

July 11, 2023

New Mexico Oil Conservation Division

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

Re: Remediation Work Plan

EVGSAU 2437-001

Incident Number NAPP2303273838

Lea County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum) on behalf of Maverick Permian, LLC (Maverick), has prepared the following *Remediation Work Plan* (*Work Plan*) to document the site assessment and excavation activities completed to date and propose a work plan to address the historical impacted soil identified at the EVGSAU 2437-001 flow line release (Site). The following *Work Plan* proposes additional excavation of impacted soil and installation of a 20-mil impermeable liner in the floor of the excavation.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit P, Section 24, Township 17 South, Range 34 East, in Lea County, New Mexico (32.816832° N, -103.506018° W) and is associated with oil and gas exploration and production operations on New Mexico State Land.

On January 10, 2023, corrosion of a flow line resulted in the release of approximately 2.67 barrels (bbls) of crude oil and 6.23 bbls of produced water into the surrounding pasture. No fluids were recovered. The release occurred on the surface of a historical/reclaimed Phillips Petroleum well pad (API 30-025-27337). Maverick reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Release Notification Form C-141 (Form C-141) on January 19, 2023. The release was assigned Incident Number NAPP2303273838.

The NMSLO was notified of excavation and remediation activities required in the pasture on a Right of Entry Request for Remediation form, submitted to the NMSLO on March 17, 2023. The request included a copy of the Form C-141, a topographic location map, and a satellite image of the location. The Right of Entry (ROE) Permit (RE-6494) was fully executed by the NMSLO and received by Maverick on April 11, 2023. No additional cultural resource surveys were completed in connection with this release. A copy of the ROE Request for Remediation form and fully executed ROE Permit, are included in Appendix A.

SITE CHARATERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess applicability of Table 1, 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).

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants 3122 National Parks Highway | Carlsbad, New Mexico 88220 | ensolum.com

Results from the characterization desktop review are presented on page 3 of the Form C-141, Site Assessment/Characterization. Potential site receptors are identified on Figure 1.

Depth to groundwater at the Site is estimated to be between 51 and 100 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to groundwater data is United States Geologic Survey (USGS) Well 324854103301101, located approximately 925 feet southeast of the Site. The groundwater well has a reported depth to groundwater of 76.7 feet bgs and a total depth of 226 feet bgs. All wells used for depth to groundwater determination are depicted on Figure 1 and the referenced well records are included in Appendix B.

The closest continuously flowing or significant watercourse to the Site is a dry playa, located approximately 825 feet east 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 spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). The Site is less than 1,000 feet to a water well. Site receptors are identified on Figure 1.

Based on the results of the Site Characterization, the following NMOCD Table 1 Closure Criteria (Closure Criteria) apply:

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

SITE ASSESSMENT ACTIVITIES

On January 11, 2023, Ensolum personnel completed a Site visit to evaluate the release extent based on information provided on the Form C-141 and visual observations. Assessment soil samples SS01 through SS09 were collected within and around the release from a depth of approximately 0.5 feet bgs, to assess the extent of the release. The soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. The release extent and assessment soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation was completed during the Site visit and a photographic log is included in Appendix C.

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 at or below 4 degrees Celsius (°C) under strict chain-of-custody procedures to Cardinal Laboratories (Cardinal) in Carlsbad, New Mexico, for analysis of the following contaminants of concern (COC): 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 EPA Method 300.0.

Laboratory analytical results for assessment soil samples SS01 through SS05, collected within the release extent, indicated that BTEX, TPH, and chloride concentrations exceeded the Site Closure Criteria. Laboratory analytical results for assessment samples SS06 through SS09, collected around the release extent, indicated all COC concentrations were compliant with the most stringent Table I Closure Criteria, and successfully defined the lateral extent of the release. The laboratory analytical results are summarized on the attached Table 1.



Based on visible staining in the release area, elevated field screening results, and laboratory analytical results for assessment soil samples SS01 through SS05, delineation and excavation activities were warranted.

EXCAVATION AND DELINEATION ACTIVITIES

Between January 18, 2023, and May 8, 2023, Ensolum personnel were at the Site to oversee excavation activities based on visible staining in the release area and laboratory analytical results for the assessment soil samples SS01 through SS05. Excavation activities were performed using a backhoe and transport vehicles. To direct excavation activities, soil was field screened for VOCs and chloride using a PID and chloride Hach® chloride QuanTab® test strips, respectively. Field screening results were declining with excavation depth, as expected, until a depth of approximately 3 feet bgs. At a 3 feet bgs, field screening results increased and there were visible indications of a historical pit on the reclaimed Phillips Petroleum well pad (API 30-025-27337). Upon encountering the historical pit, vertical excavation was halted. The excavation proceeded laterally within the release extent until field screening results indicated that excavation sidewalls were compliant with the Site Closure Criteria.

Following lateral excavation of the impacted soil, 5-point composite soil samples were collected every 200 square feet from the sidewalls of the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples SW01 through SW04 were collected from the sidewalls of the excavation at depths ranging from the ground surface to 3 feet bgs. The excavation extent and soil sample locations were mapped utilizing a handheld GPS and are presented on Figure 2. Photographic documentation was completed during the excavation activities. A photographic log is included in Appendix C. The soil samples were collected, handled, and analyzed as described above.

The excavation measured approximately 5,000 square feet in areal extent. A total of approximately 600 cubic yards of impacted soil was excavated, transported, and properly disposed at R360 Environmental Solutions in Hobbs, New Mexico.

On June 16, 2023, Ensolum personnel returned to the Site to complete vertical delieation of the historical pit encountered in the floor of the open excavation. Potholes PH01 and PH02 were advanced via track mounted backhoe within the 3-foot deep excavation to depths of 11 feet and 7 feet bgs, respectively. Soil from the potholes was field screened at depths ranging from 4 feet to 11 feet bgs using a PID and chloride Hach® chloride QuanTab® test strips. Field screening results indicated elevated TPH and/or chloride concentrations in pothole PH01 at depths ranging from 4 feet to 10 feet bgs and in pothole PH02 at depths ranging from 4 feet to 6 feet bgs. Two delineation samples were submitted for laboratory analysis from each pothole (PH01A/PH01G and PH02A/PH02D) from depths ranging from 4 feet to 10 feet bgs. Field screening results and observations from the potholes were documented on lithologic/soil sampling logs, which are included in Appendix C. The pothole locations are presented on Figure 2.

Laboratory analytical results for excavation sidewall samples SW01 through SW04 indicated all COC concentrations were compliant with the Site Closure Criteria. Laboratory analytical results for pothole delineation samples PH01A and PH02A, collected at a depth of 4 feet bgs, indicated that TPH and/or chloride concentrations exceeded the Site Closure Criteria within the historical pit. Laboratory analytical results for pothole delineation samples PH01G and PH02D, collected at depths of 10 feet and 7 feet bgs, respectively, indicated all COC concentrations were compliant with the Site Closure Criteria and provided vertical delineation of impacted soil within the historical pit. The laboratory analytical results are summarized on the attached Table 1 and the complete laboratory analytical reports are included in Appendix D.



PROPOSED REMEDIATION WORK PLAN

Maverick excavated approximately 600 cubic yards of impacted soil associated with the January 10, 2023, flow line release. However, historical impacts associated with a buried historical pit on the reclaimed Phillips Petroleum well pad were encountered in the floor of the excavation. Analytical results from the delineation soil sampling indicated soil containing elevated TPH and/or chloride concentrations is present across the 5,000 square foot excavation area and extends from a depth of 3 feet bgs to a maximum depth of 10 feet bgs. The impacted soil below 3 feet bgs is associated with a historical pit containing large pieces of concrete and has a discernable visible difference between the recent release and historical impacts (photos 3 and 4). Maverick is not responsible for remediation of historical impacts on another Operators well pad; however, in order to be protective of the environment, Maverick proposes excavation of the top four feet of soil within the release footprint and installation of a liner in the floor of the open excavation to mitigate further impacts to the subsurface.

Maverick requests approval to complete the following remediation activities:

- Removal of an additional 1-foot of impacted soil from the floor of the excavation, resulting in a final excavation depth of 4 feet bgs.
- An additional estimated 185 cubic yards of impacted soil will be excavated and disposed of at a licensed disposal facility.
- Upon completion of excavation activities, a 20-mil impermeable liner will be installed over the historical pit to mitigate further impacts to the subsurface. The liner will be installed at 4 feet bgs within the open excavation.
- The excavation will be backfilled and recontoured to match pre-existing conditions. The disturbed pasture will be re-seeded with an approved seed mixture. A Reclamation Plan for the disturbed pasture area is included in Appendix F for NMSLO review.

Maverick will complete the excavation and liner installation activities within 90 days of the date of approval of this *Work Plan* by the NMOCD Notifications are included in Appendix G and the Form C-141 is included in Appendix H.

If you have any questions or comments, please contact please contact Ms. Kalei Jennings at (817) 683-2503 or kjennings@ensolum.com.

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

Kalei Jennings Senior Scientist

Kalui Jennings

Aimee Cole Senior Managing Scientist

cc: Bryce Wagoner, Maverick Permian, LLC

New Mexico State Land Office

Appendices:

Figure 1 Site Receptor Map

Figure 2 Excavation and Delineation Soil Sample Locations

Table 1 Soil Sample Analytical Results

Appendix A ROE Request for Remediation Form and ROE Permit

Appendix B Referenced Well Records

Appendix C Photographic Log

Appendix D Lithologic Soil Sampling Logs

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

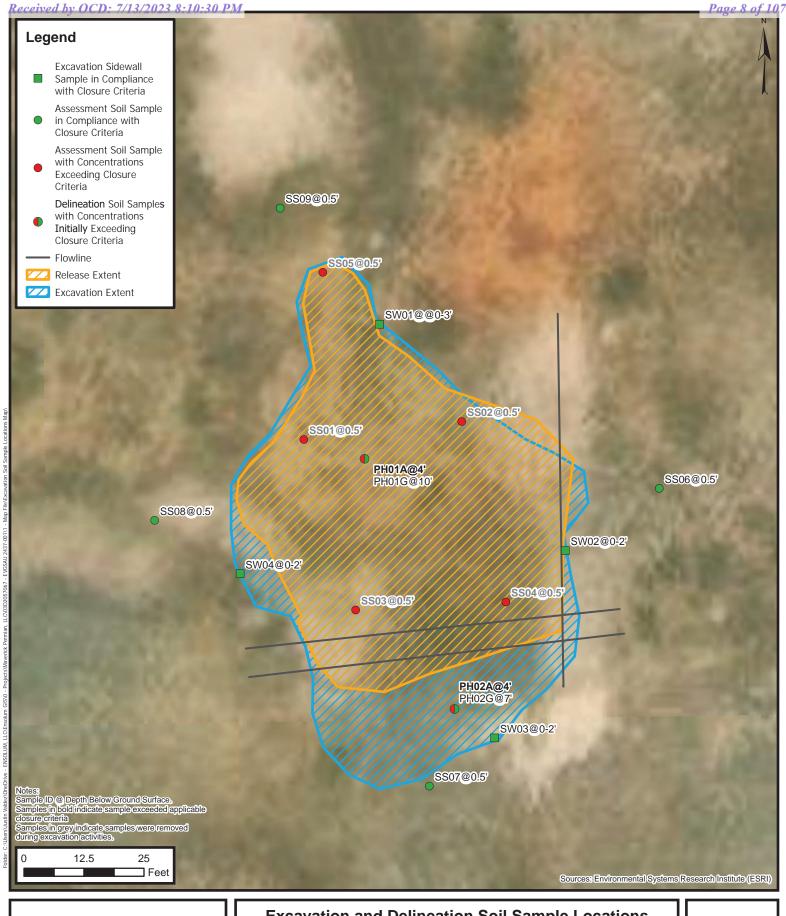
Appendix F NMSLO Reclamation Plan Appendix G NMOCD Notifications

Appendix H Final C-141



FIGURES

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Excavation and Delineation Soil Sample Locations

Maverick Permian, LLC EVGSAU 2437-001 Incident Number: NAPP2303273838 Unit P, Sec 24, T17S, R34E Lea County, New Mexico

FIGURE 2



TABLES



TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS EVGSAU 2437-001 Maverick Permian, LLC Lea County, New Mexico

Lea County, New Mexico											
- I I I I I I I I I I I I I I I I I I I		Depth (feet bgs)			TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)			
NMOCD Table I	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	100	600		
				Assessment	Soil Samples						
SS01	01/11/2023	0.5	12.7	297	4,660	32,100	4,570	41,330	10,200		
SS02	01/11/2023	0.5	9.37	289	3,960	31,900	4,320	40,180	8,290		
SS03	01/11/2023	0.5	38.4	451	3,390	12,000	1,730	17,120	13,400		
SS04	01/11/2023	0.5	9.62	260	2,190	17,600	2,350	22,140	13,600		
SS05	01/11/2023	0.5	0.152	0.825	7,210	<49.9	<49.9	7,210	49.1		
SS06	01/11/2023	0.5	<0.0495	0.528	<50.0	50.1	<50.0	50.1	64.1		
SS07	01/11/2023	0.5	<0.0497	<0.0994	<50.0	<50.0	<50.0	<50.0	347		
SS08	01/11/2023	0.5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	234		
SS09	06/01/2023	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	48.0		
				Excavation	Soil Samples						
SW01	06/05/2023	0-3	<0.050	0.300	<10.0	<10.0	<10.0	<10.0	80.0		
SW02	06/05/2023	0-2	<0.050	0.300	<10.0	<10.0	<10.0	<10.0	64.0		
SW03	06/05/2023	0-2	< 0.050	0.300	<10.0	<10.0	<10.0	<10.0	80.0		
SW04	06/14/2023	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	48.0		
				Delineation S	Soil Samples						
PH01A	06/16/2023	4	<0.100	40.2	1,320	10,900	1,770	13,990	17,200		
PH01G	06/16/2023	10	<0.050	<0.300	<10.0	<10.0	12.8	12.8	160		
PH02A	06/16/2023	4	<0.050	3.87	44.3	399	57.2	501	1,230		
PH02D	06/16/2023	7	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	400		

Notes:

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

NMOCD: New Mexico Oil Conservation Division BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes TPH: Total Petroleum Hydrocarbon

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

Grey text represents samples that have been excavated

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



APPENDIX A
ROE Request for Remediation Form
and ROE Permit

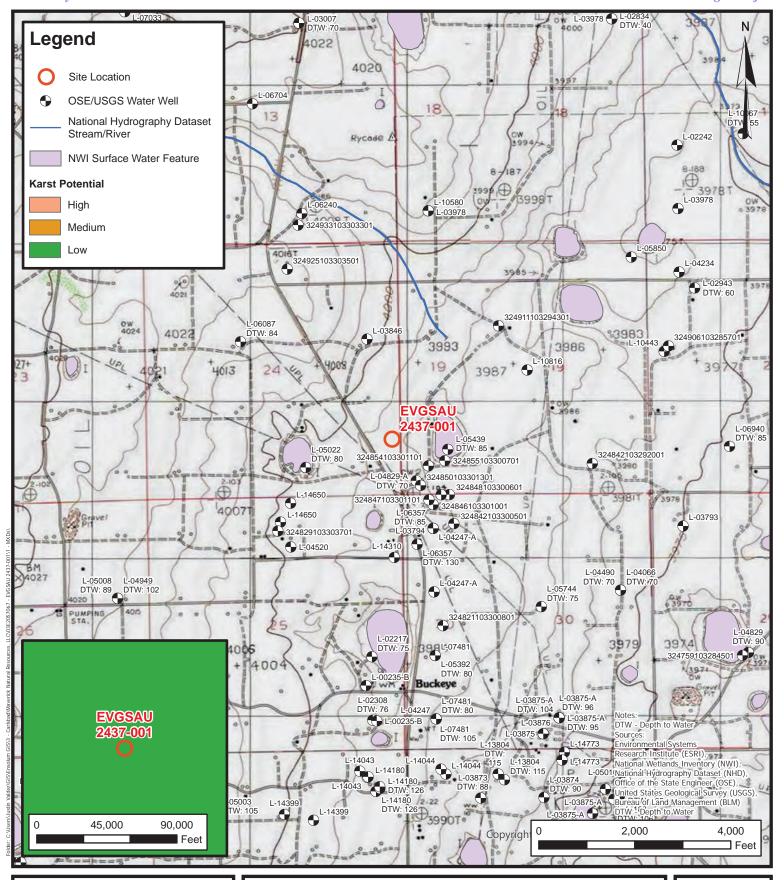


Stephanie Garcia Richard Commissioner of Public Lands

RIGHT OF ENTRY REQUEST FOR REMEDIATION

Company Nam	e Maverick Natural Resources, LLC
Address	1410 NW County Rd
City, State, Zip	Hobbs, NM 88240
Contact Person	Bryce Wagoner
Telephone #:	(928) 241-1862
Email:	Bryce.Wagoner@mavresources.com
D C	4. Demonstrate and district and increased by a release of small of an element of small or district and small o
	Request to remediate soil impacted by a release of crude oil and produced water will be excavated and transported to a licensed disposal facility. All remediation activities
	OCD spill rules (19.15.29 NMAC). We expect to complete activities within 3 weeks.
will comply with the	obb opin raice (15.16.25 rain 16). The expect to complete activities within a wester.
Section 24	Township 17S Range 34E Unit Letter P
Qtr/Qtr SE/SE	County_Lea
GPS Location (decimal degrees): Latitude 32.81668 W Longitude -103.50599 N
If this is a reme	diation for a spill please attach a copy of the OCD C-141 form.
Is the complete	d C-141 attached? Yes ■ No □
Square footage	of spill impacted surface: 4,162 sq. ft.
Estimated squa	re footage of total disturbance: 63,275 sq. ft.
	an (attach addl. sheet if necessary) Maverick will backfill the excavation with clean g purchased topsoil for the upper 4 ft, if the excavation reaches that depth.
	will be contoured to match natural surroundings and seeded with an approved BLM seed mixture.
From intersection of	ons from nearest state highway or road (attach a map of the location): CR-50 (Buckeye Rd) and NM-238 N, head North on NM-238 N and continue for 0.72 miles. Turn
right onto unnamed	access road and continue for 0.32 miles. Turn left and follow to Site approximately 0.14 miles.
Lease number a	associated with the ROE request: _B014040008
Well Name and	/or Operator (if applicable): EVGSAU 2437-001
Time expected	to complete remediation: 3 weeks
Personnel prese	ent on State Land crew and environmental oversight
Equipment & n	naterials present on State Land Yes; backhoe or trackhoe and loader
\$50.00 applica	tion fee and \$500.00 permit amount (based on 180 days) renewable for up to 3 yrs.
	The Commissioner of Public Lands P. O. Box 1148 Santa Fe, NM 87504-1148

^{*} When you provide a check as payment, you authorize the State of New Mexico to either use information from your check to make a one-time electronic fund transfer from your account or to process the payment as a check transaction.



