

August 10, 2022

District 1 New Mexico Oil Conservation Division 1625 N. French Dr. Hobbs. New Mexico 88240

Re: Closure Request Addendum

MCA 330

Incident Number NAPP2201136360

Lea County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Maverick Natural Resources, LLC (Maverick), has prepared the following addendum to a Closure Request submitted on July 13, 2022, for the MCA 330 (Site; Figure 1). This Addendum provides an update to the excavation and soil sampling activities completed at the Site, in response to the denial by the New Mexico Oil Conservation Division (NMOCD) of a previously submitted Closure Request. In the denial, NMOCD expressed concern that the depth to groundwater has not been adequately determined. NMOCD requested that Maverick conduct additional investigation of depth to groundwater or complete additional remediation activities in the areas of floor samples FS01 and FS02. Based on the additional excavation activities performed at the Site and laboratory analytical results from the soil sampling events, Maverick is submitting this Closure Request, describing remediation that has occurred and requesting closure for Incident Number NAPP2201136360.

BACKGROUND

The Site is located in Unit N, Section 23, Township 17 South, Range 32 East, in Lea County, New Mexico (32.816301° N, 103.741083°W) and is associated with oil and gas exploration and production operations on Bureau of Land Management (BLM) Federal Land.

On January 4, 2022, a flowline malfunctioned, and resulted in a release of approximately 12.16 barrels (bbls) of produced water and 3.04 bbls of crude oil onto the surrounding pasture. A vacuum truck was immediately dispatched to the Site to recover free-standing fluids; approximately 3.2 bbls of produced water and 0.08 bbls of crude oil were recovered. The previous operator (ConocoPhillips Company) reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Release Notification Form C-141 (Form C-141) on January 19, 2022. The release was assigned Incident Number NAPP2201136360.

A Closure Request detailing site characterization according to Table 1, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC) was included in a previously submitted closure request. Based on the site characterization, the following the Closure Criteria were applied:

Benzene: 10 milligrams per kilogram (mg/kg)

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants
601 North Marienfeld Street | Midland, TX 79701 | ensolum.com
Texas PG Firm No. 50588 | Texas PE Firm No. F-21843



- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH)- gasoline range organice (GRO) and TPH-diesel range organics (DRO): 1,000 mg/kg

TPH: 2,500 mg/kg

• Chloride: 10,000 mg/kg

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

Site assessment and excavation activities were conducted at the Site and closure was requested based on laboratory analytical results for the excavation floor confirmation soil samples indicating benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Site Closure Criteria. Laboratory analytical results for the excavation sidewall confirmation soil samples indicated benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations in the top four feet of the subsurface were compliant with the Site Closure Criteria and compliant with the reclamation standard. Additionally, the release was laterally delineated to the most stringent Table 1 Closure Criteria.

On July 13, 2022, NMOCD denied the Closure Request for Incident Number NAPP2201136360 for the following reasons:

• "The depth to groundwater has not been adequately determined. When nearby wells are used to determine depth to groundwater, the wells should be no further than ½ mile away from the site, and the data should be no more than 25 years old, and the well construction information should be provided in the submission. The responsible party may choose to remediate to the most stringent levels listed in Table 1 of 19.15.19 NMAC in lieu of drilling to determine the depth to groundwater. Based on the DTW criteria you are not vertically delineated at FS01 or FS02. Please submit a revised closure report to the OCD portal by August 15, 2022."

ADDITIONAL EXCAVATION ACTIVITIES

To address the denial, Ensolum personnel returned to the Site on July 14, 2022, to oversee excavation activities to remove additional soil from the floor of the excavation in the areas around floor samples FS01 and FS02. To direct excavation activities, soil was field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. The excavation was completed to a depth of 4.5 feet bgs. Upon completion of excavation activities, 5-point composite soil samples FS01A and FS02A were collected from the floor of the excavation from a depth of 4.5 feet bgs.

