SALES

QUANTITY \_\_\_\_\_ TOP SOIL \_\_\_\_\_ CALICHE \_\_\_\_\_

WASTE GENERATION PROCESS:

☐ DRILLING

☐ COMPLETION

☐ PRODUCTION

☐ GATHERING LINES

Non-Exempt Other \_\_\_\_\_

All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

DISPOSAL QUANTITY

B - BARRELS

L - LIQUID

20 Y - YARDS

E - EACH

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☐ MSDS Information

☐ RCRA Hazardous Waste Analysis

☐ Other (Provide Description Below)

☐ EMERGENCY NON-OILFIELD

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE Brock Molander

DATE \_\_\_\_\_

SIGNATURE \_\_\_\_\_

## TRANSPORTER

Transporter's Name SEM TEX MEX

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Transporter Ticket # \_\_\_\_\_

Driver's Name Buonafina Ruiz

Print Name \_\_\_\_\_

Phone No. \_\_\_\_\_

Truck No. # 50

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 3-26-25

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE 3-26-25

DRIVER'S SIGNATURE \_\_\_\_\_

### TRUCK TIME STAMP

IN: \_\_\_\_\_

OUT: \_\_\_\_\_

## DISPOSAL FACILITY

### RECEIVING AREA

Name/No. 20

**Halfway Facility / NM1-006**

**6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220**

Phone No. **575-392-6368**

NORM READINGS TAKEN? (Circle One) YES (X) NO

PASS THE PAINT FILTER TEST? (Circle One) YES (X) NO

If YES, was reading > 50 micro roentgens? (Circle One) YES NO

## TANK BOTTOMS

Feet \_\_\_\_\_

Inches \_\_\_\_\_

BS&W/BBLs Received \_\_\_\_\_

Free Water \_\_\_\_\_

Total Received \_\_\_\_\_

BS&W (%) \_\_\_\_\_

Language \_\_\_\_\_  
Language \_\_\_\_\_  
Language \_\_\_\_\_

I hereby certify that the above load material has been (circle one):

ACCEPTED (X)

DENIED \_\_\_\_\_

If denied, why? \_\_\_\_\_

NAME (PRINT) John

DATE \_\_\_\_\_

TITLE \_\_\_\_\_

SIGNATURE \_\_\_\_\_

White - R360 ORIGINAL

Yellow - TRANSPORTER COPY

Pink - GENERATOR SITE COPY

Gold - RETURN TO GENERATOR



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) \*REQUIRED INFORMATION\*

Name Brock Melander  
Phone No. \_\_\_\_\_

NO. **HW-738790**

**GENERATOR**

Generator Manifest # \_\_\_\_\_  
Generator Name New Wave Energy  
Address \_\_\_\_\_  
City, State, Zip \_\_\_\_\_  
Phone No. \_\_\_\_\_

Location of Origin  
Lease/Well NEW WAVE ENERGY  
Name & No. ENR 1501625H  
County 30-015-505400  
API No. 30-015-505400  
Rig Name & No. INCIDENTAL WPP 2502160257  
AFE/PO No. \_\_\_\_\_

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)		OTHER EXEMPT E&P WASTE STREAMS		
Oil Based Muds	_____	<u>BILL'S DUMPS</u>		
Water Based Cuttings	_____			
Water Based Muds	_____			
Water Based Cuttings	_____			
Produced Formation Solids	_____			
Drill Bit Bottoms	_____	TOP SOIL & CALICHE SALES		
E&P Contaminated Soil	_____	QUANTITY	TOP SOIL	CALICHE
Gas Plant Waste	_____	INTERNAL USE ONLY		
Truck Washout (exempt waste) YES _____ NO _____		GATHERING LINES		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount \_\_\_\_\_  
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.  
\*please select from Non-Exempt Waste List on back

Non-Exempt Other \_\_\_\_\_ B - BARRELS L - LIQUID 20 Y - YARDS E - EACH

DISPOSAL QUANTITY \_\_\_\_\_

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☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

☐ EMERGENCY NON-OILFIELD Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

Brock Melander DATE \_\_\_\_\_ SIGNATURE \_\_\_\_\_  
(PRINT) AUTHORIZED AGENTS SIGNATURE

**TRANSPORTER**

Transporter's Name GUSTAVO RUIZ  
Address \_\_\_\_\_  
Phone No. 758  
Transporter Ticket # \_\_\_\_\_  
Driver's Name \_\_\_\_\_  
Print Name \_\_\_\_\_  
Phone No. \_\_\_\_\_  
Truck No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 3-26-25 DRIVER'S SIGNATURE \_\_\_\_\_ DELIVERY DATE 3-26-25 DRIVER'S SIGNATURE \_\_\_\_\_

**TRUCK TIME STAMP**

**DISPOSAL FACILITY**

**RECEIVING AREA**

IN: \_\_\_\_\_ OUT: \_\_\_\_\_ Name/No. 78

Site Name/Permit No. Halfway Facility / NM1-006  
Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220  
Phone No. 575-392-6368

NORM READINGS TAKEN? (Circle One) YES ☒ NO ☐  
PASS THE PAINT FILTER TEST? (Circle One) YES ☒ NO ☐

**TANK BOTTOMS**

Feet	Inches	BS&W/BBLs Received	Free Water	Total Received	BS&W (%)
1st Gauge	_____	_____	_____	_____	_____
2nd Gauge	_____	_____	_____	_____	_____
Received	_____	_____	_____	_____	_____

I hereby certify that the above load material has been (circle one): ACCEPTED 3/26/25 AD If denied, why? \_\_\_\_\_  
NAME (PRINT) \_\_\_\_\_ DATE \_\_\_\_\_ TITLE \_\_\_\_\_ SIGNATURE \_\_\_\_\_





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Brock Molander

Phone No. \_\_\_\_\_

## GENERATOR

NO. HW-717077

Generator Manifest # \_\_\_\_\_

Location of Origin  
Lease/WellEUR Fed #25H

Generator Name

New Wave Energy

Name &amp; No.

NAP 2502160732

Address

County

API No.

30-015-605900

City, State, Zip

Rig Name &amp; No.

Phone No.

AFE/PO No.