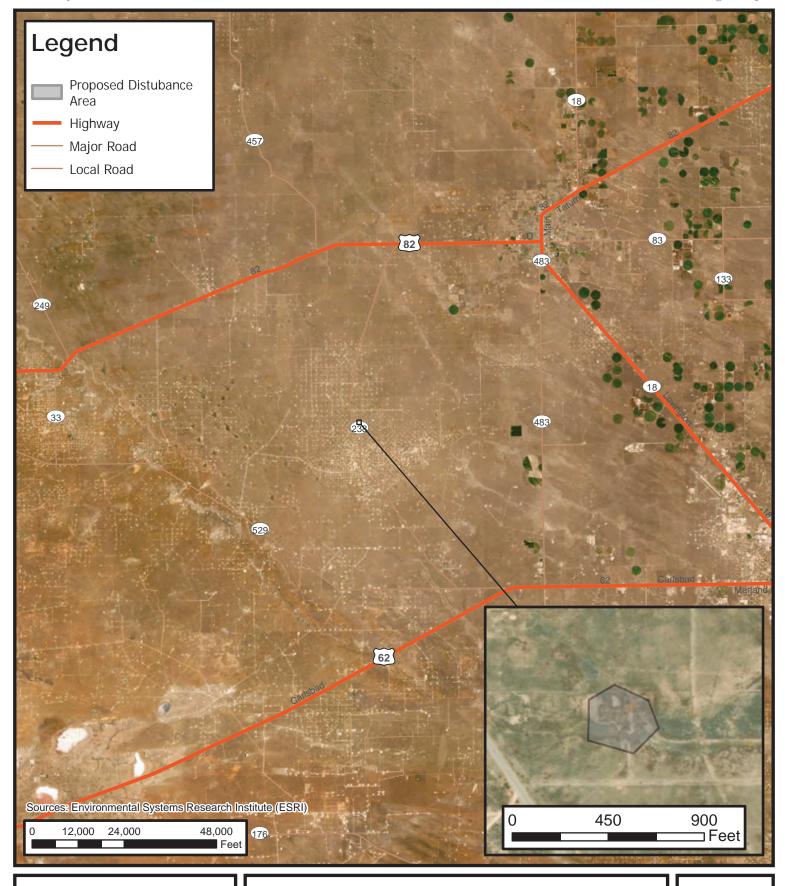


Site Receptor Map

Maverick Permian, LLC EVGSAU 2437-001 Incident ID: NAPP2303273838 SESE, Sec 24, T17S, R34E Lea County, New Mexico

2303273838 I7S. R34F 1

FIGURE





Right of Entry Site Map

Maverick Permian, LLC EVGSAU 2437-001 Incident ID: NAPP2303273838 SESE, Sec 24, T17S, R34E Lea County, New Mexico FIGURE 2



State of New Mexico Commissioner of Public Lands

310 OLD SANTA FE TRAIL P.O. BOX 1148 SANTA FE, NEW MEXICO 87504-1148 COMMISSIONER'S OFFICE Phone (505) 827-5760 Fax (505) 827-5766 www.nmstatelands.org

COMMISSIONER

Stephanie Garcia Richard

April 11, 2023

Maverick Natural Resources, LLC 1410 NW County Rd Hobbs, NM 88240

Attn: BryceWagoner

Re: Right-of-Entry Permit No.: RE-6494/EVGSAU 2437-01

Dear Applicant:

Enclosed is the completed captioned Right-of-Entry permit. If any corrections are necessary, please let us know and we will retype or amend this permit as necessary.

The New Mexico State Land Office requires you to notify any surface lessees that will be impacted by your project prior to construction.

If you have any questions, or if we may be of further assistance, please do not hesitate to contact Amy Velazquez of my staff at (505) 827-5789.

Sincerely,

James S. Bordegaray

Director, Commercial Resources Division

JSB/alv



NEW MEXICO STATE LAND OFFICE

Commissioner of Public Lands Stephanie Garcia Richard New Mexico State Land Office Building P.O. Box 1148, Santa Fe, NM 87504-1148

RIGHT OF ENTRY PERMIT CONTRACT NO. RE – 6494

This Agreement is made and entered into between the COMMISSIONER OF PUBLIC LANDS (the "Commissioner") and

Maverick Natural Resources, LLC 1410 NW County Rd Hobbs, NM 88240

("Permittee"). The parties agree as follows:

1. RIGHT OF ENTRY ("ROE")

The Commissioner grants to Permittee, and its authorized representatives, employees, and contractors, permission to use the state trust lands identified below (the "Premises"), and ingress and egress to the Premises, for the sole purposes of (1) surveying/conducting an environmental investigation on the site of a produced water and crude oil spill (the "Premises"), <u>EVGSAU 2437-001</u>, Incident No. nAPP2303273838, and (2) conducting surface reclamation activities, including removal of equipment and debris, and any required remediation per 19.2.100.67 NMAC.

The Premises is situated in the following location in **Lea County**, New Mexico:

Section	Township	Range	Subdivision	County	Longitude/Latitude
24	17S	34E	SE4SE4	Lea	32.81668,-103.50599

2. TERM AND TERMINATION

Right of entry is granted for a term of 180 days, commencing on the execution date of this document by the Commissioner of Public Lands.

3. FEES

\$ 50.00 Application Fee \$ 500.00 Permit Fee \$ 550.00 Total Fee

Page 1 of 3

RE-6494

4. CONDITIONS OF USE

- A. The issuance of this ROE does not guarantee that any subsequent lease, permit or any other instrument will be issued to Permittee for the Premises.
- B. No blading or widening of any roads that provide access to the Premises is permitted under this ROE.
- C. No sale of any material extracted from the Premises is allowed under this ROE.
- D. Permittee shall observe all applicable federal, state and local laws and regulations.
- E. Permittee shall take all reasonable precautions to prevent and suppress forest, brush and grass fires and prevent pollution of waters on or in the vicinity of the Premises.
- F. Permittee shall not block or disrupt roads or trails commonly in use.
- G. This ROE is subject to any and all easements and rights-of-way previously granted and now in force and affect.
- H. Permittee shall be responsible for repair and restitution for damage to any Premises or improvements as a result of activities related to this ROE.
- I. Prior to entering the Premises, Permittee must identify and contact any existing surface lessees. The grant of this ROE does not allow access across private lands.
- J. Permittee may utilize this ROE upon its execution for inspection of the Premises and to conduct any necessary tests or inspections. Permittee may not conduct remediation or reclamation work until it has submitted a written plan for such work, and received State Land Office approval.
- K. Personnel present on State Land: Maverick Natural Resources personnel and contractors.
- L. Equipment and materials present on State Land: Heavy equipment, trucks, and associated materials.

5. SITE CONDITIONS

- A. No surface disturbance, other than soil sampling, except as described in a reclamation plan submitted to and approved by the State Land Office.
- B. Access to the Premises shall be over existing roads.
- C. The natural environmental conditions that exist contemporaneously with this grant of ROE shall be preserved and protected. Permittee must follow all applicable environmental and cultural resource protection laws and regulations.

6. INDEMNITY

Permittee shall save, hold harmless, indemnify and defend the State of New Mexico, the Commissioner and Commissioner's employees, agents and contractors, in both their official and individual capacities, from any and all liability, claims, losses, damages, or expenses of any character or nature whatsoever, including but not limited to attorney's fees, court costs, loss of land value or use, third party claims, penalties, or removal, remedial or restoration costs arising out of, or alleged to arise out of Permittee's operations or presence on the Premises (or operations or presence of his representatives, employees, or contractors).

7. SURVIVAL OF TERMS

Permittee's obligations regarding indemnity, site conditions, and compliance with applicable standards and laws, shall survive the termination, cancellation or relinquishment of this Agreement, and any cause of action of the Commissioner to enforce any right, liability, claim, loss, damage or expense under those paragraphs shall not be deemed to accrue until the Commissioner's actual discovery of said right, liability, claim, loss, damage or expense.

8. NOTIFICATION

Permittee must notify the State Land Office immediately in the event Permittee or his representatives, employees, or contractors observe any spill, fire, or other emergency on the Premises, or if Permittee or his representatives, employees, or contractors experience any serious injury while on the Premises.

WITNESS	the hands	of PERMITTE	EE and CO	MMISSIONE	R on the	day(s) and	d year	entered
below.								

PERMITTEE SIGNATURE	DATE: 4/10/23	
Bryce Wagoner		
HSE Specialist		
PERMITTEE NAME AND TITLE (PRIN	Γ)	

SEAL:

Y: Thum () air Ille) ()

Stephanie Garcia Richard Commissioner of Public Lands

DATE: 04/11/2013



APPENDIX B

Referenced Well Records



New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag **POD Number**

Q64 Q16 Q4 Sec Tws Rng 3 19 17S 35E

L 04829 POD7

640012 3631688*

Driller License: 99

Driller Company:

O.R. MUSSELWHITE WATER WELL SE

Driller Name:

MUSSELWHITE, O.R. (LD)

Drill Start Date: 03/25/1968

Drill Finish Date:

03/30/1968

Plug Date:

Log File Date:

04/04/1968

PCW Rcv Date:

Depth Well:

06/24/1968

210 feet

Source:

Shallow

Pump Type: Casing Size: **SUBMER**

10.75

Pipe Discharge Size:

200

Estimated Yield: Depth Water:

70 feet

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

1/17/23 9:00 AM

POINT OF DIVERSION SUMMARY

Received by OCD: 7/13/2023 8:10:30 PM

^{*}UTM location was derived from PLSS - see Help

National Water Information System: Web Interface

USGS Water Resources

USGS Home Contact USGS Search USGS

Data Category: Groundwater

United States



Received by OCD: 7/13/2023 8:10:30 PM

Click to hideNews Bulletins

• See the Water Data for the Nation Blog for the latest news and updates.

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs site_no list =

• 324854103301101

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 324854103301101 17S.35E.19.3332231

Lea County, New Mexico Latitude 32°48'54", Longitude 103°30'11" NAD27 Land-surface elevation 3,992.5 feet above NGVD29 The depth of the well is 226 feet below land surface. The depth of the hole is 226 feet below land surface. This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer. This well is completed in the Ogallala Formation (1210GLL) local aquifer.

Output formats	5
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- aspat iotimate	
ble of data	
b-separated data	
aph of data	
select period	

Date Time	? Water- level date- time accuracy	? Para code	ameter e	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water- level approval status
1980-09-30		D	62610		3915.84	NGVD29	1		5		Α
1980-09-30		D	62611		3917.35	NAVD88	1	;	5		А
1980-09-30		D	72019	76.66			1	:	5		А

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	Α	Approved for publication Processing and review completed.

Questions about sites/data? Feedback on this web site Automated retrievals <u>Help</u> Data Tips Explanation of terms
Subscribe for system changes <u>News</u>

Accessibility

FOIA

Privacy

Policies and Notices

<u>U.S. Department of the Interior</u> | <u>U.S. Geological Survey</u> **Title: Groundwater for USA: Water Levels**

URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u>



Received by OCD: 7/13/2023 8:10:30 PM

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APPENDIX C

Photographic Log



Photographic Log Maverick Natural Resources, LLC EVGSAU 2437-001 NAPP2303273838



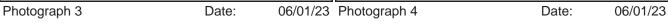


Photograph 1 Date: 01/11/23 Photograph 2 Date: 06/01/23

Description: Soil staining in release footprint Description: Excavation activities

View: Northeast View: Northwest





Description: Historical pit Description: Historical pit



Photographic Log Maverick Natural Resources, LLC EVGSAU 2437-001 NAPP2303273838





Photograph 1 Description: Excavation activities

06/01/23 Photograph 2

Date:

06/01/23

Description: Excavation activities





Date:

06/14/23 Photograph 4

Date:

06/14/23

Description: Excavation activities



APPENDIX D

Lithologic Soil Sampling Logs

								Sample Name: PH01	Date: 06/16/2023	
	7		NI	C	OL		MA	Site Name: EVGSAU-2437		
			N	9	U	- 0	IVI	Incident Number: NAPP23032738	338	
						Job Number: : 03D2057067				
	I	LITHOL	OGIO	C / SOIL S	AMPLING	Logged By: Julianna Falcomata	Method: Track hoe			
32.83	16859, -10	3.506102	1					Hole Diameter: -	Total Depth: 11'	
								PID for chloride and vapor, respect actors included.	ively. Chloride test	
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	scriptions	
D					I - - -	 - - 1 -				
D					- - -	- - 2 -				
D					- - -	- - 3 -				
D	10,236	1,339	Υ	PH01A	4 -	- - 4 -	SW	SAND: fine to medium grain medium sized gravel, poorl stained, strong hydrocarbo	y graded, heavily	
D	7,392	1,653	Υ	PH02B	- - -	- - 5 -	SW	SAA		
D	4,944	1,507	Υ	PH02C	- - -	- - 6 -	GM	GRAVEL: medium to fine gr of silty sand, poorly graded strong hydrocarbon odor.	l, heavily stained,	
D	6,300	1,119	Υ	PH02D	- - -	- - 7 -	GM	GRAVEL: medium to fine gr silty sand, poorly graded, h hydrocarbon odor.		
D	6,820	505	N	PH02E	- -	- - 8 -	GM	SAA		
D	5,812	64.5	N	PH02F	- - - -	- - - 9 -	GM	GRAVEL: medium to fine gr silty sand, poorly graded, h hydrocarbon odor.	·	
D	2,934	36.7	N	PH02G	- -	- 10 -	GM	SAA		
D	246	1.9	N	PH02H	11 -	- 11 -	GM	GRAVEL: medium to fine gr silty sand, poorly graded, n		
					- - -	- - -		TD reached @ 11' bgs		

						Sample Name: PH02	Date: 06/16/2023		
1		NI C	0 1	-		Site Name: EVGSAU-2437	Date: 00/10/2023		
		NS	U	U	V	Incident Number: NAPP23032738	38		
		-				Job Number: : 03D2057067			
	LITUO	.OGIC / SOII	CANADIANO	106		1			
22.04.6745 4			SAIVIPLING	LUG		Logged By: Julianna Falcomata	Total Depth: 7'		
32.816715, -1			:+hA.C.I.I.C.h.l	autala Taat Ci		Hole Diameter: -			
		-				PID for chloride and vapor, respecti actors included.	ively. Chloride test		
Moisture Content Chloride	Vapor (ppm)	Staining Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
D 1,360 D 2,374 D 1,080 D 420	21.3			L - 1 - 2 - 3 - 4 - 5 - 6 - 7	SW SM GM	SAND: fine to medium grain medium sized gravel, poorly stained, strong hydrocrbon SAA GRAVEL: medium to fine graof silty sand, poorly graded, odor. GRAVEL: medium to fine grasilty sand, poorly graded, not silty sand, poorly graded, poorly graded, poorly graded, poorly graded, poorly graded, not silty sand, poorly graded, p	y graded, heavily ordor. ained, trace amounts, slight hydrocarbon		



APPENDIX E

Laboratory Analytical Reports & Chain of Custody Documentation



June 07, 2023

KALEI JENNINGS
ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD, NM 88220

RE: EVGSAU 2437 - 001

Enclosed are the results of analyses for samples received by the laboratory on 06/02/23 13:30.