The excavation soil samples were transported at or below 4 degrees Celsius (°C) under strict chain-of-custody (COC) procedures to Eurofins Laboratories (Eurofins) in Carlsbad, New Mexico, for analysis of BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0. The excavation extent and excavation soil sample locations are depicted on Figure 2. Photographic documentation was conducted during excavation activities and photos are included in Appendix A.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for floor samples FS01A and FS02A indicated benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Site Closure Criteria and



compliant with the most stringent Table 1 Closure Criteria. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical report is included as Appendix B.

CLOSURE REQUEST

Site assessment and excavation activities were conducted at the Site to address the January 4, 2022, release of produced water and crude oil. Laboratory analytical results for the excavation soil samples, collected from the final excavation extent, indicated benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Site Closure Criteria and compliant with the most stringent Table 1 Closure Criteria. Based on the final excavation soil sample laboratory analytical results, Maverick respectfully request NFA for Incident Number NAPP2201136360. The Final C-141 is included in Appendix C and required NMOCD communications are included as Appendix D.

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

Sincerely,

Ensolum, LLC

Kalei Jennings Senior Scientist Ashley Ager, P. G. Program Director

ashley L. ager

cc: Thomas Haigood, Maverick Natural Resources

Bureau of Land Management

Appendices:

Figure 1 Site Receptor Map

Figure 2 Excavation Soil Sample Locations
Table 1 Soil Sample Analytical Results

Appendix A Photographic Log

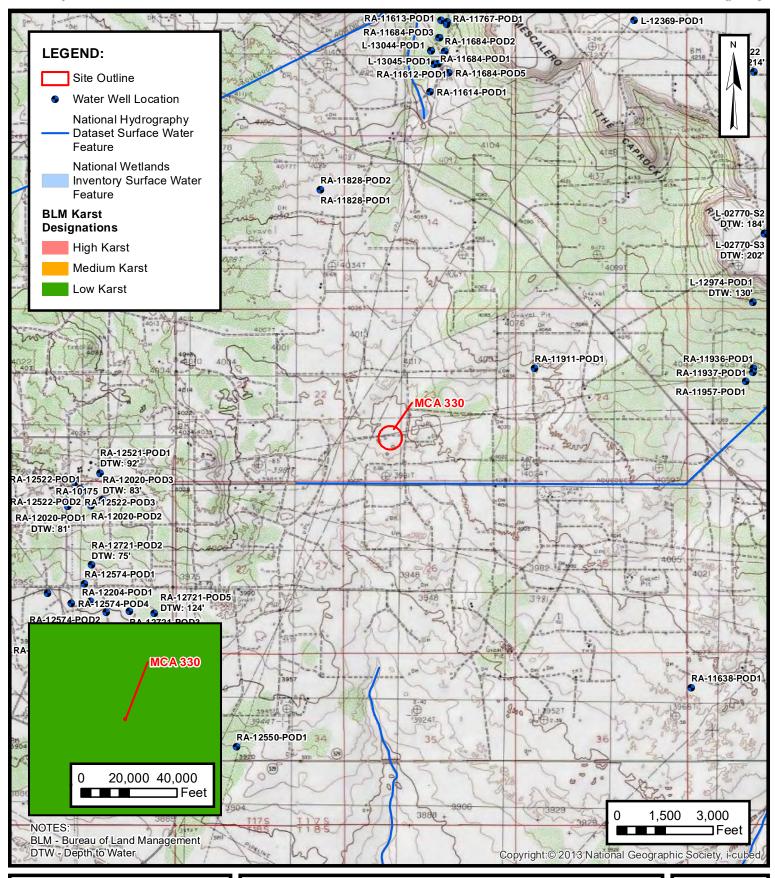
Appendix B Laboratory Analytical Reports & Chain-of-Custody Documentation