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	NON-INJECTABLE WATERS	_____	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings	_____	Washout Water (Non-Injectable)	_____	<u>Belly dump</u>
Water Based Muds	_____	Completion Fluid/Flow Back (Non-Injectable)	_____	
Water Based Cuttings	_____	Produced Water (Non-Injectable)	_____	
Produced Formation Solids	_____	Gathering Line Water/Waste (Non-Injectable)	_____	
Tank Bottoms	_____	INTERNAL USE ONLY	_____	TOP SOIL & CALICHE SALES
E&P Contaminated Soil	_____	Truck Washout (exempt waste)	YES _____ NO _____	QUANTITY _____ TOP SOIL _____ CALICHE _____
Gas Plant Waste	_____			

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY

B - BARRELS

L - LIQUID

20 Y - YARDS

E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's  
NameSemtex Mex

Driver's Name

Carmelia

Address

Print Name

Phone No.

Phone No.

Transporter Ticket # \_\_\_\_\_

Truck No.

02

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. \_\_\_\_\_

Site Name/  
Permit No.Halfway Facility / NM1-006

Phone No.

575-392-6368

Address

6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

PASS THE PAINT FILTER TEST? (Circle One)

YES

NO

## TANK BOTTOMS

1st Gauge  
2nd Gauge  
3rd Gauge

Feet

Inches

BS&amp;W/BBLs Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Mark Hobbs

Phone No. \_\_\_\_\_

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. **HW-737555**Generator Manifest # NM 602110254Location of Origin  
Lease/Well

Generator Name

Name &amp; No.

Address

County

API No.

City, State, Zip

Rig Name &amp; No.

Phone No.

AFE/PO No.

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow Back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	TOP SOIL & CALICHE SALES
E&P Contaminated Soil	Truck Washout (exempt waste)	YES NO QUANTITY TOP SOIL CALICHE
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

\*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY

B - BARRELS

L - LIQUID

Y - YARDS

E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's  
Name

Driver's Name

Address

Print Name

Phone No.

Phone No.

Transporter Ticket #

Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28Site Name/  
Permit No.**Halfway Facility / NM1-006**

Phone No.

**575-392-6368**

Address

**6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220**

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading &gt; 50 micro roentgens? (Circle One) YES NO

PASS THE PAINT FILTER TEST? (Circle One) YES NO

## TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

3rd Gauge

BS&amp;W/BBLs Received

BS&amp;W (%)

Free Water

Total Received

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Brock M. MaderPhone No. 201-319-5100

## GENERATOR

NO. **HW-739782**

Generator Manifest # New 112110

Generator Name \_\_\_\_\_

Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_

Phone No. \_\_\_\_\_

Location of Origin FNR FID #2RH

Lease/Well \_\_\_\_\_

Name & No. \_\_\_\_\_

County \_\_\_\_\_

API No. 10-015-502700

Rig Name & No. WADP 250 2160 2525

AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow Back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste	YES NO	QUANTITY TOP SOIL CALICHE

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Sam Tol 2010X

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Transporter Ticket # \_\_\_\_\_

Driver's Name Nobor Bonfigliore

Print Name \_\_\_\_\_

Phone No. \_\_\_\_\_

Truck No. 64

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28

Site Name/ Halfway Facility / NM1-006

Permit No. 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

Address \_\_\_\_\_

Phone No. 575-392-6368

NORM READINGS TAKEN? (Circle One) YES NO

PASS THE PAINT FILTER TEST? (Circle One) YES NO

If YES, was reading > 50 micro roentgens? (Circle One) YES NO

## TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
3rd Gauge		

BS&W/BBLs Received	BS&W (%)
Free Water	
Total Received	

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Brian W. WinklerPhone No. 505-341-5165

## GENERATOR

NO. **HW-743748**Generator Manifest # New WaveLocation of Origin  
Lease/WellFNR Ed # 204

Generator Name \_\_\_\_\_

Name &amp; No. \_\_\_\_\_

Address \_\_\_\_\_

County \_\_\_\_\_

API No. \_\_\_\_\_

City, State, Zip \_\_\_\_\_

Rig Name & No. 20-012 500 900

Phone No. \_\_\_\_\_

AFE/PO No. \_\_\_\_\_

EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds \_\_\_\_\_

Oil Based Cuttings \_\_\_\_\_

Water Based Muds \_\_\_\_\_

Water Based Cuttings \_\_\_\_\_

Produced Formation Solids \_\_\_\_\_

Tank Bottoms \_\_\_\_\_

E&amp;P Contaminated Soil \_\_\_\_\_

Gas Plant Waste \_\_\_\_\_

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable) \_\_\_\_\_

Completion Fluid/Flow Back (Non-Injectable) \_\_\_\_\_

Produced Water (Non-Injectable) \_\_\_\_\_

Gathering Line Water/Waste (Non-Injectable) \_\_\_\_\_

## INTERNAL USE ONLY

Truck Washout (exempt waste)

YES

NO

## OTHER EXEMPT E&amp;P WASTE STREAMS

## TOP SOIL &amp; CALICHE SALES

QUANTITY

TOP SOIL

CALICHE

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY

B - BARRELS

L - LIQUID

Y - YARDS

E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's  
NameSam Fox Mgr

Driver's Name

Nelson Rodriguez

Address

Print Name

Phone No.

Phone No.

Transporter Ticket #

Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28Site Name/  
Permit No.Halfway Facility / NM1-006

Phone No.

575-392-6368

Address

6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

PASS THE PAINT FILTER TEST? (Circle One)

YES

NO

## TANK BOTTOMS

Feet

Inches

Guage

Guage

Received

BS&amp;W/BBLs Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) \*REQUIRED INFORMATION\*

Company Man Contact Information

Name Brock MahoneyPhone No. 313-319-5125

## GENERATOR

NO. **HW-743747**Generator Manifest # New Waste FacilityLocation of Origin FNR Fed #28 H

Generator Name \_\_\_\_\_

Lease/Well \_\_\_\_\_

Address \_\_\_\_\_

Name &amp; No. \_\_\_\_\_

City, State, Zip \_\_\_\_\_

County \_\_\_\_\_

Phone No. \_\_\_\_\_

API No. 32-015-00500Rig Name & No. WARR 28A 2100 250

AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	NON-INJECTABLE WATERS	_____	OTHER EXEMPT E&P WASTE STREAMS	_____
Oil Based Cuttings	_____	Washout Water (Non-Injectable)	_____		
Water Based Muds	_____	Completion Fluid/Flow Back (Non-Injectable)	_____		
Water Based Cuttings	_____	Produced Water (Non-Injectable)	_____		
Produced Formation Solids	_____	Gathering Line Water/Waste (Non-Injectable)	_____		
Tank Bottoms	_____	INTERNAL USE ONLY	_____	TOP SOIL & CALICHE SALES	_____
E&P Contaminated Soil	_____	Truck Washout (exempt waste)	YES NO	QUANTITY	TOP SOIL CALICHE
Gas Plant Waste	_____				