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

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 06/02/2023
Reported: 06/07/2023
Project Name: EVGSAU 2437 - 001

Project Name: EVGSAU 2437 - 001 Project Number: 03D2057067

Project Location: 32.81668-103.50599

Sampling Date: 06/01/2023

Sampling Type: Soil

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

Sample ID: SS 05 A 1' (H232809-01)

DTEV 0021D

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/05/2023	ND	1.90	94.8	2.00	4.10	
Toluene*	<0.050	0.050	06/05/2023	ND	1.98	98.9	2.00	2.24	
Ethylbenzene*	<0.050	0.050	06/05/2023	ND	1.88	93.8	2.00	3.25	
Total Xylenes*	<0.150	0.150	06/05/2023	ND	5.83	97.2	6.00	2.66	
Total BTEX	<0.300	0.300	06/05/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	06/05/2023	ND	416	104	400	7.41	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2023	ND	158	79.1	200	0.728	
DRO >C10-C28*	<10.0	10.0	06/05/2023	ND	152	75.8	200	7.04	
EXT DRO >C28-C36	<10.0	10.0	06/05/2023	ND					
Surrogate: 1-Chlorooctane	67.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	66.0	% 49.1-14	8						

Applyand By 1H /

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received: 06/02/2023 Reported: 06/07/2023

Project Name: EVGSAU 2437 - 001 Project Number: 03D2057067

Project Location: 32.81668-103.50599 Sampling Date: 06/01/2023

Sampling Type: Soil

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

Sample ID: SS 06 0.5' (H232809-02)

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	06/05/2023	ND	1.90	94.8	2.00	4.10	
Toluene*	<0.050	0.050	06/05/2023	ND	1.98	98.9	2.00	2.24	
Ethylbenzene*	<0.050	0.050	06/05/2023	ND	1.88	93.8	2.00	3.25	
Total Xylenes*	<0.150	0.150	06/05/2023	ND	5.83	97.2	6.00	2.66	
Total BTEX	<0.300	0.300	06/05/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/05/2023	ND	416	104	400	7.41	
TPH 8015M	mg/	/kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2023	ND	158	79.1	200	0.728	
DRO >C10-C28*	<10.0	10.0	06/05/2023	ND	152	75.8	200	7.04	
EXT DRO >C28-C36	<10.0	10.0	06/05/2023	ND					
Surrogate: 1-Chlorooctane	76.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	72.1	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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Celeg D. Freene

Celey D. Keene, Lab Director/Quality Manager

2

Page 5 of



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Ensolum, LLC Project Manager: \(\lambda \) \(\lambda \) \(\lambda \)	ΛΛ				BILL TO)	30			ANAL	Vele DE	211505	
Address: 8/21 Nat Parks Awy City: Out Should State: NIM Zip: \$8220				P.O. #: Company: A A			T	ANALYSIS REQUEST					
							-						
				Attn:	1111			1					
Phone #: 517-643-2503 Fax #:						-							
Project #: 08 0205 106 1 Project Owner:				Address: City:			-						
Project Name: 2005AV 2481-001 Project Location: 82,81668-103,50599					State: Zip: Phone #:								
													1
FOR LAB USE ONLY	1090		MATRIX	Fax #:	1 041	DI BIO	1		8				
				PRESER	SAN	PLING	-		0				
Lab I.D. Sample I.D. 1232899	Depth (feet)	# CONTAINERS # GROUNDWATER WASTEWATER		ACID/BASE: ACID/BASE: ACID/BASE: OTHER:	DATE DOORS	TIME 185	X BTE	X TOT	X Chlo				
3506	,5			X	7,	1140	1	Y	V				
										1	1	++	
												+	-
													1
											1	++-	
												++-	
		claim arising whether base emed waived unless made		CONTRACTOR OF THE PARTY OF THE		-		_					

Relinquished By: Relinquished By:	Date: 4-2-23 Rece	paradies of whether such claim is bas- ived By:	Ida Ky	Verbal Result: YAII Results are emailed REMARKS:	d. Please provi	Add'l Phone #: ide Email address:	yalcomata a
C	Corrected Tomp. °C 3.1 Corrected Tomp. °C 3.5 † Cardinal cannot a	□ No □ No	CHECKED BY: (Initials)	Turnaround Time: Thermometer ID #113 Correction Factor -0.5°C	Rush	Yes Yes	Sample Condition Observed Temp. °C Corrected Temp. °C

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



June 09, 2023

KALEI JENNINGS
ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD, NM 88220

RE: EVGSAU 2437 - 001

Enclosed are the results of analyses for samples received by the laboratory on 06/06/23 12:10.

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

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 06/06/2023 Sampling Date: 06/05/2023
Reported: 06/09/2023 Sampling Type: Soil

Project Name: EVGSAU 2437 - 001 Sampling Condition: Cool & Intact
Project Number: 03D2057067 Sample Received By: Tamara Oldaker

Project Location: MAVERICK 32.81668-103.50599

Sample ID: SW 01 @ 0-3' (H232861-01)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/07/2023	ND	2.37	119	2.00	2.10	
Toluene*	<0.050	0.050	06/07/2023	ND	2.32	116	2.00	1.75	
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.28	114	2.00	1.46	
Total Xylenes*	<0.150	0.150	06/07/2023	ND	6.88	115	6.00	0.746	
Total BTEX	<0.300	0.300	06/07/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/07/2023	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2023	ND	176	87.9	200	18.8	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	171	85.7	200	22.1	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					
Surrogate: 1-Chlorooctane	64.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	63.1	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 06/06/2023 Reported: 06/09/2023

Project Name: EVGSAU 2437 - 001
Project Number: 03D2057067

Project Location: MAVERICK 32.81668-103.50599

Sampling Date: 06/05/2023

Sampling Type: Soil

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

Sample ID: SW 02 @ 0-2' (H232861-02)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/07/2023	ND	2.37	119	2.00	2.10	
Toluene*	<0.050	0.050	06/07/2023	ND	2.32	116	2.00	1.75	
Ethylbenzene*	< 0.050	0.050	06/07/2023	ND	2.28	114	2.00	1.46	
Total Xylenes*	<0.150	0.150	06/07/2023	ND	6.88	115	6.00	0.746	
Total BTEX	<0.300	0.300	06/07/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	06/07/2023	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2023	ND	176	87.9	200	18.8	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	171	85.7	200	22.1	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					
Surrogate: 1-Chlorooctane	61.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	58.5	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Analytical Results For:

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

Received: 06/06/2023

Reported: 06/09/2023 Project Name: EVGSAU 2437 - 001 Project Number: 03D2057067

Project Location: MAVERICK 32.81668-103.50599 Sampling Date: 06/05/2023

Sampling Type: Soil

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

Sample ID: SW 03 @ 0-2' (H232861-03)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/07/2023	ND	2.37	119	2.00	2.10	
Toluene*	<0.050	0.050	06/07/2023	ND	2.32	116	2.00	1.75	
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.28	114	2.00	1.46	
Total Xylenes*	<0.150	0.150	06/07/2023	ND	6.88	115	6.00	0.746	
Total BTEX	<0.300	0.300	06/07/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 5	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/07/2023	ND	448	112	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2023	ND	176	87.9	200	18.8	
DRO >C10-C28*	112	10.0	06/07/2023	ND	171	85.7	200	22.1	
EXT DRO >C28-C36	29.6	10.0	06/07/2023	ND					
Surrogate: 1-Chlorooctane	101 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keine



06/05/2023

Soil

Analytical Results For:

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

Received: 06/06/2023 Sampling Date:

Reported: 06/09/2023 Sampling Type:

Project Name: EVGSAU 2437 - 001 Sampling Condition: Cool & Intact
Project Number: 03D2057067 Sample Received By: Tamara Oldaker

Project Location: MAVERICK 32.81668-103.50599

Sample ID: SW 04 @ 0-1' (H232861-04)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/07/2023	ND	2.37	119	2.00	2.10	
Toluene*	<0.050	0.050	06/07/2023	ND	2.32	116	2.00	1.75	
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.28	114	2.00	1.46	
Total Xylenes*	<0.150	0.150	06/07/2023	ND	6.88	115	6.00	0.746	
Total BTEX	<0.300	0.300	06/07/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/07/2023	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2023	ND	176	87.9	200	18.8	
DRO >C10-C28*	<10.0	10.0	06/07/2023	ND	171	85.7	200	22.1	
EXT DRO >C28-C36	<10.0	10.0	06/07/2023	ND					
Surrogate: 1-Chlorooctane	94.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.4	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Notes and Definitions

QR-04 The RPD for the BS/BSD was outside of historical limits.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

ecovery.

BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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Page 7 of 7

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

rroject manager:	ensolum, LIC		BILL	TO				ANALYSIS REQUEST	
Add 11004	hale ennings		P.O. #: A. A					THE TOIL REQUEST	
City Outstell	voot i Pourho Hwey	200	Company:					- 4 5	
Dhara # CIS	State:	NM zip:88220	Attn:						
Priorie #: 81 -	(083-2013 Fax #:		Address:		1	1			
Project #: USDZ	10 (0 Project (Owner: Mauerick	City:						1 1 1
Project Name:	1683-2503 Fax #: 2057067 Project of 1683-2503 Fax #: 2057067 Project of 16580 2437-001 32.81668, -103.5		State: Zip:						1 1 1
Project Location:	14. 81668, -103.S	0599)	Phone #:						$I \cup I$
FOR LAB USE ONLY	32.81668,-103.5 Manna Falcon	nata	Fax #:		1				
THE OUT ONLY		MATRIX	PRESERV.	SAMPLING	1		3		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	ACID/BASE: X ICE / COOL OTHER:	ATE TIME	8TEX	TPH	Chloric		
251	001@ 0-3'	C 1 X	X 65	23 1015	X	X	X		+++
3511	002 Q 0-2'			1020	1		1		+++
4 SW	004 60 0-1'			1025					
0,,	01 60 01		1 1	1030	V	V	1		
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						-			
ASE NOTE: Linking and						-			
ASE NOTE: Liability and Damage yses. All claims including those fo	or negligence and agu other second the	y for any claim arising whether based in contract all be deemed waived unless made in writing and cluding without limitation, business interruptions, it or by Cardinal, repartiess of whether such all.	r tort, shall be limited to the amou	int anid by the allest t					

Relinquished By:	Date: 623 Time: 210 Date: Time:	Received By:	Verbal Result: Yes No Add'I Phone #: All Results are emailed. Please provide Email address: No No Add'I Phone #:
Complex time a	Observed Temp. °C Corrected Temp. °C	Cool Intact (Initials) Yes Yes	Turnaround Time: Standard Rush



July 06, 2023

KALEI JENNINGS

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: EVGSAU 2437 - 001

Enclosed are the results of analyses for samples received by the laboratory on 06/14/23 12:24.

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

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2 Regulated VOCs and Total Trihalomethanes (TTHM)

Method EPA 552.2 Total Haloacetic Acids (HAA-5)

Celey D. Keine

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: EVGSAU 2437 - 001
Project Number: 03D2057067
Project Manager: KALEI JENNINGS

Fax To:

Reported: 06-Jul-23 10:57

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW 04 @ 0-2'	H233052-01	Soil	14-Jun-23 11:00	14-Jun-23 12:24

07/06/23 - Client changed the sample ID (see COC). This is the revised report and will replace the one sent on 06/16/23.

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene



Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: EVGSAU 2437 - 001
Project Number: 03D2057067

Project Manager: KALEI JENNINGS

Fax To:

Reported: 06-Jul-23 10:57

SW 04 @ 0-2' H233052-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	48.0		16.0	mg/kg	4	3061428	AC	14-Jun-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3061504	JH/	16-Jun-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3061504	JH/	16-Jun-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3061504	JH/	16-Jun-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3061504	JH/	16-Jun-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3061504	JH/	16-Jun-23	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		110 %	71.5	-134	3061504	JH/	16-Jun-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3061424	MS	15-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3061424	MS	15-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3061424	MS	15-Jun-23	8015B	
Surrogate: 1-Chlorooctane			82.9 %	48.2	-134	3061424	MS	15-Jun-23	8015B	
Surrogate: 1-Chlorooctadecane			85.7 %	49.1	-148	3061424	MS	15-Jun-23	8015B	

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Celes D. Keene



Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: EVGSAU 2437 - 001 Project Number: 03D2057067

Project Manager: KALEI JENNINGS

Fax To:

Reported: 06-Jul-23 10:57

Inorganic Compounds - Quality Control

Cardinal Laboratories

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 3061428 - 1:4 DI Water										
Blank (3061428-BLK1)				Prepared &	Analyzed:	14-Jun-23				
Chloride	ND	16.0	mg/kg							
LCS (3061428-BS1)				Prepared &	z Analyzed:	14-Jun-23				
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (3061428-BSD1)				Prepared &	Analyzed:	14-Jun-23				
Chloride	448	16.0	mg/kg	400		112	80-120	7.41	20	

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Celey D. Keene



%REC

Limits

RPD

Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220

Analyte

m,p-Xylene

Total Xylenes

Surrogate: 4-Bromofluorobenzene (PID)

o-Xylene

Project: EVGSAU 2437 - 001
Project Number: 03D2057067

Spike

Level

4.00

2.00

6.00

0.0500

Source

Result

%REC

111

107

109

102

89-129

86.1-125

88.2-128

71.5-134

1.51

2.33

1.78

16.2

16.7

16.3

Reported: 06-Jul-23 10:57

RPD

Limit

Notes

Project Manager: KALEI JENNINGS

Fax To:

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Units

Reporting

Limit

Result

4.43

2.14

6.57

0.0509

0.100

0.050

0.150

mg/kg

mg/kg

mg/kg

mg/kg

Blank (3061504-BLK1)				Prepared & Analy	yzed: 15-Jun-23				
Benzene	ND	0.050	mg/kg						
Toluene	ND	0.050	mg/kg						
Ethylbenzene	ND	0.050	mg/kg						
Total Xylenes	ND	0.150	mg/kg						
Total BTEX	ND	0.300	mg/kg						
Surrogate: 4-Bromofluorobenzene (PID)	0.0540		mg/kg	0.0500	108	71.5-134			
LCS (3061504-BS1)				Prepared & Analy	yzed: 15-Jun-23				
Benzene	2.23	0.050	mg/kg	2.00	111	82.8-130			
Toluene	2.21	0.050	mg/kg	2.00	110	86-128			
Ethylbenzene	2.21	0.050	mg/kg	2.00	111	85.9-128			
m,p-Xylene	4.37	0.100	mg/kg	4.00	109	89-129			
o-Xylene	2.09	0.050	mg/kg	2.00	104	86.1-125			
Total Xylenes	6.45	0.150	mg/kg	6.00	108	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0502		mg/kg	0.0500	100	71.5-134			
LCS Dup (3061504-BSD1)				Prepared & Analy	yzed: 15-Jun-23				
Benzene	2.24	0.050	mg/kg	2.00	112	82.8-130	0.612	15.8	
Toluene	2.22	0.050	mg/kg	2.00	111	86-128	0.662	15.9	
Ethylbenzene	2.25	0.050	mg/kg	2.00	113	85.9-128	1.73	16	

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Celey D. Keene



%REC

Limits

RPD

Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220

Analyte

Surrogate: 1-Chlorooctadecane

Project: EVGSAU 2437 - 001
Project Number: 03D2057067

Project Manager: KALEI JENNINGS

Spike

Level

Source

Result

%REC

105

49.1-148

Fax To:

Reported: 06-Jul-23 10:57

RPD

Limit

Notes

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Units

Reporting

Limit

Result

52.4

Blank (3061424-BLK1)				Prepared & Ana	lyzed: 14-Jun-23	3			
GRO C6-C10	ND	10.0	mg/kg						
DRO >C10-C28	ND	10.0	mg/kg						
EXT DRO >C28-C36	ND	10.0	mg/kg						
Surrogate: 1-Chlorooctane	38.7		mg/kg	49.6	78.0	48.2-134			
Surrogate: 1-Chlorooctadecane	42.2		mg/kg	50.0	84.5	49.1-148			
LCS (3061424-BS1)				Prepared: 14-Jun	n-23 Analyzed: 1	5-Jun-23			
GRO C6-C10	200	10.0	mg/kg	200	100	78.5-124			
DRO >C10-C28	206	10.0	mg/kg	200	103	72.5-126			
Total TPH C6-C28	406	10.0	mg/kg	400	102	77.6-123			
Surrogate: 1-Chlorooctane	54.3		mg/kg	49.6	109	48.2-134			
Surrogate: 1-Chlorooctadecane	55.5		mg/kg	50.0	111	49.1-148			
LCS Dup (3061424-BSD1)				Prepared: 14-Jur	n-23 Analyzed: 1	5-Jun-23			
GRO C6-C10	189	10.0	mg/kg	200	94.7	78.5-124	5.53	17.7	
DRO >C10-C28	196	10.0	mg/kg	200	97.8	72.5-126	5.33	21	
Total TPH C6-C28	385	10.0	mg/kg	400	96.3	77.6-123	5.43	18.5	
Surrogate: 1-Chlorooctane	51.6		mg/kg	49.6	104	48.2-134			

mg/kg

50.0

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Celes D. Keene



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 8 of 8

Released to Imaging: 10/6/2023 11:43:27 AM

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

Company Name: 0 60 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	BILL TO ANALYSIS REQUEST
Address: 3 27 North Furths How State: M Zip: Attn: City: 10 5 000 State: M Zip: Attn: Phone #: Fax #: Address: Project Name: 05 02 05 7 06 7 Phone #: Project Location: 3Z 8 06 8 - 103.505 9 Phone #: Sampler Name: 1.20 0000 Address: For LAB USE ONLY Lab I.D. Sample I.D. Company: Attn: Address: City: State: Zip: Phone #: Fax #: Fax #: MATRIX PRESERV. SAMPLING MATRIX PRESERV. SAMPLING DATE TIME #23.3053	BILL 10
Address: 3 CL 1001 FOUR 15 WILLIAM Zip: 8000 Attn: Address: 4 Address: Address: City: Project #G\[GSA\] 2437-00 Project Owner: City: State: Zip: Project Name: 0500 CST 060 Phone #: Project Location: 32. 8 6 6 6 - 103.5009 Phone #: Fax #: Sampler Name: 1. 40 COYY 0.4 CST 1000 PROJECT OWNER: Project Location: 32. 8 6 6 6 7 103.5009 Phone #: For Lab I.D. Sample I.D. WASTER PRESERV. SAMPLING H2332053	
Phone #: Project #Q \(\(\text{QSA} \) \(2\frac{37}{37} \cdot \text{Ol Project Owner:} \) \(\text{QUUTCh} \text{City:} \) Project Name: \(\text{QSDQUSTD} \text{QS} \) \(-\text{D3.SDSQ} \) Project Location: \(32.8 \) \(\text{QS} \) \(-\text{D3.SDSQ} \) Phone #: Fax #: Project Location: \(32.8 \) \(\text{QS} \) \(-\text{D3.SDSQ} \) Phone #: Fax #: Phone #: Fax #: Address: City: Phone #: Fax #: Fax #: Fax #: For Lab USE ONLY Lab I.D. Sample I.D. Sample I.D. DATE TIME #2330S3	
Phone #: Project #\$\(\(\(\frac{1}{2}\)\) \(\frac{1}{2}\) \(\f	O Attn:
Project Name: () 50 / 06 (Project Location: 32. 8 / 668 103.50599 Phone #: Sampler Name: \ 20 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Address:
Project Name: () 50 / 0.5 / 0.6 (Project Location: 32. 8 / 0.6 8 - 103.50099 Phone #: Sampler Name: . 40 COYUMATA FOR LAB USE ONLY PRESERV. SAMPLING Lab I.D. Sample I.D. Sample I.D. Sample I.D. H23.3053 A Color	CF) City:
Project Location: 32.8 668 - 103.50009 Sampler Name: J. 20 COM/O-10 FOR LAB USE ONLY Lab I.D. Sample I.D. Sample I.D. Phone #: Fax #: Sampler Name: J. 20 COM/O-10 MATRIX PRESERV. SAMPLING WASTEWATER WASTEWATER ACIDINARY TERM OF COORDINARY TERM OF COORDI	State: Zip:
Sampler Name: Add COMMATEX Frax #: FOR LAB USE ONLY Lab I.D. Sample I.D. Sample I.D. Sample I.D. Fax #: MATRIX PRESERV. SAMPLING WASTEWATER OIL	Phone #:
Tab I.D. Sample I.D. Soll (G)RAB OR (C) ACIDIBASE: ACID	Fax #:
Lab I.D. Sample I.D. Soul. OIL	MATRIX PRESERV. SAMPLING
	SOIL SILUDGE STUDGE STU
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable analyses.	based in contract or tort, shall be limited to the amount paid by the client for the

affiliates or successor intringent of or related to the perfer	Oate: 14-23 Time: 2 24	Received By:	Verbal Result: Yes No Add'l Phone #: All Results are emailed. Please provide Email address: White Mark Cours White Mark Cours	m
Relinquished By:	Date:	Received By:	* Customer requested Sample Id changes. * Customer requested Sample Id changes. * Turnaround Time: Standard Bacteria (only) Sample Condition 7/5/23	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C	Cool Intact (Initials)	Turnaround Time: Standard Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Thermometer ID #113 Correction Factor -0.6°C Standard Cool Intact Observed Temp. °C Yes Yes No No Corrected Temp. °C	



June 23, 2023

KALEI JENNINGS
ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD, NM 88220

RE: EVGSAU 2437 - 001

Enclosed are the results of analyses for samples received by the laboratory on 06/19/23 14:30.

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

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 06/19/2023 Reported: 06/23/2023

Project Name: EVGSAU 2437 - 001 Project Number: 03D2057067

Project Location: MAVERICK 32.81668-103.50599

Sampling Date: 06/16/2023

Sampling Type: Soil

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

Sample ID: PH 01 A (H233149-01)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	06/23/2023	ND	1.85	92.5	2.00	2.76	
Toluene*	3.50	0.100	06/23/2023	ND	1.85	92.6	2.00	2.49	
Ethylbenzene*	13.1	0.100	06/23/2023	ND	1.90	94.8	2.00	2.68	
Total Xylenes*	tal Xylenes* 23.6 0.300		06/23/2023	ND	5.79	96.5	6.00	1.73	
Total BTEX	40.2	0.600	06/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	129	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	17200	16.0	06/20/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1320	50.0	06/21/2023	ND	159	79.7	200	1.93	
DRO >C10-C28*	10900	50.0	06/21/2023	ND	158	79.1	200	2.15	
EXT DRO >C28-C36	1770	50.0	06/21/2023	ND					
Surrogate: 1-Chlorooctane	322	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	208	% 49.1-14	8						

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

*=Accredited Analyte



Analytical Results For:

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

Received: 06/19/2023 Reported: 06/23/2023

Project Name: EVGSAU 2437 - 001 Project Number: 03D2057067

Project Location: MAVERICK 32.81668-103.50599 Sampling Date: 06/16/2023

Sampling Type: Soil

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

Sample ID: PH 01 G (H233149-02)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2023	ND	1.85	92.5	2.00	2.76	
Toluene*	<0.050	0.050	06/23/2023	ND	1.85	92.6	2.00	2.49	
Ethylbenzene*	<0.050	0.050	06/23/2023	ND	1.90	94.8	2.00	2.68	
Total Xylenes*	<0.150	0.150	06/23/2023	ND	5.79	96.5	6.00	1.73	
Total BTEX	<0.300	0.300	06/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B mg/l		kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	06/20/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/21/2023	ND	159	79.7	200	1.93	
DRO >C10-C28*	<10.0	10.0	06/21/2023	ND	158	79.1	200	2.15	
EXT DRO >C28-C36	12.8	10.0	06/21/2023	ND					
Surrogate: 1-Chlorooctane	102 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 06/19/2023 Reported: 06/23/2023

06/23/2023 EVGSAU 2437 - 001

Project Name: EVGSAU 2437 Project Number: 03D2057067

Project Location: MAVERICK 32.81668-103.50599

Sampling Date: 06/16/2023

Sampling Type: Soil

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

Sample ID: PH 02 A (H233149-03)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2023	ND	1.85	92.5	2.00	2.76	
Toluene*	0.225	0.050	06/23/2023	ND	1.85	92.6	2.00	2.49	
Ethylbenzene*	1.20	0.050	06/23/2023	ND	1.90	94.8	2.00	2.68	
Total Xylenes*	2.44	0.150	06/23/2023	ND	5.79	96.5	6.00	1.73	
Total BTEX	3.87	0.300	06/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	132	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1230	16.0	06/20/2023	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	44.3	10.0	06/21/2023	ND	159	79.7	200	1.93	
DRO >C10-C28*	399	10.0	06/21/2023	ND	158	79.1	200	2.15	
EXT DRO >C28-C36	57.2	10.0	06/21/2023	ND					
Surrogate: 1-Chlorooctane	77.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	70.5	% 49.1-14	8						

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06/16/2023

Soil

Analytical Results For:

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

Received: 06/19/2023 Sampling Date: Reported: 06/23/2023 Sampling Type:

Project Name: EVGSAU 2437 - 001 Sampling Condition: Cool & Intact
Project Number: 03D2057067 Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: MAVERICK 32.81668-103.50599

ma/ka

Sample ID: PH 02 D (H233149-04)

RTFY 8021R

Result	Reporting Limit	Analyzed	M II 101					
<0.050		7 tilaly zea	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
~0.030	0.050	06/21/2023	ND	1.85	92.5	2.00	2.76	
<0.050	0.050	06/21/2023	ND	1.85	92.6	2.00	2.49	
<0.050	0.050	06/21/2023	ND	1.90	94.8	2.00	2.68	
Total Xylenes* <0.150 0.150		06/21/2023	ND	5.79	96.5	6.00	1.73	
<0.300	0.300	06/21/2023	ND					
109	% 71.5-13	4						
mg,	/kg	Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
400	16.0	06/20/2023	ND	432	108	400	3.77	
mg,	/kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	06/21/2023	ND	159	79.7	200	1.93	
<10.0	10.0	06/21/2023	ND	158	79.1	200	2.15	
<10.0	10.0	06/21/2023	ND					
94.8	% 48.2-13	4						
99.5	% 49.1-14	8						
	<0.050 <0.150 <0.300 1099 mg/ Result 400 mg/ Result <10.0 <10.0 <94.8	<0.050 0.050 <0.050 0.050 <0.150 0.150 <0.300 0.300 109	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050

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Celey D. Keine



Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celeg D. Freene



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 7 of

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

Company Name:	nsolum. 11P									BI	LL TO					ANALY	SIS REC	QUEST	
Project Manager:	all Jennings							P.(0. #:	0	1,05.								
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city: NOUTSON	State State	Zip	:8	8	22	0		Att	n:										
Phone #: (17-6	92-7503 Fax#:							Ad	dres	s:									
Project #: 130705.	57067 Project Owne	r:	rla	N	en	CK	1	Cit	y:	-							1 1		
Project Name: 61	95AD 7437	-0	~					Sta	ate:		Zip:	_	1						
Project Location: 2	2.8/2668, -103.50	15%	4						one	#:			1		2				
Sampler Name:	Minuma Fouldon	act	er	_				Fa	x #:	SERV	CAM	PLING	-	1 3	3				
FOR LAB USE ONLY		۵.				MATR	CIX	T	PKE	SERV	SAIM	LING	1	×	7		1 1		
		(C)OMP	SS	TER	œ								-	111	0				
Lab I.D.	Sample I.D.		# CONTAINERS	GROUNDWATER	WASTEWATER				SE	70			ā	1	5				
		(G)RAB OR	TNC	NOC	STEV	_	SLUDGE	OTHER	ACID/BASE	ICE / COOL OTHER:			1	0	0				
HZ33149		(G)	#	GRO	WA		SLL	OT	AC	OT P		TIME	1		1		_		
1 =	HOLA	G	1			X		H		X	6/16/2	0946	X	1	X		1		
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affliates or successors arising out of or related to the per Relinquished By: Relinquished By:	ormance of services hereunder by C Date: 6-19-23 Time: 4-30 Date:	Received By:	Verbal Result: Yes & No Add'l Phone #: All Results are emailed. Please provide Email address: Wild Minds & Linsolum Som Fall Common Collision REMARKS:
	Time:		
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C Corrected Temp. °C	Good Intact (interes)	Turnaround Time: Standard Rush Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Thermometer ID #113 Correction Factor -0.6°C

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Kalei Jennings Ensolum 601 N. Marienfeld St. Suite 400

Midland, Texas 79701

Generated 1/18/2023 1:38:25 PM

JOB DESCRIPTION

EVGSU 2437-001 SDG NUMBER Lea County

JOB NUMBER

890-3833-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

Eurofins Carlsbad

Job Notes

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

Authorization

Generated 1/18/2023 1:38:25 PM

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

1/18/2023

Page 2 of 31

Client: Ensolum Laboratory Job ID: 890-3833-1 Project/Site: EVGSU 2437-001 SDG: Lea County

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Definitions/Glossary

Client: Ensolum Job ID: 890-3833-1 Project/Site: EVGSU 2437-001

SDG: Lea County

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
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 VC	A Qualifier Description

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
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not
	applicable.
E	Result exceeded calibration range.
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.
n	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

ND Not Detected at the re	porting limit (or MDL or EDL if shown)
---------------------------	--

NEG	Negative / Absent
POS	Positive / Present
POI	Practical Quantitatio

PQL	Practical	Quantitation Limit
DDE0	_	

PRES	Presumptive
QC	Quality Control

y))
У	

RL Reporting Limit or Requested Limit (Radiochemistry)

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

TEF Toxicity Equivalent Factor (Dioxin) TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Eurofins Carlsbad

Case Narrative

Client: Ensolum

Project/Site: EVGSU 2437-001

Job ID: 890-3833-1 SDG: Lea County

Job ID: 890-3833-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-3833-1

Receipt

The samples were received on 1/11/2023 4:35 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 4.0°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SS01 (890-3833-1), SS02 (890-3833-2), SS03 (890-3833-3), SS04 (890-3833-4), SS05 (890-3833-5), SS06 (890-3833-6), SS07 (890-3833-7) and SS08 (890-3833-8).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: SS01 (890-3833-1) and SS02 (890-3833-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: SS03 (890-3833-3) and SS04 (890-3833-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-43910 and analytical batch 880-43961 was outside control limits. Sample matrix interference and/or non-homogeneity is suspected.

Method 8021B: LCSD biased high. Since only an acceptable LCS is required per the method, the data has been qualified and reported. (LCSD 880-43910/2-A)

Method 8021B: Surrogate recovery for the following samples were outside control limits: SS01 (890-3833-1) and SS02 (890-3833-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-43991 and analytical batch 880-44129 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.

GC Semi VOA

Method 8015MOD NM: Surrogate recovery for the following samples were outside control limits: SS01 (890-3833-1), SS02 (890-3833-2), SS03 (890-3833-3), SS04 (890-3833-4), SS05 (890-3833-5), SS07 (890-3833-7), SS08 (890-3833-8), (MB 880-43909/1-A) and (890-3831-A-1-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300 ORGFM 28D: The native sample, matrix spike, and matrix spike duplicate (MS/MSD) associated with preparation batch 880-43970 and analytical batch 880-44164 were performed at the same dilution. Due to the additional level of analyte present in the spiked samples, the concentration of Chloride in the MS/MSD was above the instrument calibration range. The data have been reported and qualified.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-43970 and analytical batch 880-44164 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Lab Sample ID: 890-3833-1

Client Sample Results

Client: Ensolum

Project/Site: EVGSU 2437-001

SDG: Lea County

Client Sample ID: SS01

Date Collected: 01/11/23 13:15 Date Received: 01/11/23 16:35

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	12.7		0.498	mg/Kg		01/16/23 14:35	01/17/23 15:34	250
Toluene	93.1		0.498	mg/Kg		01/16/23 14:35	01/17/23 15:34	250
Ethylbenzene	85.9		0.498	mg/Kg		01/16/23 14:35	01/17/23 15:34	250
m-Xylene & p-Xylene	70.0		0.996	mg/Kg		01/16/23 14:35	01/17/23 15:34	250
o-Xylene	35.0		0.498	mg/Kg		01/16/23 14:35	01/17/23 15:34	250
Xylenes, Total	105		0.996	mg/Kg		01/16/23 14:35	01/17/23 15:34	250
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	471	S1+	70 - 130			01/13/23 13:50	01/16/23 16:24	50
1,4-Difluorobenzene (Surr)	70		70 - 130			01/13/23 13:50	01/16/23 16:24	50
Method: TAL SOP Total BTEX -	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	297		0.996	mg/Kg			01/17/23 14:40	1
Method: SW846 8015 NM - Dies	sel Range Organ	ics (DRO) ((GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	41300		500	mg/Kg			01/16/23 16:51	1
Method: SW846 8015B NM - Di	esel Range Orga	nics (DRO)	(GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	4660		500	mg/Kg		01/13/23 13:11	01/16/23 03:17	10
Diesel Range Organics (Over C10-C28)	32100		500	mg/Kg		01/13/23 13:11	01/16/23 03:17	10
Oll Range Organics (Over C28-C36)	4570		500	mg/Kg		01/13/23 13:11	01/16/23 03:17	10
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	196	S1+	70 - 130			01/13/23 13:11	01/16/23 03:17	10
o-Terphenyl	184	S1+	70 - 130			01/13/23 13:11	01/16/23 03:17	10
Method: MCAWW 300.0 - Anior	ns, Ion Chromato	ography - So	oluble					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Allalyte	rtoourt			•	_			

Client Sample ID: SS02

Date Collected: 01/11/23 13:20

Lab Sample ID: 890-3833-2

Matrix: Solid

Date Collected: 01/11/23 13:20 Date Received: 01/11/23 16:35

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	9.37	*+	0.0998	mg/Kg		01/13/23 13:50	01/16/23 16:44	50
Toluene	79.0		0.497	mg/Kg		01/16/23 14:35	01/17/23 15:55	250
Ethylbenzene	85.7		0.497	mg/Kg		01/16/23 14:35	01/17/23 15:55	250
m-Xylene & p-Xylene	74.6		0.994	mg/Kg		01/16/23 14:35	01/17/23 15:55	250
o-Xylene	40.5		0.497	mg/Kg		01/16/23 14:35	01/17/23 15:55	250
Xylenes, Total	115		0.994	mg/Kg		01/16/23 14:35	01/17/23 15:55	250