Appendix C Final C-141

Appendix D NMOCD Notifications



FIGURES



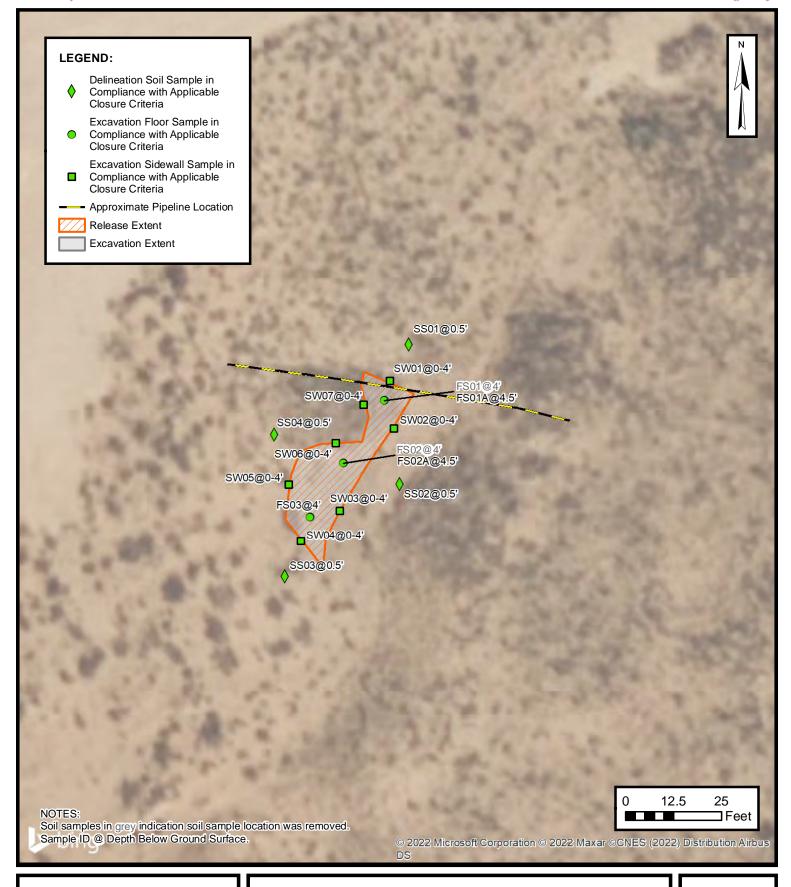


SITE RECEPTOR MAP

MAVERICK NATURAL RESOURCES, LLC
MCA 330
NAPP2201136360
Unit N, Sec 23, T17S, R32E
Lea County, New Mexico

FIGURE

1





EXCAVATION SOIL SAMPLE LOCATIONS

MAVERICK NATURAL RESOURCES, LLC
MCA 330
NAPP2201136360
Unit N, Sec 23, T17S, R32E
Lea County, New Mexico

FIGURE

2



TABLES

Received by OCD: 8/11/2022 9:40:39 AM



TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS MCA 330

Maverick Natural Resources, LLC Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 (Closure Criteria (N	IMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	10,000
				Delin	eation Soil Sample	S				
SS01	06/23/2022	0.5	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	11.0*
SS02	06/23/2022	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	20.7*
SS03	06/23/2022	0.5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	10.8*
SS04	06/23/2022	0.5	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	18.8*
Excavation Floor Soil Samples										
FS01	06/23/2022	4.0	<0.00201	0.148	<50.0	188	65.9	188	254	160
FS01A	07/14/2022	4.5	<0.00199	<0.00398	<15.0	<15.0	<15.0	<15.0	<15.0	324
FS02	06/28/2022	4.0	< 0.0401	<0.0802	<50.0	903	129	903	1,030	179
FS02A	07/14/2022	4.5	<0.00200	<0.00399	<15.0	<15.0	<15.0	<15.0	<15.0	392
FS03	06/28/2022	4.0	<0.00201	0.0136	<50.0	55.8	<50.0	55.8	55.8	63.6
				Excavatio	n Sidewall Soil Sar	nples				
SW01	06/28/2022	0-4	<0.00200	<0.00399	<50.0	39.3	51.1	39.3	90.4	5.03*
SW02	06/28/2022	0-4	<0.00199	<0.00398	<50.0	<50.0	50.5	<50.0	50.5	83.0*
SW03	06/28/2022	0-4	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	11.4*
SW04	06/28/2022	0-4	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	8.70*
SW05	06/28/2022	0-4	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	11.1*
SW06	06/28/2022	0-4	<0.0200	<0.0401	<50.0	25.5	67.3	25.5	92.8	8.95*
SW07	06/28/2022	0-4	<0.00201	<0.00402	<50.0	40.6	49.9	40.6	90.5	8.72*