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY

B - BARRELS

L - LIQUID

Y - YARDS

E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE \_\_\_\_\_

DATE \_\_\_\_\_

SIGNATURE \_\_\_\_\_

## TRANSPORTER

Transporter's Name \_\_\_\_\_

Driver's Name Nathan Rodriguez

Address \_\_\_\_\_

Print Name \_\_\_\_\_

Phone No. \_\_\_\_\_

Phone No. \_\_\_\_\_

Transporter Ticket # \_\_\_\_\_

Truck No. 64

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE 3-26-25

DRIVER'S SIGNATURE \_\_\_\_\_

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 08Site Name/  
Permit No. \_\_\_\_\_Halfway Facility / NM1-006Phone No. 575-392-6368

Address \_\_\_\_\_

6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

PASS THE PAINT FILTER TEST? (Circle One)

YES

NO

## TANK BOTTOMS

	Feet	Inches
1st Gauge	_____	_____
2nd Gauge	_____	_____
3rd Gauge	_____	_____

BS&W/BBLs Received	_____	BS&W (%)	_____
Free Water	_____		
Total Received	_____		

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? ADIR

NAME (PRINT) \_\_\_\_\_

DATE 3/26/25

TITLE \_\_\_\_\_

SIGNATURE AP





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Andrew W. WinklerPhone No. 781-39-3100

(PLEASE PRINT) \*REQUIRED INFORMATION\*

## GENERATOR

NO. **HW-743752**

Generator Manifest # HW-743752  
 Generator Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 City, State, Zip \_\_\_\_\_  
 Phone No. \_\_\_\_\_

Location of Origin SWR Pool to SWH  
 Lease/Well \_\_\_\_\_  
 Name & No. \_\_\_\_\_  
 County \_\_\_\_\_  
 API No. 500 DIS 505700  
 Rig Name & No. 15 HAD 250 2160 250 5  
 AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow Back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	TOP SOIL & CALICHE SALES
E&P Contaminated Soil	Truck Washout (exempt waste)	YES NO QUANTITY TOP SOIL CALICHE
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)
- ☐ EMERGENCY NON-OILFIELD Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENT'S SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name South Texas Driver's Name Andrew W. Winkler  
 Address \_\_\_\_\_ Print Name \_\_\_\_\_  
 Phone No. \_\_\_\_\_ Phone No. \_\_\_\_\_  
 Transporter Ticket # \_\_\_\_\_ Truck No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 28

Site Name/ Halfway Facility / NM1-006  
 Permit No. \_\_\_\_\_  
 Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-392-6368

NORM READINGS TAKEN? (Circle One) YES NO  
 PASS THE PAINT FILTER TEST? (Circle One) YES NO

If YES, was reading &gt; 50 micro roentgens? (Circle One) YES NO

## TANK BOTTOMS

Feet	Inches	BS&W/BBLs Received	BS&W (%)
1st Gauge		Free Water	
2nd Gauge		Total Received	
Received			

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? \_\_\_\_\_

NAME (PRINT)

DATE

TITLE

SIGNATURE





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Name Brook Molinski

Phone No. \_\_\_\_\_

## GENERATOR

NO. **HW-739460**Generator Manifest # New Wave EnergyLocation of Origin  
Lease/WellENR Ford F28H

Generator Name \_\_\_\_\_

Name &amp; No. \_\_\_\_\_

Address \_\_\_\_\_

County

Edm

City, State, Zip \_\_\_\_\_

API No.

30-015-505900

Phone No. \_\_\_\_\_

Rig Name &amp; No.

VAMP 2507160252

AFE/PO No. \_\_\_\_\_

EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	NON-INJECTABLE WATERS	_____	OTHER EXEMPT E&P WASTE STREAMS	_____
Oil Based Cuttings	_____	Washout Water (Non-Injectable)	_____		
Water Based Muds	_____	Completion Fluid/Flow Back (Non-Injectable)	_____		
Water Based Cuttings	_____	Produced Water (Non-Injectable)	_____		
Produced Formation Solids	_____	Gathering Line Water/Waste (Non-Injectable)	_____		
Tank Bottoms	_____	INTERNAL USE ONLY	_____	TOP SOIL & CALICHE SALES	_____
E&P Contaminated Soil	_____	Truck Washout (exempt waste)	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	QUANTITY	_____
Gas Plant Waste	_____			TOP SOIL	CALICHE

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY

B - BARRELS

L - LIQUID

20 (Y - YARDS)

E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's  
NameSenTex Mex

Driver's Name

Tom Curry

Address \_\_\_\_\_

Print Name

Tom Curry

Phone No. \_\_\_\_\_

Phone No.

3134995857

Transporter Ticket # \_\_\_\_\_

Truck No.

62

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

DISPOSAL FACILITY

RECEIVING AREA

Name/No. 28Site Name/  
Permit No.  
AddressHalfway Facility / NM1-0066601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

Phone No.

575-392-6368

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

PASS THE PAINT FILTER TEST? (Circle One)

YES

NO

## TANK BOTTOMS

1st Gauge  
2nd Gauge  
3rd Gauge

Feet

Inches

BS&amp;W/BBLs Received

BS&amp;W (%)

Free Water

Total Received

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE









## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name KEITH MURPHYPhone No. 938-392-5123

## GENERATOR

NO. **HW-743751**Generator Manifest # New Mexico EnergyLocation of Origin  
Lease/WellFNR F01 # 28 H

Generator Name

Name &amp; No.

Address

County

City, State, Zip

API No.

Phone No.

Rig Name &amp; No.

AFE/PO No.

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds		NON-INJECTABLE WATERS		OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings		Washout Water (Non-Injectable)		
Water Based Muds		Completion Fluid/Flow Back (Non-Injectable)		
Water Based Cuttings		Produced Water (Non-Injectable)		
Produced Formation Solids		Gathering Line Water/Waste (Non-Injectable)		
Tank Bottoms		INTERNAL USE ONLY		
E&P Contaminated Soil		Truck Washout (exempt waste)	YES NO	QUANTITY TOP SOIL CALICHE
Gas Plant Waste				

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

\*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY

B - BARRELS

L - LIQUID

Y - YARDS

E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's

Name

Driver's Name

Address

Print Name

Phone No.