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/19/2022

Lab Sample ID: 890-3833-2

Job ID: 890-3833-1

Client: Ensolum Project/Site: EVGSU 2437-001 SDG: Lea County

Client Sample ID: SS02

Date Collected: 01/11/23 13:20 Date Received: 01/11/23 16:35

Sample Depth: 0.5'

Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	561	S1+	70 - 130		01/13/23 13:50	01/16/23 16:44	50
1,4-Difluorobenzene (Surr)	121		70 - 130		01/13/23 13:50	01/16/23 16:44	50
Method: TAL SOP Total BTEX - Tot							
Amalusa	Decult	Ovelifier	DI.	I I to l 6	D Draward	A so a la ses al	Dill

Method: TAL SOP Total BTEX - To	tal BTEX Calculation						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	289	0.994	mg/Kg			01/17/23 14:40	1

Method: SW846 8015 NM - Diesel I	Range Organics (DRO) (GC	5)					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	40200	499	mg/Kg			01/16/23 16:51	1

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	3960	499	mg/Kg		01/13/23 13:11	01/16/23 03:38	10
Diesel Range Organics (Over C10-C28)	31900	499	mg/Kg		01/13/23 13:11	01/16/23 03:38	10
Oll Range Organics (Over C28-C36)	4320	499	mg/Kg		01/13/23 13:11	01/16/23 03:38	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Anaiyzea	DII Fac
1-Chlorooctane	195	S1+	70 - 130	01/13/23 13:11	01/16/23 03:38	10
o-Terphenyl	187	S1+	70 - 130	01/13/23 13:11	01/16/23 03:38	10
_						

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8290		50.3	mg/Kg			01/17/23 17:09	10

Client Sample ID: SS03 Lab Sample ID: 890-3833-3 Date Collected: 01/11/23 13:25 **Matrix: Solid**

Date Received: 01/11/23 16:35

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	38.4		0.994	mg/Kg		01/16/23 14:35	01/17/23 20:02	500
Toluene	170		0.994	mg/Kg		01/16/23 14:35	01/17/23 20:02	500
Ethylbenzene	111		0.994	mg/Kg		01/16/23 14:35	01/17/23 20:02	500
m-Xylene & p-Xylene	90.6		1.99	mg/Kg		01/16/23 14:35	01/17/23 20:02	500
o-Xylene	41.3		0.994	mg/Kg		01/16/23 14:35	01/17/23 20:02	500
Xylenes, Total	132		1.99	mg/Kg		01/16/23 14:35	01/17/23 20:02	500
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	466	S1+	70 - 130			01/13/23 13:50	01/16/23 21:35	50
1,4-Difluorobenzene (Surr)	77		70 - 130			01/13/23 13:50	01/16/23 21:35	50
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	451		1.99	mg/Kg			01/17/23 14:40	1

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Lab Sample ID: 890-3833-3

01/16/23 04:00

Job ID: 890-3833-1

01/13/23 13:11

01/13/23 13:11

Client: Ensolum Project/Site: EVGSU 2437-001 SDG: Lea County

Client Sample ID: SS03

Date Collected: 01/11/23 13:25 Date Received: 01/11/23 16:35

Sample Depth: 0.5'

Method: SW846 8015 NM - Diesel I	Range Organics (DRO) (GO	()					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	17100	250	mg/Kg			01/16/23 16:51	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	3390		250	mg/Kg		01/13/23 13:11	01/16/23 04:00	5
Diesel Range Organics (Over C10-C28)	12000		250	mg/Kg		01/13/23 13:11	01/16/23 04:00	5
Oll Range Organics (Over C28-C36)	1730		250	mg/Kg		01/13/23 13:11	01/16/23 04:00	5
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	153	S1+	70 - 130			01/13/23 13:11	01/16/23 04:00	5

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13400		100	mg/Kg			01/17/23 17:15	20

70 - 130

171 S1+

17600

Client Sample ID: SS04 Lab Sample ID: 890-3833-4 **Matrix: Solid**

Date Collected: 01/11/23 13:30 Date Received: 01/11/23 16:35

Sample Depth: 0.5'

o-Terphenyl

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	9.62	-	1.00	mg/Kg		01/16/23 14:35	01/17/23 20:22	500
Toluene	74.8		1.00	mg/Kg		01/16/23 14:35	01/17/23 20:22	500
Ethylbenzene	73.8		1.00	mg/Kg		01/16/23 14:35	01/17/23 20:22	500
m-Xylene & p-Xylene	65.8		2.00	mg/Kg		01/16/23 14:35	01/17/23 20:22	500
o-Xylene	36.4		1.00	mg/Kg		01/16/23 14:35	01/17/23 20:22	500
Xylenes, Total	102		2.00	mg/Kg		01/16/23 14:35	01/17/23 20:22	500
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	423	S1+	70 - 130			01/13/23 13:50	01/16/23 21:56	50
1,4-Difluorobenzene (Surr)	120		70 - 130			01/13/23 13:50	01/16/23 21:56	50
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	260		2.00	mg/Kg			01/17/23 14:40	1
Method: SW846 8015 NM - Die	sel Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	22100		250	mg/Kg			01/16/23 16:51	1
Method: SW846 8015B NM - D	iesel Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

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01/16/23 04:21

250

mg/Kg

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(GRO)-C6-C10

C10-C28)

Diesel Range Organics (Over

Matrix: Solid

Lab Sample ID: 890-3833-4

Lab Sample ID: 890-3833-5

Client Sample Results

Client: Ensolum Job ID: 890-3833-1
Project/Site: EVGSU 2437-001 SDG: Lea County

Client Sample ID: SS04

Date Collected: 01/11/23 13:30 Date Received: 01/11/23 16:35

Sample Depth: 0.5'

Method: SW846 8015B NM - Di	esel Range Orga	nics (DRO)	(GC) (Continued)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	2350		250	mg/Kg		01/13/23 13:11	01/16/23 04:21	5
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	161	S1+	70 - 130			01/13/23 13:11	01/16/23 04:21	5
o-Terphenyl	171	S1+	70 - 130			01/13/23 13:11	01/16/23 04:21	5

Method: MCAWW 300.0 - Anions, I	Ion Chromatog	raphy - Solu	ıble					
Analyte	Result Q	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13600		99.6	mg/Kg			01/17/23 17:21	20

Client Sample ID: SS05

Date Collected: 01/11/23 13:35 Date Received: 01/11/23 16:35

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	0.152	*+	0.0498	mg/Kg		01/13/23 13:50	01/16/23 22:17	25
Toluene	0.297		0.0498	mg/Kg		01/13/23 13:50	01/16/23 22:17	25
Ethylbenzene	0.145	*+	0.0498	mg/Kg		01/13/23 13:50	01/16/23 22:17	25
m-Xylene & p-Xylene	0.148		0.0996	mg/Kg		01/13/23 13:50	01/16/23 22:17	25
o-Xylene	0.0830		0.0498	mg/Kg		01/13/23 13:50	01/16/23 22:17	25
Xylenes, Total	0.231		0.0996	mg/Kg		01/13/23 13:50	01/16/23 22:17	25
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130			01/13/23 13:50	01/16/23 22:17	25
1,4-Difluorobenzene (Surr)	121		70 - 130			01/13/23 13:50	01/16/23 22:17	25
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.825		0.0996	mg/Kg			01/17/23 14:40	1
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	7210		49.9	mg/Kg			01/16/23 16:51	1
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	7210		49.9	mg/Kg		01/13/23 13:11	01/16/23 01:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/13/23 13:11	01/16/23 01:29	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/13/23 13:11	01/16/23 01:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130			01/13/23 13:11	01/16/23 01:29	1
o-Terphenyl	137	S1+	70 - 130			01/13/23 13:11	01/16/23 01:29	1
-								
Method: MCAWW 300.0 - Anions	, Ion Chromato	graphy - So	oluble					
Method: MCAWW 300.0 - Anions Analyte		graphy - So Qualifier	oluble RL	Unit	D	Prepared	Analyzed	Dil Fac

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Lab Sample ID: 890-3833-6

Client Sample Results

Client: Ensolum

Project/Site: EVGSU 2437-001

SDG: Lea County

Client Sample ID: SS06

Date Collected: 01/11/23 13:40 Date Received: 01/11/23 16:35

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0495	U *+	0.0495	mg/Kg		01/13/23 13:50	01/16/23 22:37	25
Toluene	0.155		0.0495	mg/Kg		01/13/23 13:50	01/16/23 22:37	25
Ethylbenzene	0.126	*+	0.0495	mg/Kg		01/13/23 13:50	01/16/23 22:37	25
m-Xylene & p-Xylene	0.148		0.0990	mg/Kg		01/13/23 13:50	01/16/23 22:37	25
o-Xylene	0.0994		0.0495	mg/Kg		01/13/23 13:50	01/16/23 22:37	25
Xylenes, Total	0.247		0.0990	mg/Kg		01/13/23 13:50	01/16/23 22:37	25
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130			01/13/23 13:50	01/16/23 22:37	25
1,4-Difluorobenzene (Surr)	123		70 - 130			01/13/23 13:50	01/16/23 22:37	25
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.528		0.0990	mg/Kg			01/17/23 14:40	1
Method: SW846 8015 NM - Diese	•	, , ,						
Analyte		Qualifier	RL 50.0	Unit	<u>D</u>	Prepared	Analyzed	
Analyte Total TPH	Result50.1	Qualifier	RL 50.0	Mg/Kg	<u>D</u>	Prepared	Analyzed 01/16/23 16:51	
·	50.1		50.0		<u>D</u>	Prepared		
Total TPH	50.1		50.0		<u>D</u> 	Prepared Prepared		1
Total TPH Method: SW846 8015B NM - Dies	50.1	nics (DRO) Qualifier	50.0 (GC)	mg/Kg	=	<u> </u>	01/16/23 16:51	Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	50.1 sel Range Orga Result	nics (DRO) Qualifier	50.0 (GC)	mg/Kg	=	Prepared	01/16/23 16:51 Analyzed	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	50.1 sel Range Orga Result <50.0	nics (DRO) Qualifier	50.0 (GC) RL 50.0	mg/Kg Unit mg/Kg	=	Prepared 01/13/23 13:11	01/16/23 16:51 Analyzed 01/16/23 00:24	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	sel Range Orga Result <50.0 50.1	nics (DRO) Qualifier U	50.0 (GC) RL 50.0 50.0	mg/Kg Unit mg/Kg mg/Kg	=	Prepared 01/13/23 13:11 01/13/23 13:11	01/16/23 16:51 Analyzed 01/16/23 00:24 01/16/23 00:24	1 Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	50.1 sel Range Orga Result <50.0 50.1 <50.0	nics (DRO) Qualifier U	50.0 (GC) RL 50.0 50.0 50.0	mg/Kg Unit mg/Kg mg/Kg	=	Prepared 01/13/23 13:11 01/13/23 13:11 01/13/23 13:11	01/16/23 16:51 Analyzed 01/16/23 00:24 01/16/23 00:24 01/16/23 00:24	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	50.1 sel Range Orga Result <50.0 50.1 <50.0 %Recovery	nics (DRO) Qualifier U	50.0 (GC) RL 50.0 50.0 50.0 Limits	mg/Kg Unit mg/Kg mg/Kg	=	Prepared 01/13/23 13:11 01/13/23 13:11 01/13/23 13:11 Prepared	Analyzed 01/16/23 00:24 01/16/23 00:24 01/16/23 00:24 Analyzed	Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	50.1 sel Range Orga Result <50.0 50.1 <50.0 %Recovery 108 127	nics (DRO) Qualifier U	50.0 (GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg	=	Prepared 01/13/23 13:11 01/13/23 13:11 01/13/23 13:11 Prepared 01/13/23 13:11	Analyzed 01/16/23 00:24 01/16/23 00:24 01/16/23 00:24 Analyzed 01/16/23 00:24	1 Dil Fac 1 1 1 Dil Fac 7
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	50.1 sel Range Orga Result <50.0 50.1 <50.0 %Recovery 108 127 s, Ion Chromato	nics (DRO) Qualifier U	50.0 (GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg	=	Prepared 01/13/23 13:11 01/13/23 13:11 01/13/23 13:11 Prepared 01/13/23 13:11	Analyzed 01/16/23 00:24 01/16/23 00:24 01/16/23 00:24 Analyzed 01/16/23 00:24	Dil Fac 1 Dil Fac 1 Dil Fac 1 Dil Fac 1 Dil Fac

Client Sample ID: SS07

Date Collected: 01/11/23 13:45 Date Received: 01/11/23 16:35

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.0497	U *+	0.0497	mg/Kg		01/13/23 13:50	01/16/23 22:58	2
Toluene	0.0839		0.0497	mg/Kg		01/13/23 13:50	01/16/23 22:58	2
Ethylbenzene	< 0.0497	U *+	0.0497	mg/Kg		01/13/23 13:50	01/16/23 22:58	25
m-Xylene & p-Xylene	<0.0994	U	0.0994	mg/Kg		01/13/23 13:50	01/16/23 22:58	25
o-Xylene	< 0.0497	U	0.0497	mg/Kg		01/13/23 13:50	01/16/23 22:58	25
Xylenes, Total	<0.0994	U	0.0994	mg/Kg		01/13/23 13:50	01/16/23 22:58	25
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130			01/13/23 13:50	01/16/23 22:58	25

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Lab Sample ID: 890-3833-7

Matrix: Solid

Job ID: 890-3833-1

Client: Ensolum Project/Site: EVGSU 2437-001 SDG: Lea County

Client Sample ID: SS07

Lab Sample ID: 890-3833-7 Date Collected: 01/11/23 13:45 Matrix: Solid Date Received: 01/11/23 16:35

Sample Depth: 0.5'

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	122	70 - 130	01/13/23 13:50	01/16/23 22:58	25

Method: TAI	SOP Total BTFX -	Total BTFX Calculation

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.0994 U	0.0994	ma/Ka			01/17/23 14:40	1

Method: SW846 8	015 NM - Diocol	Pango Organice	(DBO) (CC)	
Method. 344040 0	O 12 IAIM - DIESEI	Namye Organics		

	90 0.9 (2.10) (0.0						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0 U	50.0	mg/Kg			01/16/23 16:51	1

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

	0 0	, ,	\ /					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/13/23 13:11	01/16/23 00:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/13/23 13:11	01/16/23 00:45	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/13/23 13:11	01/16/23 00:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	129	70 - 130	01/13/23 13:11	01/16/23 00:45	1
o-Terphenyl	145 S1+	70 - 130	01/13/23 13:11	01/16/23 00:45	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	347		5.01	mg/Kg	1		01/17/23 17:38	1

Client Sample ID: SS08 Lab Sample ID: 890-3833-8

Date Collected: 01/11/23 13:50 Date Received: 01/11/23 16:35

Sample Depth: 0.5'

Markle and CM/OAC	0004D V-1-41-	Organic Compounds (GC)	
I IVIDTOOD: SVVXAB	XIIJTH - VOISTIID	Cirdanic Compolinds (GC)	

Michiga. Cito-to coz ib volutil	organio comp	ourius (CC)	,					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *+	0.00200	mg/Kg		01/13/23 13:50	01/16/23 19:51	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/13/23 13:50	01/16/23 19:51	1
Ethylbenzene	<0.00200	U *+	0.00200	mg/Kg		01/13/23 13:50	01/16/23 19:51	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		01/13/23 13:50	01/16/23 19:51	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/13/23 13:50	01/16/23 19:51	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/13/23 13:50	01/16/23 19:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130			01/13/23 13:50	01/16/23 19:51	1

4-Bromofluorobenzene (Surr)	103	70 - 130	01/13/23 13:50	01/16/23 19:51	1
1,4-Difluorobenzene (Surr)	107	70 - 130	01/13/23 13:50	01/16/23 19:51	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	_		01/17/23 14:40	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/16/23 16:51	1

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Matrix: Solid

Lab Sample ID: 890-3833-8

Analyzed 01/17/23 17:43

Client Sample Results

Client: Ensolum

Project/Site: EVGSU 2437-001

SDG: Lea County

Client Sample ID: SS08

Date Collected: 01/11/23 13:50 Date Received: 01/11/23 16:35

Sample Depth: 0.5'

Analyte

Chloride

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		01/13/23 13:11	01/16/23 01:50	1
(GRO)-C6-C10 Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		01/13/23 13:11	01/16/23 01:50	1
C10-C28) OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/13/23 13:11	01/16/23 01:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130			01/13/23 13:11	01/16/23 01:50	1
o-Terphenyl	144	S1+	70 - 130			01/13/23 13:11	01/16/23 01:50	1

RL

24.9

Unit

mg/Kg

D

Prepared

Result Qualifier

234

12

Dil Fac

5

14

Surrogate Summary

Client: Ensolum Job ID: 890-3833-1 Project/Site: EVGSU 2437-001 SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