Notes:

bgs: below ground surface

BTEX: Benzene, Toluene, Ethylbenzene, and Total Xylenes

DRO: Diesel Range Organics

I.D: Identification

mg/kg: milligrams per kilogram

GRO - gasoline range organics

NMOCD: New Mexico Oil Conservation Division

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

* indicates sample was collected in area to be reclaimed after remediation is complete; the reclamation criteria applies to these samples

Concentrations in $\operatorname{\boldsymbol{bold}}$ represent samples that exceed the applicable standard

Gray text represent sample locations that have been excavated

Ensolum 1 of 1



APPENDIX A

Photographic Log



Photographic Log

Maverick Natural Resources, LLC MCA 330 Incident Number NAPP2201136360



Photograph 1

Date: June 28, 2022

Description: View of release area during excavation activities.



Photograph 2

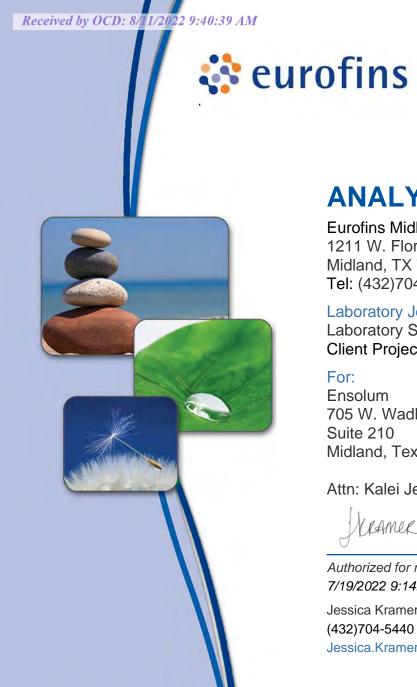
Date: June 28, 2022

Description: View of release area during excavation activities.



APPENDIX B

Laboratory Analytical Reports



.....LINKS

Review your project results through

EOL

Have a Question?

www.eurofinsus.com/Env

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Visit us at:

Environment Testing America

ANALYTICAL REPORT

Eurofins Midland 1211 W. Florida Ave Midland, TX 79701 Tel: (432)704-5440

Laboratory Job ID: 880-16984-1

Laboratory Sample Delivery Group: 32.816301, -103.741083

Client Project/Site: MCA 330

For:

Ensolum 705 W. Wadley Suite 210 Midland, Texas 79701

Attn: Kalei Jennings

RAMER

Authorized for release by: 7/19/2022 9:14:50 AM

Jessica Kramer, Project Manager (432)704-5440

Jessica.Kramer@et.eurofinsus.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten

Results relate only to the items tested and the sample(s) as received by the laboratory.

 Client: Ensolum
 Laboratory Job ID: 880-16984-1

 Project/Site: MCA 330
 SDG: 32.816301, -103.741083

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Definitions/Glossary

Client: Ensolum Job ID: 880-16984-1
Project/Site: MCA 330 SDG: 32.816301, -103.741083

2

Qualifiers

GC VOA

Qualifier Qualifier Description

U Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier Qualifier Description

U Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier Qualifier Description

U Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Eisted under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery
CFL Contains Free Liquid
CFU Colony Forming Unit
CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

TNTC Too Numerous To Count

Case Narrative

 Client: Ensolum
 Job ID: 880-16984-1

 Project/Site: MCA 330
 SDG: 32.816301, -103.741083

Job ID: 880-16984-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-16984-1

Receipt

The samples were received on 7/15/2022 3:07 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 0.4°C

GC VOA

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: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-29867 and analytical batch 880-29786 was outside control limits. Sample non-homogeneity is suspected.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-29855 and analytical batch 880-29880 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.