Phone No.

Transporter Ticket #

Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 28

Site Name/

Permit No.

Address

Halfway Facility / NM1-006

Phone No.

575-392-63686601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

PASS THE PAINT FILTER TEST? (Circle One)

YES

NO

## TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&amp;W/BBLs Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Brock Molander

Phone No. \_\_\_\_\_

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. **HW-744384**Generator Manifest # New Wave EnergyLocation of Origin  
Lease/WellFWR F02#28H

Generator Name \_\_\_\_\_

Name &amp; No. \_\_\_\_\_

Address \_\_\_\_\_

County

Eddy

City, State, Zip \_\_\_\_\_

API No.

30-015-505900

Phone No. \_\_\_\_\_

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No.

WILLIAM NAPP 2502160252

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow Back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	TOP SOIL & CALICHE SALES
E&P Contaminated Soil	Truck Washout (exempt waste)	YES NO QUANTITY TOP SOIL CALICHE
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 20 (Y - YARDS) E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Sen Tex Mex

Driver's Name

Address \_\_\_\_\_

Print Name

Phone No. \_\_\_\_\_

Phone No.

Transporter Ticket # \_\_\_\_\_

Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 88Name/Address  
Permit No. Halfway Facility / NM1-006  
6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220Phone No. 575-392-6368

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading &gt; 50 micro roentgens? (Circle One) YES NO

PASS THE PAINT FILTER TEST? (Circle One) YES NO

## TANK BOTTOMS

Feet

Inches

Guage	
Guage	
Guage	

BS&W/BBLS Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - R360 ORIGINAL

Yellow - TRANSPORTER COPY

Pink - GENERATOR SITE COPY

Gold - RETURN TO GENERATOR





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Brock Mobley

Phone No. \_\_\_\_\_

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. **HW-744385**Generator Manifest # NEW Wave EnergyLocation of Origin ENR Fed 28 H

Generator Name \_\_\_\_\_

Lease/Well \_\_\_\_\_

Address \_\_\_\_\_

Name &amp; No. \_\_\_\_\_

City, State, Zip \_\_\_\_\_

County Edm

Phone No. \_\_\_\_\_

API No. 30-015-505900

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. MC-247 NAPP 2502160252

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	NON-INJECTABLE WATERS	_____	OTHER EXEMPT E&P WASTE STREAMS	_____
Oil Based Cuttings	_____	Washout Water (Non-Injectable)	_____		
Water Based Muds	_____	Completion Fluid/Flow Back (Non-Injectable)	_____		
Water Based Cuttings	_____	Produced Water (Non-Injectable)	_____		
Produced Formation Solids	_____	Gathering Line Water/Waste (Non-Injectable)	_____		
Tank Bottoms	_____	INTERNAL USE ONLY	_____	TOP SOIL & CALICHE SALES	_____
E&P Contaminated Soil	_____	Truck Washout (exempt waste)	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	QUANTITY	TOP SOIL CALICHE
Gas Plant Waste	_____				

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINESNON-EXEMPT E&P Waste/Service Identification and Amount  
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 20 (Y - YARDS) E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Sentex MexDriver's Name Joe L...

Address \_\_\_\_\_

Print Name Joe L...

Phone No. \_\_\_\_\_

Phone No. 3184995357

Transporter Ticket # \_\_\_\_\_

Truck No. 62

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 28Facility Name/Permit No. Halfway Facility / NM1-006Phone No. 575-392-6368Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220NORM READINGS TAKEN? (Circle One) YES ☐ NO ☒  
PASS THE PAINT FILTER TEST? (Circle One) YES ☐ NO ☒If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☐

## TANK BOTTOMS

Feet	Inches
Guage	_____
Guage	_____
Received	_____

BS&W/BBLS Received	_____	BS&W (%)	_____
Free Water	_____		
Total Received	_____		

I hereby certify that the above load material has been (circle one): ☒ ACCEPTED ☐ DENIED If denied, why? \_\_\_\_\_

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - R360 ORIGINAL

Yellow- TRANSPORTER COPY

Pink- GENERATOR SITE COPY

Gold- RETURN TO GENERATOR





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Richmond

Phone No. \_\_\_\_\_

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. **HW-739016**Generator Manifest # New Wave Energy

Generator Name \_\_\_\_\_

Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_

Phone No. \_\_\_\_\_

Location of Origin \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. FMR Fed 25 H

County \_\_\_\_\_

API No. 30-015-505900Rig Name & No. 9503140243

AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	NON-INJECTABLE WATERS	_____	OTHER EXEMPT E&P WASTE STREAMS	_____
Oil Based Cuttings	_____	Washout Water (Non-Injectable)	_____		
Water Based Muds	_____	Completion Fluid/Flow Back (Non-Injectable)	_____		
Water Based Cuttings	_____	Produced Water (Non-Injectable)	_____		
Produced Formation Solids	_____	Gathering Line Water/Waste (Non-Injectable)	_____		
Tank Bottoms	_____	INTERNAL USE ONLY	_____	TOP SOIL & CALICHE SALES	_____
E&P Contaminated Soil	<u>30</u>	Truck Washout (exempt waste)	YES _____ NO <u>YES</u>	QUANTITY	TOP SOIL _____ CALICHE _____
Gas Plant Waste	_____				

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 30 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Sam Tex More Trucking

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Transporter Ticket # \_\_\_\_\_

Driver's Name Peter

Print Name \_\_\_\_\_

Phone No. \_\_\_\_\_

Truck No. 102

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 280Facility Name/Permit No. Halfway Facility / NM1-006Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220Phone No. 575-392-6368NORM READINGS TAKEN? (Circle One) YES YES NO  
PASS THE PAINT FILTER TEST? (Circle One) YES YES NOIf YES, was reading > 50 micro roentgens? (Circle One) YES YES NO

## TANK BOTTOMS

Feet	Inches
Guage	_____
Guage	_____
Received	_____

BS&W/BBLs Received	_____	BS&W (%)	_____
Free Water	_____		
Total Received	_____		

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why? \_\_\_\_\_

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - R360 ORIGINAL

Yellow - TRANSPORTER COPY

Pink - GENERATOR SITE COPY

Gold - RETURN TO GENERATOR





TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT) \*REQUIRED INFORMATION\*