890-3832-A-8-E MS 890-3832-A-8-F MSD 890-3833-1 890-3833-2	Client Sample ID Matrix Spike Matrix Spike Duplicate SS01	BFB1 (70-130) 107 109	OFBZ1 (70-130) 102	
Lab Sample ID 890-3832-A-8-E MS 890-3832-A-8-F MSD 890-3833-1 890-3833-2	Matrix Spike Matrix Spike Duplicate	107	<u> </u>	
890-3832-A-8-F MSD 890-3833-1 890-3833-2	Matrix Spike Duplicate		102	
890-3833-1 890-3833-2		109		
890-3833-2	SS01		98	
		471 S1+	70	
	SS02	561 S1+	121	
890-3833-3	SS03	466 S1+	77	
890-3833-4	SS04	423 S1+	120	
890-3833-5	SS05	103	121	
890-3833-6	SS06	101	123	
890-3833-7	SS07	97	122	
890-3833-8	SS08	103	107	
890-3838-A-61-E MS	Matrix Spike	102	84	
890-3838-A-61-F MSD	Matrix Spike Duplicate	134 S1+	93	
LCS 880-43910/1-A	Lab Control Sample	99	101	
LCS 880-43991/1-A	Lab Control Sample	108	97	
LCSD 880-43910/2-A	Lab Control Sample Dup	104	104	
LCSD 880-43991/2-A	Lab Control Sample Dup	111	100	
MB 880-43910/5-A	Method Blank	99	100	
MB 880-43991/5-A	Method Blank	85	90	

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-3831-A-1-B MS	Matrix Spike	102	114	
890-3831-A-1-C MSD	Matrix Spike Duplicate	107	119	
890-3833-1	SS01	196 S1+	184 S1+	
890-3833-2	SS02	195 S1+	187 S1+	
890-3833-3	SS03	153 S1+	171 S1+	
890-3833-4	SS04	161 S1+	171 S1+	
890-3833-5	SS05	113	137 S1+	
890-3833-6	SS06	108	127	
890-3833-7	SS07	129	145 S1+	
890-3833-8	SS08	131 S1+	144 S1+	
LCS 880-43909/2-A	Lab Control Sample	104	126	
LCSD 880-43909/3-A	Lab Control Sample Dup	105	126	
MB 880-43909/1-A	Method Blank	179 S1+	227 S1+	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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Prep Type: Total/NA

QC Sample Results

Client: Ensolum Job ID: 890-3833-1 Project/Site: EVGSU 2437-001 SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-43910/5-A

Analysis Batch: 43961

Matrix: Solid

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43910

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/13/23 13:50	01/16/23 14:39	
Toluene	<0.00200	U	0.00200	mg/Kg		01/13/23 13:50	01/16/23 14:39	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/13/23 13:50	01/16/23 14:39	
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		01/13/23 13:50	01/16/23 14:39	
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/13/23 13:50	01/16/23 14:39	
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/13/23 13:50	01/16/23 14:39	

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	77		1+ - 03+	+0/03/: 3 038	6+ +0/02/: 3 04537	0
0,4-Difluorobenzene (Surr)	0++		1+ - 03+	+0/03/: 3 03	6+ +0/02/: 3 04537	0

Lab Sample ID: LCS 880-43910/1-A Client Sample ID: Lab Control Sample

Matrix: Solid

Analysis Batch: 43961

Prep Type: Total/NA

Prep Batch: 43910

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1229		mg/Kg		123	70 - 130	
Toluene	0.100	0.1128		mg/Kg		113	70 - 130	
Ethylbenzene	0.100	0.1225		mg/Kg		122	70 - 130	
m-Xylene & p-Xylene	0.200	0.2218		mg/Kg		111	70 - 130	
o-Xylene	0.100	0.1119		mg/Kg		112	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	77	1+ - 03+
0,4-Difluorobenzene (Surr)	0+0	1+ - 03+

Lab Sample ID: LCSD 880-43910/2-A

Matrix: Solid

Analysis Batch: 43961

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 43910

LCSD LCSD RPD Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits Limit Benzene 0.100 0.1348 mg/Kg 135 70 - 130 9 35 Toluene 0.100 0.1189 mg/Kg 119 70 - 130 5 35 Ethylbenzene 0.100 0.1308 *+ mg/Kg 131 70 - 130 35 0.200 m-Xylene & p-Xylene 0.2375 mg/Kg 119 70 - 130 35 0.100 o-Xylene 0.1194 mg/Kg 119 70 - 130 35

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	0+4	1+ - 03+
0.4-Difluorobenzene (Surr)	0+4	1+ - 03+

Lab Sample ID: 890-3832-A-8-E MS

Matrix: Solid

Analysis Batch: 43961

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

Prep Batch: 43910

MS MS Sample Sample Spike %Rec Added Analyte Result Qualifier Result Qualifier Unit %Rec Limits <0.00202 U *+ F2 0.101 0.09977 99 Benzene mg/Kg 70 - 130

F1

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QC Sample Results

Client: Ensolum Job ID: 890-3833-1 Project/Site: EVGSU 2437-001 SDG: Lea County

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

Lab Sample ID: 890-3832-A-8-E MS Client Sample ID: Matrix Spike **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 43961 Prep Batch: 43910 MS MS Sample Sample Snike

	Janipie	Janipie	Opike	IVIO	IVIO				/orcec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Toluene	<0.00202	U F2 F1	0.101	0.07955		mg/Kg		79	70 - 130	
Ethylbenzene	<0.00202	U *+ F2	0.101	0.08884		mg/Kg		88	70 - 130	
		F1								
m-Xylene & p-Xylene	< 0.00403	U F2 F1	0.202	0.1628		mg/Kg		81	70 - 130	
o-Xylene	<0.00202	U F2 F1	0.101	0.08464		mg/Kg		84	70 - 130	

MS MS Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 0+1 1+ - 03+ 0,4-Difluorobenzene (Surr) 0+: 1+ - 03+

Client Sample ID: Matrix Spike Duplicate Lab Sample ID: 890-3832-A-8-F MSD Prep Type: Total/NA

Matrix: Solid Analysis Batch: 43961

-	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00202	U *+ F2	0.0990	0.007699	F2 F1	mg/Kg		8	70 - 130	171	35
		F1									
Toluene	<0.00202	U F2 F1	0.0990	0.01331	F2 F1	mg/Kg		13	70 - 130	143	35
Ethylbenzene	<0.00202	U *+ F2	0.0990	0.007250	F2 F1	mg/Kg		7	70 - 130	170	35
		F1									
m-Xylene & p-Xylene	<0.00403	U F2 F1	0.198	0.007591	F2 F1	mg/Kg		4	70 - 130	182	35
o-Xylene	<0.00202	U F2 F1	0.0990	0.003161	F2 F1	mg/Kg		3	70 - 130	186	35

MSD MSD %Recovery Qualifier Limits Surrogate 1+ - 03+ 4-Bromofluorobenzene (Surr) 0+7 0,4-Difluorobenzene (Surr) 7C 1+ - 03+

Lab Sample ID: MB 880-43991/5-A Client Sample ID: Method Blank Matrix: Solid

Analysis Batch: 44129

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/16/23 14:35	01/17/23 12:29	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/16/23 14:35	01/17/23 12:29	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/16/23 14:35	01/17/23 12:29	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		01/16/23 14:35	01/17/23 12:29	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/16/23 14:35	01/17/23 12:29	1
Xylenes, Total	< 0.00400	U	0.00400	mg/Kg		01/16/23 14:35	01/17/23 12:29	1

	MB N	ИВ					
Surrogate	%Recovery G	Qualifier	Limits	Prepar	red	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	<u></u>		1+ - 03+	+0/02/: 3	04536	+0/01/: 3 0: 5 7	0
0.4-Difluorobenzene (Surr)	7+		1+ - 03+	+0/02/: 3	04536	+0/01/- 3 0- 5 7	0

Lab Sample ID: LCS 880-43991/1-A

Client Sample ID: Lab Control Sample **Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 44129** Prep Batch: 43991

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09402		mg/Kg		94	70 - 130	

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Prep Batch: 43910

Prep Type: Total/NA

Prep Batch: 43991

QC Sample Results

Client: Ensolum Job ID: 890-3833-1 Project/Site: EVGSU 2437-001 SDG: Lea County

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

Lab Sample ID: LCS 880-43991/1-A Client Sample ID: Lab Control Sample

Matrix: Solid Prep Type: Total/NA Analysis Batch: 44129 Prep Batch: 43991

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Toluene	0.100	0.1033		mg/Kg		103	70 - 130	
Ethylbenzene	0.100	0.09664		mg/Kg		97	70 - 130	
m-Xylene & p-Xylene	0.200	0.2150		mg/Kg		107	70 - 130	
o-Xylene	0.100	0.1176		mg/Kg		118	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	0+C	1+ - 03+
0,4-Difluorobenzene (Surr)	71	1+ - 03+

Lab Sample ID: LCSD 880-43991/2-A Client Sample ID: Lab Control Sample Dup

Ma

Analysis Batch: 44129

atrix: Solid	Prep Type: Total/NA
nalysis Batch: 44129	Pren Batch: 43991

Spike LCSD LCSD RPD %Rec Result Qualifier Limit Analyte Added Unit %Rec Limits RPD Benzene 0.100 0.1023 70 - 130 35 mg/Kg 102 8 Toluene 0.100 0.1067 107 70 - 130 35 mg/Kg 3 Ethylbenzene 0.100 0.09902 70 - 130 mg/Kg 99 2 35 m-Xylene & p-Xylene 0.200 0.2172 70 - 130 mg/Kg 109 35 o-Xylene 0.100 0.1197 mg/Kg 120 70 - 130

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	000	1+ - 03+
0,4-Difluorobenzene (Surr)	0++	1+ - 03+

Lab Sample ID: 890-3838-A-61-E MS

Matrix: Solid Prep Type: Total/NA Analysis Batch: 44129 Prep Batch: 43991

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00199	U F1	0.0998	0.06666	F1	mg/Kg		67	70 - 130	
Toluene	<0.00199	U	0.0998	0.08616		mg/Kg		86	70 - 130	
Ethylbenzene	<0.00199	U	0.0998	0.09887		mg/Kg		99	70 - 130	
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1769		mg/Kg		89	70 - 130	
o-Xylene	<0.00199	U	0.0998	0.09305		mg/Kg		93	70 - 130	

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	O+:	1+ - 03+
0,4-Difluorobenzene (Surr)	C4	1+ - 03+

Lab Sample ID: 890-3838-A-61-F MSD

Matrix: So

Analysis Batch: 44129

nple ID: 890-3838-A-61-F MSD	Client Sample ID: Matrix Spike Duplicate
Solid	Prep Type: Total/NA
s Batch: 44129	Pren Batch: 43991

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00199	U F1	0.100	0.06608	F1	mg/Kg		66	70 - 130	1	35
Toluene	< 0.00199	U	0.100	0.07566		mg/Kg		76	70 - 130	13	35
Ethylbenzene	< 0.00199	U	0.100	0.08076		mg/Kg		81	70 - 130	20	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1847		mg/Kg		92	70 - 130	4	35

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Client Sample ID: Matrix Spike

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Job ID: 890-3833-1 Client: Ensolum Project/Site: EVGSU 2437-001

SDG: Lea County

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

Lab Sample ID: 890-3838-A-61-F MSD Matrix: Solid						C	lient S	ample IE): Matrix S _I	pike Dup Type: To	
Analysis Batch: 44129										Batch:	
Sa	mple	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte R	esult	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
o-Xylene <0.0	0199	U	0.100	0.1021		mg/Kg		102	70 - 130	9	35
	MSD	MSD									

Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 034 S0h 1+ - 03+ 0,4-Difluorobenzene (Surr) 73 1+-03+

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

Lab Sample ID: MB 880-43909/1-A Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA Analysis Batch: 43947 Prep Batch: 43909

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		01/13/23 13:11	01/15/23 19:47	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		01/13/23 13:11	01/15/23 19:47	1
C10-C28)								
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/13/23 13:11	01/15/23 19:47	1

MB MB %Recovery Qualifier Limits Prepared Dil Fac Surrogate Analyzed 0-c t lorooa9Tne 017 S0h 1+ - 03+ +0/03/: 3 03500 +0/06/: 3 07541 0 o-peryt en8l ::1 S0h 1+ - 03+ +0/03/: 3 03500 +0/06/: 3 07541 0

Lab Sample ID: LCS 880-43909/2-A Client Sample ID: Lab Control Sample **Matrix: Solid** Prep Type: Total/NA Analysis Batch: 43947 Prep Batch: 43909

Spike LCS LCS %Rec Added %Rec Analyte Result Qualifier Unit Limits 1000 945.3 95 70 - 130 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 932.4 93 70 - 130 mg/Kg C10-C28)

LCS LCS Surrogate %Recovery Qualifier Limits 0-c t lorooa9Tne 0+4 1+ - 03+ o-peryt en8l 0:2 1+ - 03+

Client Sample ID: Lab Control Sample Dup Lab Sample ID: LCSD 880-43909/3-A **Matrix: Solid** Prep Type: Total/NA Analysis Batch: 43947 Prep Batch: 43909 Spike LCSD LCSD RPD Analyte Added Result Qualifier Limits RPD Limit Unit %Rec Gasoline Range Organics 1000 907.9 mg/Kg 91 70 - 130 20 (GRO)-C6-C10 1000 939.3 Diesel Range Organics (Over mg/Kg 94 70 - 13020 C10-C28) LCSD LCSD Surrogate %Recovery Qualifier Limits 0-c t Iorooa9Tne 1+ - 03+ 0+6

Project/Site: EVGSU 2437-001

Analysis Batch: 43947

Client: Ensolum

o-peryt en8l

Job ID: 890-3833-1

SDG: Lea County

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

Lab Sample ID: LCSD 880-43909/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid**

Prep Type: Total/NA

Prep Batch: 43909

LCSD LCSD Surrogate %Recovery Qualifier

Limits 0.2 1+ - 03+

Lab Sample ID: 890-3831-A-1-B MS Client Sample ID: Matrix Spike

Matrix: Solid Prep Type: Total/NA Analysis Batch: 43947

Prep Batch: 43909

MS MS Sample Sample Spike %Rec Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits Gasoline Range Organics <49.9 U 998 907.3 mg/Kg 88 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over <49.9 U 998 1114 mg/Kg 108 70 - 130 C10-C28)

MS MS Limits %Recovery Qualifier Surrogate 0-c t lorooa9Tne 1+ - 03+ 0+: 004 o-peryt en8l 1+ - 03+

Lab Sample ID: 890-3831-A-1-C MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid Prep Type: Total/NA Analysis Batch: 43947 Prep Batch: 43909

Sample Sample Spike MSD MSD %Rec RPD Result Qualifier Added Result Qualifier RPD Limit Analyte Unit %Rec Limits Gasoline Range Organics <49.9 997 944.2 92 70 - 130 20 mg/Kg (GRO)-C6-C10 997 Diesel Range Organics (Over <49.9 U 1175 mg/Kg 115 70 - 130 20

MSD MSD Surrogate %Recovery Qualifier Limits

0-c t lorooa9Tne 0+1 1+ - 03+ 007 1+ - 03+ o-peryt en8l

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-43970/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 44164

C10-C28)

MB MB Analyte Result Qualifier RL Unit Dil Fac D Prepared Analyzed Chloride <5.00 U 5.00 01/17/23 14:54 mg/Kg

Lab Sample ID: LCS 880-43970/2-A Client Sample ID: Lab Control Sample Matrix: Solid **Prep Type: Soluble**

Analysis Batch: 44164

Spike LCS LCS %Rec Analyte Added Result Qualifier Limits Unit %Rec Chloride 250 99 246.3 mg/Kg 90 - 110

QC Sample Results

Client: Ensolum Job ID: 890-3833-1 Project/Site: EVGSU 2437-001

SDG: Lea County

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-43970/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 44164

Spike LCSD LCSD %Rec RPD Added Analyte Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 245.9 mg/Kg 98 90 - 110

Lab Sample ID: 890-3835-A-1-H MS Client Sample ID: Matrix Spike Matrix: Solid **Prep Type: Soluble**

Analysis Batch: 44164

	Sample Sample	Spike	MS I	MS				%Rec	
Analyte	Result Qualifier	Added	Result (Qualifier	Unit	D	%Rec	Limits	
Chloride	1370	248	1517 I	E 4	mg/Kg		59	90 - 110	

Lab Sample ID: 890-3835-A-1-I MSD Client Sample ID: Matrix Spike Duplicate **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 44164

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	1370		248	1515	E 4	mg/Kg		58	90 - 110	0	20