3

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1 1

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13

14

Client: Ensolum Job ID: 880-16984-1 Project/Site: MCA 330 SDG: 32.816301, -103.741083

Client Sample ID: FS01A Lab Sample ID: 880-16984-1

Date Collected: 07/14/22 10:51 Matrix: Solid Date Received: 07/15/22 15:07

Sample Depth: 4.5

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/17/22 12:29	07/18/22 13:42	1
Toluene	< 0.00199	U	0.00199		mg/Kg		07/17/22 12:29	07/18/22 13:42	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		07/17/22 12:29	07/18/22 13:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/17/22 12:29	07/18/22 13:42	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		07/17/22 12:29	07/18/22 13:42	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/17/22 12:29	07/18/22 13:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				07/17/22 12:29	07/18/22 13:42	1
1,4-Difluorobenzene (Surr)	93		70 - 130				07/17/22 12:29	07/18/22 13:42	1
- Method: Total BTEX - Total B	ΓEX Calcula	tion							
Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/18/22 17:16	1
Method: 8015 NM - Diesel Rar	ngo Organic	e (DRO) (G	:C)						
Analyte	•	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9		49.9	15.0	mg/Kg			07/18/22 09:00	1
- -									
Method: 8015B NM - Diesel R	_		(GC)						
Analyte		Qualifier	RL		Unit	_ D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		07/15/22 16:00	07/16/22 00:22	1
Discal Banga Organica (Over	<49.9	U	49.9	15.0	mg/Kg		07/15/22 16:00	07/16/22 00:22	
Diesel Range Organics (Over C10-C28)			43.3	13.0	1119/119		0.7.0722 .0.00	07/10/22 00.22	1
	<49.9		49.9		mg/Kg			07/16/22 00:22	
C10-C28)		U							1
C10-C28) OII Range Organics (Over C28-C36)	<49.9	U	49.9				07/15/22 16:00	07/16/22 00:22	1 Dil Fac
C10-C28) Oll Range Organics (Over C28-C36) Surrogate	<49.9 %Recovery	U	49.9				07/15/22 16:00 Prepared 07/15/22 16:00	07/16/22 00:22 Analyzed	1 Dil Fac
C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	<49.9 %Recovery 90 104	U Qualifier	49.9 Limits 70 - 130 70 - 130				07/15/22 16:00 Prepared 07/15/22 16:00	07/16/22 00:22 Analyzed 07/16/22 00:22	1 Dil Fac
C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	<49.9 **Recovery 90 104 Chromatogra	U Qualifier	49.9 Limits 70 - 130 70 - 130			D	07/15/22 16:00 Prepared 07/15/22 16:00	07/16/22 00:22 Analyzed 07/16/22 00:22	1 Dil Fac

Client Sample ID: FS02A Lab Sample ID: 880-16984-2 Date Collected: 07/14/22 10:57 Matrix: Solid

Date Received: 07/15/22 15:07

Sample Depth: 4.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/17/22 12:29	07/18/22 14:08	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/17/22 12:29	07/18/22 14:08	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/17/22 12:29	07/18/22 14:08	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		07/17/22 12:29	07/18/22 14:08	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/17/22 12:29	07/18/22 14:08	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		07/17/22 12:29	07/18/22 14:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			07/17/22 12:29	07/18/22 14:08	1

Matrix: Solid

Client Sample Results

Client: Ensolum Job ID: 880-16984-1 Project/Site: MCA 330 SDG: 32.816301, -103.741083

Lab Sample ID: 880-16984-2

Client Sample ID: FS02A Date Collected: 07/14/22 10:57 Date Received: 07/15/22 15:07