Name Bob Garcia

Phone No. \_\_\_\_\_

GENERATOR

NO. 261252

Operator No. \_\_\_\_\_  
Operators Name W. W. Energy  
Address \_\_\_\_\_  
City, State, Zip \_\_\_\_\_  
Phone No. \_\_\_\_\_

Permit/PPC No. \_\_\_\_\_  
Lease/Well Name & No. FNR Fed # EBH  
County DALLAS  
API No. 30-DIS-505900  
Rig Name & No. \_\_\_\_\_  
AFE/PO No. \_\_\_\_\_

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	NON-INJECTABLE WATERS	_____	OTHER EXEMPT WASTES (type and generation process of the waste)	_____
Oil Based Cuttings	_____	Washout Water (Non-Injectable)	_____		
Water Based Muds	_____	Completion Fluid/Flow Back (Non-Injectable)	_____		
Water Based Cuttings	_____	Produced Water (Non-Injectable)	_____		
Produced Formation Solids	_____	Gathering Line Water/Waste (Non-Injectable)	_____		
Tank Bottoms	_____	INTERNAL USE ONLY	_____		
E&P Contaminated Soil	_____	Truck Washout (exempt waste)	_____		
Gas Plant Waste	_____				

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCIP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other X \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS 20 Y-YARDS \_\_\_\_\_ E-EACH \_\_\_\_\_

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)  
☐ RCRA NON-EXEMPT: Oil field waste which is not hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)  
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below) \_\_\_\_\_

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name San Tex Mex  
Address \_\_\_\_\_  
Phone No. \_\_\_\_\_

Driver's Name Rene Garcia  
Phone No. \_\_\_\_\_  
Truck No. 66  
WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 3-25

DRIVER'S SIGNATURE Rene Garcia

DELIVERY DATE 3-25

DRIVER'S SIGNATURE Rene Garcia

TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

DISPOSAL FACILITY

RECEIVING AREA

Name/No. 28

Red Bluff Facility / STF-065  
5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One) YES NO NO

If YES, was reading > 50 micro roentgens? (Circle One) YES NO NO

NORM (mR/hr) \_\_\_\_\_

TANK BOTTOMS

Guage	Feet	Inches	BS&W Received	BS&W (%)
Guage			Free Water	
Received			Total Received	

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? \_\_\_\_\_

NAME (PRINT)

DATE

TITLE

SIGNATURE





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Brock Molander

Phone No. \_\_\_\_\_

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. **HW-739061**

Generator Manifest # \_\_\_\_\_

Location of Origin 250216 0242Generator Name North American Energy

Lease/Well

Name & No. FNR F-1 284

Address \_\_\_\_\_

County ESQ

City, State, Zip \_\_\_\_\_

API No. 70-000-504900

Phone No. \_\_\_\_\_

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	NON-INJECTABLE WATERS	_____	OTHER EXEMPT E&P WASTE STREAMS	_____
Oil Based Cuttings	_____	Washout Water (Non-Injectable)	_____		
Water Based Muds	_____	Completion Fluid/Flow Back (Non-Injectable)	_____		
Water Based Cuttings	_____	Produced Water (Non-Injectable)	_____		
Produced Formation Solids	_____	Gathering Line Water/Waste (Non-Injectable)	_____		
Tank Bottoms	_____	INTERNAL USE ONLY	_____	TOP SOIL & CALICHE SALES	_____
E&P Contaminated Soil	_____	Truck Washout (exempt waste)	YES _____ NO _____	QUANTITY	_____
Gas Plant Waste	_____			TOP SOIL	CALICHE

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 280 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Sam Tex MexDriver's Name SAULAddress Samuel TxPrint Name BRUCE A. MONTANEZ

Phone No. \_\_\_\_\_

Phone No. \_\_\_\_\_

Transporter Ticket # \_\_\_\_\_

Truck No. 11

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 3-27-25DRIVER'S SIGNATURE SAULDELIVERY DATE 3-27-25DRIVER'S SIGNATURE SAUL

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 28Name/  
Permit No.  
Address

## Halfway Facility / NM1-006

6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

Phone No.

575-392-6368

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

PASS THE PAINT FILTER TEST? (Circle One)

YES

NO

## TANK BOTTOMS

Feet

Inches

Guage	_____
Guage	_____
Received	_____

BS&W/BBLS Received	_____	BS&W (%)	_____
Free Water	_____		
Total Received	_____		

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - R360 ORIGINAL

Yellow- TRANSPORTER COPY

Pink- GENERATOR SITE COPY

Gold- RETURN TO GENERATOR



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Received by OGD: 6/25/2025 3:29:16 PM  
Released to Imaging: 8/6/2025 1:35:55 PM



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information  
Name Rene Morales  
Phone No. \_\_\_\_\_

(PLEASE PRINT) \*REQUIRED INFORMATION\*

<b>GENERATOR</b>		NO. <b>HW-739062</b>
Generator Manifest # _____	Location of Origin _____	
Generator Name <u>New Wave Energy</u>	Lease/Well Name & No. <u>FNR Fed #284</u>	
Address _____	County <u>Eddy</u>	
City, State, Zip _____	API No. <u>30-015-505900</u>	
Phone No. _____	Rig Name & No. _____	
	AFE/PO No. _____	

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)			
Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT E&P WASTE STREAMS	
Oil Based Cuttings	Washout Water (Non-Injectable)		
Water Based Muds	Completion Fluid/Flow Back (Non-Injectable)		
Water Based Cuttings	Produced Water (Non-Injectable)		
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)		
Tank Bottoms	INTERNAL USE ONLY	TOP SOIL & CALICHE SALES	
E&P Contaminated Soil	Truck Washout (exempt waste)	YES	NO
Gas Plant Waste		QUANTITY	20
WASTE GENERATION PROCESS:		TOP SOIL	CALICHE
<input type="checkbox"/> DRILLING	<input type="checkbox"/> COMPLETION	<input type="checkbox"/> PRODUCTION	<input type="checkbox"/> GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount	
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.	
Non-Exempt Other _____	*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY	B - BARRELS	L - LIQUID	Y - YARDS	E - EACH
-------------------	-------------	------------	-----------	----------