QC Association Summary

Client: Ensolum

Project/Site: EVGSU 2437-001

SDG: Lea County

GC VOA

Prep Batch: 43910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3833-1	SS01	Total/NA	Solid	5035	
890-3833-2	SS02	Total/NA	Solid	5035	
890-3833-3	SS03	Total/NA	Solid	5035	
890-3833-4	SS04	Total/NA	Solid	5035	
890-3833-5	SS05	Total/NA	Solid	5035	
890-3833-6	SS06	Total/NA	Solid	5035	
890-3833-7	SS07	Total/NA	Solid	5035	
890-3833-8	SS08	Total/NA	Solid	5035	
MB 880-43910/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-43910/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-43910/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3832-A-8-E MS	Matrix Spike	Total/NA	Solid	5035	
890-3832-A-8-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 43961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3833-1	SS01	Total/NA	Solid	8021B	43910
890-3833-2	SS02	Total/NA	Solid	8021B	43910
890-3833-3	SS03	Total/NA	Solid	8021B	43910
890-3833-4	SS04	Total/NA	Solid	8021B	43910
890-3833-5	SS05	Total/NA	Solid	8021B	43910
890-3833-6	SS06	Total/NA	Solid	8021B	43910
890-3833-7	SS07	Total/NA	Solid	8021B	43910
890-3833-8	SS08	Total/NA	Solid	8021B	43910
MB 880-43910/5-A	Method Blank	Total/NA	Solid	8021B	43910
LCS 880-43910/1-A	Lab Control Sample	Total/NA	Solid	8021B	43910
LCSD 880-43910/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	43910
890-3832-A-8-E MS	Matrix Spike	Total/NA	Solid	8021B	43910
890-3832-A-8-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	43910

Prep Batch: 43991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3833-1	SS01	Total/NA	Solid	5035	
890-3833-2	SS02	Total/NA	Solid	5035	
890-3833-3	SS03	Total/NA	Solid	5035	
890-3833-4	SS04	Total/NA	Solid	5035	
MB 880-43991/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-43991/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-43991/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3838-A-61-E MS	Matrix Spike	Total/NA	Solid	5035	
890-3838-A-61-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 44129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3833-1	SS01	Total/NA	Solid	8021B	43991
890-3833-2	SS02	Total/NA	Solid	8021B	43991
890-3833-3	SS03	Total/NA	Solid	8021B	43991
890-3833-4	SS04	Total/NA	Solid	8021B	43991
MB 880-43991/5-A	Method Blank	Total/NA	Solid	8021B	43991
LCS 880-43991/1-A	Lab Control Sample	Total/NA	Solid	8021B	43991
LCSD 880-43991/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	43991

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1/10/2022

QC Association Summary

Client: Ensolum Job ID: 890-3833-1 Project/Site: EVGSU 2437-001 SDG: Lea County

GC VOA (Continued)

Analysis Batch: 44129 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3838-A-61-E MS	Matrix Spike	Total/NA	Solid	8021B	43991
890-3838-A-61-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	43991

Analysis Batch: 44174

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3833-1	SS01	Total/NA	Solid	Total BTEX	
890-3833-2	SS02	Total/NA	Solid	Total BTEX	
890-3833-3	SS03	Total/NA	Solid	Total BTEX	
890-3833-4	SS04	Total/NA	Solid	Total BTEX	
890-3833-5	SS05	Total/NA	Solid	Total BTEX	
890-3833-6	SS06	Total/NA	Solid	Total BTEX	
890-3833-7	SS07	Total/NA	Solid	Total BTEX	
890-3833-8	SS08	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 43909

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3833-1	SS01	Total/NA	Solid	8015NM Prep	
890-3833-2	SS02	Total/NA	Solid	8015NM Prep	
890-3833-3	SS03	Total/NA	Solid	8015NM Prep	
890-3833-4	SS04	Total/NA	Solid	8015NM Prep	
890-3833-5	SS05	Total/NA	Solid	8015NM Prep	
890-3833-6	SS06	Total/NA	Solid	8015NM Prep	
890-3833-7	SS07	Total/NA	Solid	8015NM Prep	
890-3833-8	SS08	Total/NA	Solid	8015NM Prep	
MB 880-43909/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-43909/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-43909/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3831-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-3831-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 43947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3833-1	SS01	Total/NA	Solid	8015B NM	43909
890-3833-2	SS02	Total/NA	Solid	8015B NM	43909
890-3833-3	SS03	Total/NA	Solid	8015B NM	43909
890-3833-4	SS04	Total/NA	Solid	8015B NM	43909
890-3833-5	SS05	Total/NA	Solid	8015B NM	43909
890-3833-6	SS06	Total/NA	Solid	8015B NM	43909
890-3833-7	SS07	Total/NA	Solid	8015B NM	43909
890-3833-8	SS08	Total/NA	Solid	8015B NM	43909
MB 880-43909/1-A	Method Blank	Total/NA	Solid	8015B NM	43909
LCS 880-43909/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	43909
LCSD 880-43909/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	43909
890-3831-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	43909
890-3831-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	43909

Analysis Batch: 44066

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3833-1	SS01	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Ensolum Job ID: 890-3833-1 Project/Site: EVGSU 2437-001 SDG: Lea County

GC Semi VOA (Continued)

Analysis Batch: 44066 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3833-2	SS02	Total/NA	Solid	8015 NM	
890-3833-3	SS03	Total/NA	Solid	8015 NM	
890-3833-4	SS04	Total/NA	Solid	8015 NM	
890-3833-5	SS05	Total/NA	Solid	8015 NM	
890-3833-6	SS06	Total/NA	Solid	8015 NM	
890-3833-7	SS07	Total/NA	Solid	8015 NM	
890-3833-8	SS08	Total/NA	Solid	8015 NM	

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Leach Batch: 43970

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3833-1	SS01	Soluble	Solid	DI Leach	
890-3833-2	SS02	Soluble	Solid	DI Leach	
890-3833-3	SS03	Soluble	Solid	DI Leach	
890-3833-4	SS04	Soluble	Solid	DI Leach	
890-3833-5	SS05	Soluble	Solid	DI Leach	
890-3833-6	SS06	Soluble	Solid	DI Leach	
890-3833-7	SS07	Soluble	Solid	DI Leach	
890-3833-8	SS08	Soluble	Solid	DI Leach	
MB 880-43970/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-43970/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-43970/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3835-A-1-H MS	Matrix Spike	Soluble	Solid	DI Leach	
890-3835-A-1-I MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 44164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3833-1	SS01	Soluble	Solid	300.0	43970
890-3833-2	SS02	Soluble	Solid	300.0	43970
890-3833-3	SS03	Soluble	Solid	300.0	43970
890-3833-4	SS04	Soluble	Solid	300.0	43970
890-3833-5	SS05	Soluble	Solid	300.0	43970
890-3833-6	SS06	Soluble	Solid	300.0	43970
890-3833-7	SS07	Soluble	Solid	300.0	43970
890-3833-8	SS08	Soluble	Solid	300.0	43970
MB 880-43970/1-A	Method Blank	Soluble	Solid	300.0	43970
LCS 880-43970/2-A	Lab Control Sample	Soluble	Solid	300.0	43970
LCSD 880-43970/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	43970
890-3835-A-1-H MS	Matrix Spike	Soluble	Solid	300.0	43970
890-3835-A-1-I MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	43970

Job ID: 890-3833-1

Client: Ensolum Project/Site: EVGSU 2437-001 SDG: Lea County

Client Sample ID: SS01 Date Collected: 01/11/23 13:15 Date Received: 01/11/23 16:35

Lab Sample ID: 890-3833-1

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	43910	01/13/23 13:50	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	43961	01/16/23 16:24	MNR	EET MID
Total/NA	Prep	5035			5.02 g	5 mL	43991	01/16/23 14:35	MNR	EET MID
Total/NA	Analysis	8021B		250	5 mL	5 mL	44129	01/17/23 15:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44174	01/17/23 14:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			44066	01/16/23 16:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	43909	01/13/23 13:11	DM	EET MID
Total/NA	Analysis	8015B NM		10	1 uL	1 uL	43947	01/16/23 03:17	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	43970	01/16/23 09:20	KS	EET MID
Soluble	Analysis	300.0		10			44164	01/17/23 16:52	CH	EET MID

Client Sample ID: SS02 Lab Sample ID: 890-3833-2

Date Collected: 01/11/23 13:20 Matrix: Solid

Date Received: 01/11/23 16:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	43910	01/13/23 13:50	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	43961	01/16/23 16:44	MNR	EET MID
Total/NA	Prep	5035			5.03 g	5 mL	43991	01/16/23 14:35	MNR	EET MID
Total/NA	Analysis	8021B		250	5 mL	5 mL	44129	01/17/23 15:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44174	01/17/23 14:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			44066	01/16/23 16:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43909	01/13/23 13:11	DM	EET MIC
Total/NA	Analysis	8015B NM		10	1 uL	1 uL	43947	01/16/23 03:38	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	43970	01/16/23 09:20	KS	EET MID
Soluble	Analysis	300.0		10			44164	01/17/23 17:09	CH	EET MID

Lab Sample ID: 890-3833-3 **Client Sample ID: SS03** Matrix: Solid

Date Collected: 01/11/23 13:25 Date Received: 01/11/23 16:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	43910	01/13/23 13:50	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	43961	01/16/23 21:35	MNR	EET MID
Total/NA	Prep	5035			5.03 g	5 mL	43991	01/16/23 14:35	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	44129	01/17/23 20:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44174	01/17/23 14:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			44066	01/16/23 16:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43909	01/13/23 13:11	DM	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	43947	01/16/23 04:00	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	43970	01/16/23 09:20	KS	EET MID
Soluble	Analysis	300.0		20			44164	01/17/23 17:15	CH	EET MID

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	43910	01/13/23 13:50	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	43961	01/16/23 21:35	MNR	EET MID
Total/NA	Prep	5035			5.03 g	5 mL	43991	01/16/23 14:35	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	44129	01/17/23 20:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44174	01/17/23 14:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			44066	01/16/23 16:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43909	01/13/23 13:11	DM	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	43947	01/16/23 04:00	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	43970	01/16/23 09:20	KS	EET MID
Soluble	Analysis	300.0		20			44164	01/17/23 17:15	CH	EET MID

Client: Ensolum Project/Site: EVGSU 2437-001 Job ID: 890-3833-1

SDG: Lea County

Client Sample ID: SS04

Lab Sample ID: 890-3833-4

Matrix: Solid

Date Collected: 01/11/23 13:30 Date Received: 01/11/23 16:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	43910	01/13/23 13:50	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	43961	01/16/23 21:56	MNR	EET MID
Total/NA	Prep	5035			4.99 g	5 mL	43991	01/16/23 14:35	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	44129	01/17/23 20:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44174	01/17/23 14:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			44066	01/16/23 16:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43909	01/13/23 13:11	DM	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	43947	01/16/23 04:21	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	43970	01/16/23 09:20	KS	EET MID
Soluble	Analysis	300.0		20			44164	01/17/23 17:21	CH	EET MID

Lab Sample ID: 890-3833-5

Matrix: Solid

Matrix: Solid

Date Collected: 01/11/23 13:35 Date Received: 01/11/23 16:35

Client Sample ID: SS05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	43910	01/13/23 13:50	MNR	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	43961	01/16/23 22:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44174	01/17/23 14:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			44066	01/16/23 16:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43909	01/13/23 13:11	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43947	01/16/23 01:29	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	43970	01/16/23 09:20	KS	EET MID
Soluble	Analysis	300.0		1			44164	01/17/23 17:26	CH	EET MID

Client Sample ID: SS06 Lab Sample ID: 890-3833-6

Date Collected: 01/11/23 13:40 Date Received: 01/11/23 16:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	43910	01/13/23 13:50	MNR	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	43961	01/16/23 22:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44174	01/17/23 14:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			44066	01/16/23 16:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43909	01/13/23 13:11	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43947	01/16/23 00:24	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	43970	01/16/23 09:20	KS	EET MID
Soluble	Analysis	300.0		1			44164	01/17/23 17:32	CH	EET MID

Client: Ensolum

Job ID: 890-3833-1 Project/Site: EVGSU 2437-001 SDG: Lea County

Client Sample ID: SS07

Date Received: 01/11/23 16:35

Lab Sample ID: 890-3833-7 Date Collected: 01/11/23 13:45

Matrix: Solid

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab 5035 43910 Total/NA Prep 5.03 g 5 mL 01/13/23 13:50 MNR EET MID 8021B Total/NA Analysis 25 5 mL 5 mL 43961 01/16/23 22:58 MNR **EET MID** Total/NA Analysis Total BTEX 44174 01/17/23 14:40 SM EET MID 1 Total/NA 8015 NM 01/16/23 16:51 **EET MID** Analysis 1 44066 AJ Total/NA 8015NM Prep 43909 01/13/23 13:11 EET MID Prep 10.01 g 10 mL DM Total/NA Analysis 8015B NM 1 uL 1 uL 43947 01/16/23 00:45 ΑJ **EET MID** 50 mL Soluble DI Leach 4.99 g 43970 01/16/23 09:20 KS Leach **EET MID** Soluble Analysis 300.0 44164 01/17/23 17:38 СН **EET MID**

Client Sample ID: SS08 Lab Sample ID: 890-3833-8

Date Collected: 01/11/23 13:50 **Matrix: Solid**

Date Received: 01/11/23 16:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	43910	01/13/23 13:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43961	01/16/23 19:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44174	01/17/23 14:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			44066	01/16/23 16:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	43909	01/13/23 13:11	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43947	01/16/23 01:50	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	43970	01/16/23 09:20	KS	EET MID
Soluble	Analysis	300.0		5			44164	01/17/23 17:43	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 Job ID: 890-3833-1 Project/Site: EVGSU 2437-001

SDG: Lea County

Laboratory: Eurofins Midland

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

AuthorityProgramTexasNELAP		ogram	Identification Number	Expiration Date
		ELAP	T104704400-22-25	06-30-23
The following analytes the agency does not of		ut the laboratory is not certif	ied by the governing authority. This list ma	ay include analytes fo
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	Total TPH	
Total BTEX		Solid	Total BTEX	

Method Summary

Client: Ensolum Project/Site: EVGSU 2437-001 Job ID: 890-3833-1

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SD	G:	Lea	County

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

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions. SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Ensolum

Project/Site: EVGSU 2437-001

Job ID: 890-3833-1

SDG: Lea County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-3833-1	SS01	Solid	01/11/23 13:15	01/11/23 16:35	0.5'
890-3833-2	SS02	Solid	01/11/23 13:20	01/11/23 16:35	0.5'
890-3833-3	SS03	Solid	01/11/23 13:25	01/11/23 16:35	0.5'
890-3833-4	SS04	Solid	01/11/23 13:30	01/11/23 16:35	0.5'
890-3833-5	SS05	Solid	01/11/23 13:35	01/11/23 16:35	0.5'
890-3833-6	SS06	Solid	01/11/23 13:40	01/11/23 16:35	0.5'
890-3833-7	SS07	Solid	01/11/23 13:45	01/11/23 16:35	0.5'
890-3833-8	SS08	Solid	01/11/23 13:50	01/11/23 16:35	0.5'

Revised Date: 08/25/2020 Rev 2020 2

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Environment Testing Xenco

Chain of Custody

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

Work Order No:	

Company Name: City, State ZIP: Cor Is back NM 85220 City, State ZIP: Phone: Project Name: EVGSU 2437-001 Turn Around ANALYSIS REQUEST Project Number: O3D 2057067 Routine Rush Pres. Code Project Location: Lea Co. Due Date:	Preservative Codes None: NO DI Water: H ₂ C Cool: Cool MeOH: Me HCL: HC HNO 3: HN H ₂ SO 4: H ₂ NaOH: Na
Address: 3122 National Parks Hary Address: City, State ZIP: Carls land NM 88220 City, State ZIP: Phone: 817 683 2503 Email: Kyennings@ensolum.com Deliverables: EDD Project Name: EVGSU 2437-001 Turn Around ANALYSIS REQUEST Project Number: 03D 2059067 Routine Rush Pres. Code	Level III PST/UST TRRP Level IV ADaPT Other: Preservative Codes None: NO DI Water: H ₂ C Cool: Cool MeOH: Me HCL: HC HNO ₃ : HN H ₂ SO ₄ : H ₂ NaOH: Na
City, State ZIP: Carls lad NM 85220 City, State ZIP: Phone: 817683 2503 Email: KSCANASSCEASOLUM.C.S.M. Project Name: EVGSU 2437-001 Turn Around ANALYSIS REQUEST Project Number: 03D 2057067 Routine Rush Pres. Code	ADaPT Other: Preservative Codes None: NO DI Water: H ₂ C Cool: Cool MeOH: Mè HCL: HC HNO 3: HN H ₂ SO 4: H ₂ NaOH: Na
Phone: 817 683 2503 Email: KSCANASSCEASOLUM.C.S.A. Deliverables: EDD Project Name: EVGSU 2437-001 Turn Around ANALYSIS REQUEST Project Number: 03D 2057067 Project Number: Code	ADaPT Other: Preservative Codes None: NO DI Water: H ₂ C Cool: Cool MeOH: Mè HCL: HC HNO 3: HN H ₂ SO 4: H ₂ NaOH: Na
Project Name:	Preservative Codes None: NO DI Water: H ₂ C Cool: Cool MeOH: Me HCL: HC HNO 3: HN H ₂ SO 4: H ₂ NaOH: Na
Project Number: 03 D 205 9067 Routine Rush Pres. Code	None: NO DI Water: H ₂ C Cool: Cool MeOH: Me HCL: HC HNO 3: HN H ₂ SO 4: H ₂ NaOH: Na
Project Number: 03 D 205 9067 Routine Rush Pres. Code	Cool: Cool MeOH: Me HCL: HC HNO 3: HN H 250 4: H 2 NaOH: Na
Project Location: Lea Co. Due Date:	HCL: HC HNO 3: HN H 250 4: H 2 NaOH: Na
1 6 1 6	H ₂ SO ₄ : H ₂ NaOH: Na
Sampler's Name: J. Gable TAT starts the day received by	The state of the s
PO #:	
SAMPLE RECEIPT Temp Blank: Yes No Wet Ice: Yes No	H ₃ PO ₄ : HP
SAMPLE RECEIPT Temp Blank: Yes No Wet Ice: (Yes) No Samples Received Intact: (Yes) No Thermometer ID: Through The Correction Factor: -D. 2	NaHSO 4: NABIS
Cooler Custody Seals: Yes No MA Correction Factor:	Na 2S 2O 3: NaSO 4
Samples Received Intact: Cooler Custody Seals: Yes No MA Correction Factor: Sample Custody Seals: Yes No MA Temperature Reading: Corrected Temperature: Corrected Temper	Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC
	Naoti Fraction Acid. 3Ai C
Sample Identification Matrix Date Time Sampled Depth Grab/ # of Comp Cont Comp Cont	Sample Comments
5501 S 1/11/23 1315 .5 G 1 X X X	
5502 1 1 1325 .5 1 1 1 1 1	
5503	
5504 1330 .5	
SS05 1335 .5	
SS06 1340 .5	
5507 1 1345 .5 1 1 1 1	
5508 5 1/11/23 1350 .5 G 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	
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg:	: 1631 / 245.1 / 7470 / 7471
Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	
	by: (Signature) Date/Time
Ir All Duesday It to 1/11/23 1635 2	
a survey of the	
6	

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-3833-1

SDG Number: Lea County

Login Number: 3833 List Source: Eurofins Carlsbad

List Number: 1

Creator: Stutzman, Amanda

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

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Released to Imaging: 10/6/2023 11:43:27 AM

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-3833-1

SDG Number: Lea County

List Source: Eurofins Midland
List Number: 2
List Creation: 01/13/23 10:36 AM

Creator: Rodriguez, Leticia

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	

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APPENDIX F NMSLO Reclamation Plan

Reclamation Plan

The release occurred in a pasture area and as such, reclamation requirements set forth in 19.15.29.13.D (1) NMAC for the top 4 feet of areas that will be reclaimed following remediation were applied.