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

Sample Depth: 4.5

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	91		70 - 130				07/17/22 12:29	07/18/22 14:08	1
Method: Total BTEX - Total	al BTEX Calcula	tion							
Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/18/22 17:16	1
Method: 8015 NM - Diesel Analyte	•	s (DRO) (G Qualifier	C)		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	15.0	mg/Kg			07/18/22 09:00	1
Method: 8015B NM - Dies	el Range Organi	ics (DRO) ((GC)						
MECHOU. OU 13D MM - DIES									
Analyte	•	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		07/15/22 16:00	07/16/22 00:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		07/15/22 16:00	07/16/22 00:43	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		07/15/22 16:00	07/16/22 00:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				07/15/22 16:00	07/16/22 00:43	1
o-Terphenyl	113		70 - 130				07/15/22 16:00	07/16/22 00:43	1

Method: 300.0 - Anions, Ion Cl	nromatography - Solubl	le					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	392	4.96	mg/Kg			07/16/22 12:14	1

Surrogate Summary

Client: Ensolum Job ID: 880-16984-1 Project/Site: MCA 330 SDG: 32.816301, -103.741083

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

			Perc
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-16984-1	FS01A	102	93
880-16984-1 MS	FS01A	113	104
880-16984-1 MSD	FS01A	111	88
880-16984-2	FS02A	117	91
LCS 880-29886/1-A	Lab Control Sample	100	103
LCSD 880-29886/2-A	Lab Control Sample Dup	90	87
MB 880-29886/5-A	Method Blank	79	88
B 880-29886/5-A Surrogate Legend	Method Blank	79	88

BFB = 4-Bromofluorobenzene (Surr) DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

			Percent	Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-16984-1	FS01A	90	104	
880-16984-2	FS02A	98	113	
890-2557-A-1-D MS	Matrix Spike	82	90	
890-2557-A-1-E MSD	Matrix Spike Duplicate	83	91	
LCS 880-29867/2-A	Lab Control Sample	111	127	
LCSD 880-29867/3-A	Lab Control Sample Dup	93	104	
MB 880-29867/1-A	Method Blank	101	121	

Surrogate Legend

1CO = 1-Chlorooctane OTPH = o-Terphenyl

Client: Ensolum Job ID: 880-16984-1 Project/Site: MCA 330 SDG: 32.816301, -103.741083

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-29886/5-A

Matrix: Solid

Analysis Batch: 29895

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29886

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000400	U	0.000400	mg/Kg		07/17/22 12:29	07/18/22 13:14	1
Toluene	<0.000400	U	0.000400	mg/Kg		07/17/22 12:29	07/18/22 13:14	1
Ethylbenzene	<0.000400	U	0.000400	mg/Kg		07/17/22 12:29	07/18/22 13:14	1
m-Xylene & p-Xylene	<0.00800	U	0.000800	mg/Kg		07/17/22 12:29	07/18/22 13:14	1
o-Xylene	<0.000400	U	0.000400	mg/Kg		07/17/22 12:29	07/18/22 13:14	1
Xylenes, Total	<0.000800	U	0.000800	mg/Kg		07/17/22 12:29	07/18/22 13:14	1

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79	70 - 130	07/17/22 12:29	07/18/22 13:14	1
1,4-Difluorobenzene (Surr)	88	70 - 130	07/17/22 12:29	07/18/22 13:14	1

Lab Sample ID: LCS 880-29886/1-A

Matrix: Solid

Analysis Batch: 29895

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 29886

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 70 - 130 0.1136 mg/Kg 114 Toluene 0.100 0.09979 mg/Kg 70 - 130 100 Ethylbenzene 0.100 0.1044 mg/Kg 104 70 - 130 0.200 103 m-Xylene & p-Xylene 0.2057 mg/Kg 70 - 130 o-Xylene 0.100 0.1101 mg/Kg 110 70 - 130