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

<input checked="" type="checkbox"/> RCRA EXEMPT:	Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)	
<input type="checkbox"/> RCRA NON-EXEMPT:	Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)	
<input type="checkbox"/> MSDS Information	<input type="checkbox"/> RCRA Hazardous Waste Analysis	<input type="checkbox"/> Other (Provide Description Below)
<input type="checkbox"/> EMERGENCY NON-OILFIELD	Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)	

(PRINT) AUTHORIZED AGENTS SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_ SIGNATURE \_\_\_\_\_

<b>TRANSPORTER</b>	
Transporter's Name <u>San Tex Mex</u>	Driver's Name <u>Eduardo Morales</u>
Address _____	Print Name <u>Eduardo Morales</u>
Phone No. _____	Phone No. _____
Transporter Ticket # _____	Truck No. <u>11</u>

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE <u>3-27-25</u>	DRIVER'S SIGNATURE <u>[Signature]</u>	DELIVERY DATE <u>3-27-25</u>	DRIVER'S SIGNATURE <u>[Signature]</u>
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TRUCK TIME STAMP	DISPOSAL FACILITY	RECEIVING AREA
IN: _____ OUT: _____	Name/No. _____	<u>19</u>

Site Name/Permit No. <u>Halfway Facility / NM1-006</u>	Phone No. <u>575-392-6368</u>
Address <u>6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220</u>	

NORM READINGS TAKEN? (Circle One)	YES	NO	If YES, was reading > 50 micro roentgens? (Circle One)	YES	NO
PASS THE PAINT FILTER TEST? (Circle One)	YES	NO			

TANK BOTTOMS	
Feet	Inches
1st Gauge	BS&W/BBLs Received
2nd Gauge	Free Water
3rd Gauge	Total Received
	BS&W (%)

I hereby certify that the above load material has been (circle one):		ACCEPTED	DENIED	If denied, why?
NAME (PRINT) <u>[Signature]</u>	DATE <u>[Signature]</u>	TITLE <u>[Signature]</u>	SIGNATURE <u>[Signature]</u>	





TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT) \*REQUIRED INFORMATION\*

Name Reed Montañez

Phone No. \_\_\_\_\_

GENERATOR

NO. 359408

Operator No. \_\_\_\_\_

Permit/RRC No. 2502160252

Operators Name New Wave Energy

Lease/Well Name & No. ENR FRI 28H

Address \_\_\_\_\_

County Eddy

City, State, Zip \_\_\_\_\_

API No. 30-015-505900

Phone No. \_\_\_\_\_

Rig Name & No. \_\_\_\_\_

AFE/PO No. \_\_\_\_\_

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	NON-INJECTABLE WATERS	_____	OTHER EXEMPT WASTES (type and generation process of the waste)	_____
Oil Based Cuttings	_____	Washout Water (Non-Injectable)	_____		
Water Based Muds	_____	Completion Fluid/Flow Back (Non-Injectable)	_____		
Water Based Cuttings	_____	Produced Water (Non-Injectable)	_____		
Produced Formation Solids	_____	Gathering Line Water/Waste (Non-Injectable)	_____		
Tank Bottoms	_____	INTERNAL USE ONLY	_____		
E&P Contaminated Soil	_____	Truck Washout (exempt waste)	_____		
Gas Plant Waste	_____				

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount  
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY \_\_\_\_\_ B-BARRELS 20 Y-YARDS \_\_\_\_\_ E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name Sam Tex MAX

Driver's Name ERNESTO MONTANEZ

Address Samaria TX

Phone No. \_\_\_\_\_

Phone No. \_\_\_\_\_

Truck No. 11

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

3-27-25 SHIPMENT DATE

[Signature] DRIVER'S SIGNATURE

3-27-25 DELIVERY DATE

[Signature] DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 28

Site Name/ Permit No. Red Bluff Facility / STF-065

Phone No. 432-448-4239

Address 5053 US Hwy 285, Orla, TX 79770

NORM READINGS TAKEN? (Circle One) YES ☐ NO ☒

If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☒  
NORM (mR/hr) \_\_\_\_\_

TANK BOTTOMS

	Feet	Inches
1st Gauge	_____	_____
2nd Gauge	_____	_____
3rd Gauge	_____	_____

BS&W Received	_____	BS&W (%)	_____
Free Water	_____		
Total Received	_____		

I hereby certify that the above load material has been (circle one): ACCEPTED ☒ DENIED ☐ If denied, why? \_\_\_\_\_

NAME (PRINT)

DATE

TITLE

SIGNATURE



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NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) \*REQUIRED INFORMATION\*

Company Man Contact Information  
Name Bob Malander  
Phone No. \_\_\_\_\_

GENERATOR

NO. **HW-739017**

Generator Manifest # \_\_\_\_\_  
Generator Name New Wave Energy  
Address Albuquerque  
City, State, Zip \_\_\_\_\_  
Phone No. \_\_\_\_\_

Location of Origin  
Lease/Well Name & No. FAR Fed 28H  
County \_\_\_\_\_  
API No. 30-015-505900  
Rig Name & No. 9502160952  
AFE/PO No. \_\_\_\_\_

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	NON-INJECTABLE WATERS	_____	OTHER EXEMPT E&P WASTE STREAMS	_____
Oil Based Cuttings	_____	Washout Water (Non-Injectable)	_____		
Water Based Muds	_____	Completion Fluid/Flow Back (Non-Injectable)	_____		
Water Based Cuttings	_____	Produced Water (Non-Injectable)	_____		
Produced Formation Solids	_____	Gathering Line Water/Waste (Non-Injectable)	_____		
Tank Bottoms	_____				
E&P Contaminated Soil	<u>90</u>	INTERNAL USE ONLY	_____	TOP SOIL & CALICHE SALES	_____
Gas Plant Waste	_____	Truck Washout (exempt waste)	YES _____ NO _____	QUANTITY	TOP SOIL _____ CALICHE _____

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount  
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 90 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)
- ☐ EMERGENCY NON-OILFIELD Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_ SIGNATURE \_\_\_\_\_

TRANSPORTER

Transporter's Name Sem Tex Mex Trucking  
Address \_\_\_\_\_  
Phone No. \_\_\_\_\_  
Transporter Ticket # \_\_\_\_\_