The following Reclamation Plan addresses reclamation of the off-pad excavation area and has been developed through review and application of the *Revegetation Guidelines Handbook for Southeastern New Mexico* – Version 1-1, authored by NMSLO and dated 2018, and 19.2.100.67 NMAC – *Surface Reclamation on State Oil and Gas Leases*:

- The excavation will be backfilled with locally sourced caliche and topsoil to match surrounding grade. A minimum of 1-foot of topsoil will be placed on top of the caliche to support vegetative growth within the disturbed area;
- Soil in the vicinity of the release in the pasture will be assessed for the proper application of *Table 3 Revegetation Plans*, *Codes*, *and Soil Types for Southeastern New Mexico*;
- The backfilled areas will be seeded utilizing a weed-free seed mix designed listed in the table below:

Common Name and Preferred Variety	Scientific Name	PLS Per Acre
Annual Quick-cover Grass		
Oats	Avena sativa	1.00
Cool Season Grass		
Western Wheatgrass	Agropyron smithii	2.50
Warm-Season Grass		
Black or Blue Grama	Boutela gracilis var. Alma	1.50
Little Bluestem	Schizachyrium scoparium	0.50
Sand Dropseed	Sporobolus cryptandrus	0.50
Sand Bluestem	Andropogon hallii	1.00
Indiangrass	Sorghastrum nutans	0.50
Sideoats Grama	Bouteloua curtipendula var.	2.00
	Vaughn	
Wildflowers/ Forbs		
White prairie clover	Dalea candida	0.10
Scarlet globemallow	Sphaeralcea coccinea	0.10
Chia Sage	Salvia columbariae	0.10
Annual sunflower	Helianthus annuus	0.10
Annual buckwheat	Eriogonum annuum	0.10

- The seed mixture will be distributed with one or more of the following methods: push broadcaster seed spreader, tractor operated broadcast seed spreader, and/or drill seeding based on Site conditions and contractor availability;
- Application of the seed mixture will be at a coverage of 10 pounds of seeds per acre of reclaimed pasture with distribution by a drilling method or 20 pounds of seeds per acre of reclaimed pasture with distribution by a broadcast method;

- Erosion control management is not anticipated since the proposed excavation area is relatively flat; however, in the event erosion control management is necessary to support vegetation growth and minimize erosion until the root structures take hold, the application of the following best management practices (BMPs) could potentially include:
 - Prompt revegetation with mulching and contouring the ground surface to limit surface water flow:
 - The placement of waddles in areas with a propensity for high run off rates;
 - Straw cover if high winds are anticipated to support moisture retention and limit wind from blowing seeds away before they have had time to germinate; and/or
 - Other erosional control best management practices (BMP) as necessary to support timely and healthy regrowth of vegetation in disturbed areas;
- Backfilling of the excavation will be scheduled and communicated with NMSLO prior to initiation:
- Seeding is anticipated to be completed in the Fall when temperatures and precipitation
 are most conducive for vegetation growth. In general, seeding should occur approximately
 one month after the last frost in the Spring up until approximately one month prior to the
 first fall frost. NMSLO has recognized the optimal time to seed is between July and early
 September, which will be the preferred timeframe for this Site;
- If seeding occurs outside of the 180 days approved in the current fully executed ROE Permit, a new ROE Permit will be executed prior to entering the pasture for reclamation activities;
- Annual inspections (at a minimum) will take place on the location until revegetation is
 consistent with local natural vegetation density. The Site will be inspected the following
 Fall to assess the success of regrowth. If necessary, an additional application of the
 NMSLO-approved pure live seed mixture will be applied as well as any needed BMPs will
 be installed to support growth and limit erosion; and
- Upon completion of revegetation, a copy of the C-103 submitted to NMOCD will also be submitted to NMSLO for final inspection and release.



APPENDIX G

NMOCD Notifications

From: Enviro, OCD, EMNRD
To: Kalei Jennings

Cc: <u>Bratcher, Michael, EMNRD; Nobui, Jennifer, EMNRD</u>

Subject: RE: [EXTERNAL] Maverick Permian - Sampling Notification (Week of 5/15/2023)

Date: Friday, May 12, 2023 3:08:14 PM

Attachments: <u>image005.jpg</u>

image006.png image007.png image008.png image009.png

[**EXTERNAL EMAIL**]

Kalei,

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

JH

Jocelyn Harimon • Environmental Specialist

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

http://www.emnrd.nm.gov



From: Kalei Jennings <kjennings@ensolum.com>

Sent: Friday, May 12, 2023 2:47 PM

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

Subject: [EXTERNAL] Maverick Permian - Sampling Notification (Week of 5/15/2023)

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

All,

Maverick Permian, LLC (Maverick) plans to complete sampling activities at the following site the week of May 15, 2023.

EVGSAU 2418-001 / NAPP2231954757

• Sampling Date: 5/17/2023 & 5/18/2023

EVGSAU 2963-001/ NAPP2235371799

• Sampling Date: 5/17/2023 & 5/18/2023

- MCA 400 / NAPP2305455050
 - Sampling Date: 5/17/2023
- EVGSAU 2437-001/ NAPP2303273838
 - Sampling Date: 5/17/2023 & 5/18/2023

Thank you,



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

From: Enviro, OCD, EMNRD
To: Kalei Jennings

Cc: <u>Bratcher, Michael, EMNRD</u>; <u>Velez, Nelson, EMNRD</u>

Subject: RE: [EXTERNAL] Maverick Permian - Sampling Notification (Week of 5/29/2023)

Date: Friday, May 26, 2023 10:31:14 AM

Attachments: <u>image005.jpg</u>

image006.png image007.png image008.png image009.png

[**EXTERNAL EMAIL**]

Kalei,

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

JH

Jocelyn Harimon • Environmental Specialist

Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | <u>Jocelyn.Harimon@emnrd.nm.gov</u>

http://www.emnrd.nm.gov



From: Kalei Jennings <kjennings@ensolum.com>

Sent: Thursday, May 25, 2023 3:53 PM

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

Subject: [EXTERNAL] Maverick Permian - Sampling Notification (Week of 5/29/2023)

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

All,

Maverick Permian, LLC (Maverick) plans to complete sampling activities at the following site the week of May 29, 2023.

- EVGSAU 2963-001/ NAPP2235371799
 - Sampling Date: 6/1/2023 & 6/2/2023
- EVGSAU 2437-001/ NAPP2303273838
 - Sampling Date: 5/30/2023 & 5/31/2023

- MCA 351/ NAPP2302034681
 - Sampling Date: 6/1/2023 & 6/2/2023

Thank you,



Kalei Jennings Senior Scientist

817-683-2503 **Ensolum, LLC**

From: <u>Buchanan, Michael, EMNRD</u>

To: <u>Kalei Jennings</u>; <u>Enviro, OCD, EMNRD</u>; <u>Velez, Nelson, EMNRD</u>

Cc: <u>Aimee Cole</u>

Subject: RE: [EXTERNAL] Maverick- Sampling Notification (Week of 7/3/2023)

Date: Monday, July 3, 2023 1:01:25 PM

Attachments: <u>image005.jpg</u>

image006.png image007.png image008.png image009.png

[**EXTERNAL EMAIL**]

Good afternoon,

Thank you for the notification. Please include a copy of this and all notifications in the C-141, remedial and/or closure reports to ensure the notifications are documented in the project file.

Regards,

Mike Buchanan • Environmental Specialist

Environmental Bureau EMNRD - Oil Conservation Division 8801 Horizon Blvd. NE | Albuquerque, NM 87113

| michael.buchanan@emnrd.nm.gov http://www.emnrd.nm.gov/ocd



From: Kalei Jennings <kjennings@ensolum.com>

Sent: Monday, July 3, 2023 1:14 PM

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

Cc: Aimee Cole <acole@ensolum.com>

Subject: [EXTERNAL] Maverick- Sampling Notification (Week of 7/3/2023)

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

All,

Maverick Permian, LLC plans to complete sampling activities at the following site the week of July 3, 2023.

- MCA 204 / NAPP2311751602
 - Sampling Date: 7/6/2023 & 7/7/2023

MCA #1 South Transfer Line / NAPP2314650185

- Sampling Date: 7/6/2023
- EVGSAU 2437-001 / NAPP2303273838
 - Sampling Date: 7/6/2023

Thank you,



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



APPENDIX H Final C-141 District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

Responsible Party: Maverick Permian, LLC

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	NAPP2303273838
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

OGRID: 331199

Contact Name: Bryce Wagoner				Contact Telephone: 928-241-1862				
Contact email: Bryce.Wagoner@mavresources.com					Incident #	ncident # (assigned by OCD) NAPP2303273838		
Contact mail 1410 NW Co		Hobbs, NM 88240						
			Location	n of R	elease S	ource		
Latitude 32.8	16832		(NAD 83 in d		Longitude rees to 5 decir	-103.50601 <u>8</u> nal places)		
Site Name E	VGSAU 243	37-001			Site Type			
Date Release	Discovered	January 10, 2023			API# (if app	plicable)		
Unit Letter	Section	Township	Range		Cour	nty	7	
P	24	17S	34E	Lea	ì			
Crude Oi		l(s) Released (Select al Volume Release		ch calculati		justification for the	e volumes provided below) overed (bbls) 0	
					Volume Recovered (bbls) 0 Volume Recovered (bbls) 0			
Produced	water	Volume Release Is the concentrat			in the	Yolulle Reco	, ,	
		produced water		cmoride	in the	☐ res ☐ r	NO	
Condensa	ite	Volume Release	d (bbls)			Volume Reco	overed (bbls)	
Natural G	ias	Volume Release	d (Mcf)			Volume Recovered (Mcf)		
Other (de	scribe)	Volume/Weight	Released (provid	de units)		Volume/Wei	ght Recovered (provide units)	
Cause of Rel		y internal corrosio	n on a flow line.	. The rele	ease occurre	ed off pad. The s	source of the release has been stopped	

Received by OCD: 7/13/2023 8:10:30 PM Form C-141 State of New Mexico Oil Conservation Division Page 2

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nt ID	NAPP2303273838	

Incident ID	NAPP2303273838
District RP	
Facility ID	
Application ID	

Was this a major release as defined by	If YES, for what reason(s) does the responsible party consider this a major release?
19.15.29.7(A) NMAC?	
☐ Yes ⊠ No	
If VES, was immediate no	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
ii 125, was ininediate no	when and by what means (phone, email, etc).
	Initial Response
The responsible p	party must undertake the following actions immediately unless they could create a safety hazard that would result in injury
☐ The source of the rele	ase has been stopped.
The impacted area has	s been secured to protect human health and the environment.
Released materials ha	we been contained via the use of berms or dikes, absorbent pads, or other containment devices.
All free liquids and re	ecoverable materials have been removed and managed appropriately.
If all the actions described	l above have <u>not</u> been undertaken, explain why:
has begun, please attach a	AC the responsible party may commence remediation immediately after discovery of a release. If remediation an arrative of actions to date. If remedial efforts have been successfully completed or if the release occurrent area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
regulations all operators are a public health or the environm failed to adequately investigations.	rmation given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and required to report and/or file certain release notifications and perform corrective actions for releases which may endanger nent. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have ate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In f a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws
Printed Name:Bryce	Wagoner Title:Permian HSE Specialist II
Signature:	# Wagoner Title:Permian HSE Specialist II Date:1/19/2023
email:Bryce.Wago	ner@mavresources.com Telephone:928-241-1862
ocn o I	
OCD Only	
Received by:	Date:

NAPP2303273838

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

				Sul	surface Fluids	3				
	Length (ft.)	Width (ft.)	Depth (in.)	Saturation (%) *10% in consolidated sediments after rain to 50% in sand with no precipitation	Oil-Water Ratio (%)	Area (ft ²)	Volume (bbl.)	Estimated Volume in Subsurface (bbl.)	Volume of Oil in Subsurface (bbl.)	Volume of Water in Subsurface (bbl.)
Rectangle A	50.0	50.0	0.8	0.3	0.30	2500.0	29.7	8.9	2.67	6.2
Rectangle B						0.0	0.0	0.0	0.00	0.0
Rectangle C						0.0	0.0	0.0	0.00	0.0
Rectangle D						0.0	0.0	0.0	0.00	0.0
Rectangle E						0.0	0.0	0.0	0.00	0.0
Rectangle F						0.0	0.0	0.0	0.00	0.0
Rectangle G						0.0	0.0	0.0	0.00	0.0
Rectangle H						0.0	0.0	0.0	0.00	0.0
Rectangle I						0.0	0.0	0.0	0.00	0.0
Rectangle J						0.0	0.0	0.0	0.00	0.0
	Total Volume (bbls)					ume (bbls):	8.90	2.67	6.23	

TOTAL RELEASE VOLUME (bbls)): 8.9
-----------------------------	--------

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Incident ID	NAPP2303273838
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>51-100</u> (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ⊠ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ⊠ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ⊠ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ⊠ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ⊠ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	⊠ Yes □ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ⊠ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ⊠ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ⊠ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ⊠ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ⊠ No
Did the release impact areas not on an exploration, development, production, or storage site?	⊠ Yes □ No
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil
Characterization Report Checklist: Each of the following items must be included in the report.	
 Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wel Field data Data table of soil contaminant concentration data Depth to water determination 	ls.
Deput to water determination Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release	

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

Photographs including date and GIS information

Laboratory data including chain of custody

Boring or excavation logs

Topographic/Aerial maps

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	1 180 100 0) 1
Incident ID	NAPP2303273838
District RP	
Facility ID	
Application ID	

	otifications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have reat to groundwater, surface water, human health or the environment. In
Printed Name: Bryce Wagoner	Title: Permian HSE Specialist II
Signature: Signature:	Date:07/13/2023
email: Bryce.Wagoner@mavresources.com	Telephone: 928-241-1862
OCD Only	
Received by: Shelly Wells	Date: 7/14/2023

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Incident ID	NAPP2303273838
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.
 Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation points Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)
<u>Deferral Requests Only</u> : Each of the following items must be confirmed as part of any request for deferral of remediation.
Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
Extents of contamination must be fully delineated.
Contamination does not cause an imminent risk to human health, the environment, or groundwater.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. Printed Name: Bryce Wagoner Title: Permian HSE Specialist II Date: 07/13/2023 Telephone: 928-241-1862
OCD Only
Received by: Shelly Wells Date: 7/14/2023 Approved
Signature: Nelson Velez Date: 10/04/2023
Remediation plan approved as written. Remediation Due date updated to January 2, 2024.

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

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

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 240131

CONDITIONS

Operator:	OGRID:
Maverick Permian LLC	331199
1000 Main Street, Suite 2900	Action Number:
Houston, TX 77002	240131
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created	Condition	Condition
Ву		Date
nvelez	Remediation plan approved as written. Remediation Due date updated to January 2, 2024.	10/4/2023