Driver's Name Peter  
Print Name \_\_\_\_\_  
Phone No. 31052  
Truck No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_ DRIVER'S SIGNATURE \_\_\_\_\_ DELIVERY DATE 8-25-25 DRIVER'S SIGNATURE Peter

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_ Name/No. \_\_\_\_\_

Site Name/  
Permit No. Halfway Facility / NM1-006  
Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-392-6368

NORM READINGS TAKEN? (Circle One) YES \_\_\_\_\_ NO \_\_\_\_\_ If YES, was reading > 50 micro roentgens? (Circle One) YES \_\_\_\_\_ NO \_\_\_\_\_  
PASS THE PAINT FILTER TEST? (Circle One) YES \_\_\_\_\_ NO \_\_\_\_\_

TANK BOTTOMS

Feet	Inches	BS&W/BBLs Received	BS&W (%)
Guage	_____	Free Water	_____
Guage	_____	Total Received	_____
Received	_____		

I hereby certify that the above load material has been (circle one): ACCEPTED \_\_\_\_\_ DENIED \_\_\_\_\_ If denied, why? \_\_\_\_\_

NAME (PRINT) \_\_\_\_\_ DATE \_\_\_\_\_ TITLE \_\_\_\_\_ SIGNATURE \_\_\_\_\_

Received by OGD: 6/25/2025 3:29:16 PM

Released to Imaging: 8/6/2025 1:35:55 PM



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Received by OGD 8/6/2025 3:29:16 PM



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information  
Name Mark Malander  
Phone No. \_\_\_\_\_

(PLEASE PRINT) \*REQUIRED INFORMATION\*

<b>GENERATOR</b>		NO. <b>HW-739018</b>
Generator Manifest # <u>New Wave Energy</u>	Location of Origin	
Generator Name _____	Lease/Well	
Address _____	Name & No. <u>ENR Fed 38H</u>	
City, State, Zip _____	County _____	
Phone No. _____	API No. <u>30-015 505900</u>	
	Rig Name & No. <u>2509120952</u>	
	AFE/PO No. _____	

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)			
Oil Based Muds _____	NON-INJECTABLE WATERS		OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings _____	Washout Water (Non-Injectable) _____		
Water Based Muds _____	Completion Fluid/Flow Back (Non-Injectable) _____		
Water Based Cuttings _____	Produced Water (Non-Injectable) _____		
Produced Formation Solids _____	Gathering Line Water/Waste (Non-Injectable) _____		<u>Belly Dump</u>
Tank Bottoms _____	INTERNAL USE ONLY		TOP SOIL & CALICHE SALES
E&P Contaminated Soil <u>30</u>	Truck Washout (exempt waste)	YES _____ NO _____	QUANTITY _____ TOP SOIL _____ CALICHE _____
Gas Plant Waste _____			
WASTE GENERATION PROCESS: <input type="checkbox"/> DRILLING <input type="checkbox"/> COMPLETION <input type="checkbox"/> PRODUCTION <input type="checkbox"/> GATHERING LINES			

NON-EXEMPT E&P Waste/Service Identification and Amount	
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.	
Non-Exempt Other _____	*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY	B - BARRELS	L - LIQUID	<u>30</u> Y - YARDS	E - EACH
-------------------	-------------	------------	---------------------	----------

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
  - ☐ MSDS Information
  - ☐ RCRA Hazardous Waste Analysis
  - ☐ Other (Provide Description Below)
- ☐ EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_ SIGNATURE \_\_\_\_\_

<b>TRANSPORTER</b>	
Transporter's Name <u>Sam Taylor Trucking</u>	Driver's Name <u>Peter</u>
Address _____	Print Name _____
Phone No. _____	Phone No. _____
Transporter Ticket # _____	Truck No. <u>102</u>

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_ DRIVER'S SIGNATURE \_\_\_\_\_ DELIVERY DATE 8/25/25 DRIVER'S SIGNATURE Robert Schinner

TRUCK TIME STAMP	DISPOSAL FACILITY	RECEIVING AREA
IN: _____ OUT: _____		Name/No. <u>28</u>

Site Name/ Permit No. <u>Halfway Facility / NM1-006</u>	Phone No. <u>575-392-6368</u>
Address <u>6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220</u>	

NORM READINGS TAKEN? (Circle One) YES <u>NO</u>	If YES, was reading > 50 micro roentgens? (Circle One) YES _____ NO _____
PASS THE PAINT FILTER TEST? (Circle One) YES <u>NO</u>	

TANK BOTTOMS			
Feet	Inches	BS&W/BBLS Received	BS&W (%)
Guage _____	_____	Free Water _____	_____
Guage _____	_____	Total Received _____	_____
Received _____	_____		

I hereby certify that the above load material has been (circle one):			
ACCEPTED <u>3/25/25</u>	DENIED <u>Am</u>	If denied, why? _____	
NAME (PRINT) <u>3/25/25</u>	DATE <u>3/25/25</u>	TITLE <u>Am</u>	SIGNATURE _____





NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) \*REQUIRED INFORMATION\*

Company Man Contact Information  
Name Black Mtn  
Phone No. \_\_\_\_\_

<b>GENERATOR</b>		NO. <b>HW-739056</b>
Generator Manifest # <u>None</u>	Location of Origin <u>ENR Fed # 284</u>	
Generator Name <u>None</u>	Lease/Well Name & No. _____	
Address _____	County _____	
	API No. <u>30015-505900</u>	
City, State, Zip _____	Rig Name & No. _____	
Phone No. _____	AFE/PO No. <u>NAPP 25021602-52</u>	

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)			
Oil Based Muds _____	NON-INJECTABLE WATERS		OTHER EXEMPT E&P WASTE STREAMS
Oil Based Cuttings _____	Washout Water (Non-Injectable) _____		
Water Based Muds _____	Completion Fluid/Flow Back (Non-Injectable) _____		
Water Based Cuttings _____	Produced Water (Non-Injectable) _____		
Produced Formation Solids _____	Gathering Line Water/Waste (Non-Injectable) _____		
Tank Bottoms _____	INTERNAL USE ONLY		TOP SOIL & CALICHE SALES
E&P Contaminated Soil _____	Truck Washout (exempt waste) YES _____ NO <u>(X)</u>	QUANTITY <u>20</u>	TOP SOIL _____ CALICHE _____
Gas Plant Waste _____			
WASTE GENERATION PROCESS: <input type="checkbox"/> DRILLING <input type="checkbox"/> COMPLETION <input checked="" type="checkbox"/> PRODUCTION <input type="checkbox"/> GATHERING LINES			

NON-EXEMPT E&P Waste/Service Identification and Amount	
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity	
Non-Exempt Other _____	*please select from Non-Exempt Waste List on back
DISPOSAL QUANTITY	B - BARRELS L - LIQUID <u>20</u> Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

☐ EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE _____	DATE _____	SIGNATURE _____
<b>TRANSPORTER</b>		
Transporter's Name <u>SanTex mcv</u>	Driver's Name <u>Kevin B...</u>	
Address _____	Print Name _____	
Phone No. _____	Phone No. <u>505-950-9819</u>	
Transporter Ticket # _____	Truck No. _____	

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 7-27-25 DRIVER'S SIGNATURE [Signature] DELIVERY DATE 7-27-25 DRIVER'S SIGNATURE [Signature]

TRUCK TIME STAMP	DISPOSAL FACILITY	RECEIVING AREA
IN: _____ OUT: _____	Name/No. <u>28</u>	

Site Name/Permit No. <u>Halfway Facility / NM1-006</u>	Phone No. <u>575-392-6368</u>
Address <u>6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220</u>	
NORM READINGS TAKEN? (Circle One) YES <u>(X)</u> NO	If YES, was reading > 50 micro roentgens? (Circle One) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES <u>(X)</u> NO	

<b>TANK BOTTOMS</b>			
Feet	Inches	BS&W/BBLs Received	BS&W (%)
_____	_____	Free Water	_____
_____	_____	Total Received	_____

I hereby certify that the above load material has been (circle one): ACCEPTED 3124175 DENIED \_\_\_\_\_ If denied, why? \_\_\_\_\_

NAME (PRINT) \_\_\_\_\_ DATE \_\_\_\_\_ TITLE \_\_\_\_\_ SIGNATURE \_\_\_\_\_





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Red BluffPhone No. 409-492-4239

## GENERATOR

NO. 359408

Operator No. \_\_\_\_\_  
 Operators Name Northstar Forms  
 Address \_\_\_\_\_  
 City, State, Zip \_\_\_\_\_  
 Phone No. \_\_\_\_\_

Permit/RRC No. 2502160252  
 Lease/Well \_\_\_\_\_  
 Name & No. END F-124  
 County Red  
 API No. 30-244-70590  
 Rig Name & No. \_\_\_\_\_  
 AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow Back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY \_\_\_\_\_ B-BARRELS 28 Y-YARDS \_\_\_\_\_ E-EACH \_\_\_\_\_

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Southstar MUD  
 Address 2001 N. Hwy 10  
 Phone No. \_\_\_\_\_  
 Driver's Name BRUNO MONTANEZ  
 Phone No. \_\_\_\_\_  
 Truck No. 11  
 WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. \_\_\_\_\_

Site Name/  
Permit No.Red Bluff Facility / STF-0655053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading > 50 micro roentgens? (Circle One) YES NO  
 NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

Guage	Feet	Inches	BS&W Received	BS&W (%)
Guage			Free Water	
Received			Total Received	

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE



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

QUESTIONS

Action 478946

**QUESTIONS**

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 478946
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

Prerequisites	
Incident ID (n#)	nAPP2502160252
Incident Name	NAPP2502160252 NEW WAVE FNR FRAC POND @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Plan Received

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	New Wave FNR Frac Pond
Date Release Discovered	01/07/2025
Surface Owner	Private

Incident Details	
<i>Please answer all the questions in this group.</i>	
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	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Human Error   Pipeline (Any)   Produced Water   Released: 23 BBL   Recovered: 0 BBL   Lost: 23 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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QUESTIONS, Page 2

Action 478946

**QUESTIONS (continued)**

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 478946
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

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

**Initial Response**

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

I hereby agree and sign off to the above statement	Name: Connor Walker Title: Senior Engineer Email: cwalker@mewbourne.com Date: 01/21/2025
--	---



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QUESTIONS, Page 3

Action 478946

**QUESTIONS (continued)**

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 478946
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

<b>Site Characterization</b>	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between 200 and 300 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 200 and 300 (ft.)
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	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 500 and 1000 (ft.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Zero feet, overlying, or within area
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

<b>Remediation Plan</b>	
<i>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.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
<b>Soil Contamination Sampling:</b> (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	1520
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>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>	
On what estimated date will the remediation commence	02/03/2025
On what date will (or did) the final sampling or liner inspection occur	03/27/2025
On what date will (or was) the remediation complete(d)	03/27/2025
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	8883
What is the estimated volume (in cubic yards) that will be remediated	1100
<i>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.</i>	
<i>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.</i>	



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QUESTIONS, Page 4

Action 478946

**QUESTIONS (continued)**

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 478946
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<i>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.</i>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	HALFWAY DISPOSAL AND LANDFILL [FEEM0112334510]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>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>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Connor Walker Title: Senior Engineer Email: cwalker@mewbourne.com Date: 06/25/2025
<i>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.</i>	



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QUESTIONS, Page 5

Action 478946

QUESTIONS (continued)

Operator:  MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID:  14744
	Action Number:  478946
	Action Type:  [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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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QUESTIONS, Page 6

Action 478946

**QUESTIONS (continued)**

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 478946
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	446346
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/31/2025
What was the (estimated) number of samples that were to be gathered	20
What was the sampling surface area in square feet	4000

**Remediation Closure Request**

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	No
--	----



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CONDITIONS

Action 478946

## CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 478946
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

## CONDITIONS

Created By	Condition	Condition Date
rhamlet	The remediation plan is conditionally approved. The release area will need confirmation floor/sidewall samples representing no more than 200 ft2. Due to the sensitive nature of the release location, the site will need to be remediated to the strictest closure criteria from Table 1 of the OCD Spill Rule. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. All sidewall samples should be taken from the sidewall of the excavation. Please make sure that the edge of the release extent is accurately defined. Sidewall/edge samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. If fluid reached tanks/equipment, sample up against tanks/equipment to ensure contaminants didn't go underneath. If the removal of contaminants under tanks/equipment could cause a major facility deconstruction, a formal deferral request will need to be submitted to the OCD Permitting Portal.	8/6/2025
rhamlet	All off-pad areas must meet reclamation standards in the OCD Spill Rule. The work will need to be completed in 90 days after the report has been reviewed.	8/6/2025