LCS LCS

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

Lab Sample ID: LCSD 880-29886/2-A

Matrix: Solid

Analysis Batch: 29895

Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Prep Batch: 29886

Spike LCSD LCSD %Rec **RPD** Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit Benzene 0.100 0.08653 mg/Kg 87 70 - 130 27 35 Toluene 0.100 0.08126 mg/Kg 81 70 - 130 20 35 Ethylbenzene 0.100 0.08703 mg/Kg 87 70 - 130 18 35 m-Xylene & p-Xylene 0.200 0.1740 mg/Kg 87 70 - 130 35 17 0.100 0.09271 93 70 - 130 35 o-Xylene mg/Kg

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		70 - 130
1,4-Difluorobenzene (Surr)	87		70 - 130

Lab Sample ID: 880-16984-1 MS

Matrix: Solid

Analysis Batch: 29895

Client Sample ID: FS01A **Prep Type: Total/NA**

Prep Batch: 29886

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00199	U	0.101	0.09726		mg/Kg	_	96	70 - 130	
Toluene	<0.00199	U	0.101	0.1008		mg/Kg		100	70 - 130	

Eurofins Midland

Page 8 of 18

Client: Ensolum Job ID: 880-16984-1 Project/Site: MCA 330 SDG: 32.816301, -103.741083

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

Lab Sample ID: 880-16984-1 MS Client Sample ID: FS01A Prep Type: Total/NA

Matrix: Solid

Prep Batch: 29886 **Analysis Batch: 29895**

	Sample Sa	mple Spike	e MS	MS			%Rec	
Analyte	Result Qu	ıalifier Added	d Result	Qualifier	Unit I	O %Rec	Limits	
Ethylbenzene <	0.00199 U	0.10	0.1073		mg/Kg	106	70 - 130	
m-Xylene & p-Xylene <	0.00398 U	0.20	0.2096		mg/Kg	104	70 - 130	
o-Xylene <	0.00199 U	0.10	0.1131		mg/Kg	112	70 - 130	

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 880-16984-	1 MSD							CII	ent Samp	ie iu: F	SUIA	
Matrix: Solid									Prep Ty	pe: Tot	al/NA	
Analysis Batch: 29895									Prep I	Batch: 2	29886	
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	

<0.00199 U 0.101 0.09709 70 - 130 35 Benzene mg/Kg 97 0 Toluene <0.00199 U 0.101 0.09884 98 70 - 130 35 mg/Kg 2 Ethylbenzene <0.00199 U 0.101 0.1031 mg/Kg 102 70 - 130 35 m-Xylene & p-Xylene <0.00398 U 0.201 0.2037 mg/Kg 101 70 - 130 35 o-Xylene <0.00199 U 0.101 0.1081 mg/Kg 107 70 - 130

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

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

Lab Sample ID: MB 880-29867/1-A **Client Sample ID: Method Blank Matrix: Solid** Prep Type: Total/NA Prep Batch: 29867

Analysis Batch: 29786

	MB	MB							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0 mg/Kg		07/15/22 14:19	07/15/22 20:28	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0 mg/Kg		07/15/22 14:19	07/15/22 20:28	1	
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0 mg/Kg		07/15/22 14:19	07/15/22 20:28	1	

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared Analyzed	Dil Fac
1-Chlorooctane	101	70 - 130	07/15/22 14:19 07/15/22 20:28	1
o-Terphenyl	121	70 - 130	07/15/22 14:19 07/15/22 20:28	1

Lab Sample ID: LCS 880-29867/2-A

Released to Imaging: 8/15/2022 11:27:21 AM

Analysis Batch: 29786								ch: 29867
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	1000	976.0		mg/Kg		98	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	996.5		mg/Kg		100	70 - 130	

Eurofins Midland

Client Sample ID: Lab Control Sample

Client: Ensolum Job ID: 880-16984-1 SDG: 32.816301, -103.741083 Project/Site: MCA 330

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

Lab Sample ID: LCS 880-29867/2-A **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Solid Analysis Batch: 29786 Prep Batch: 29867

LCS LCS %Recovery Qualifier Surrogate Limits 1-Chlorooctane 111 70 - 130 o-Terphenyl 127 70 - 130

Client Sample ID: Lab Control Sample Dup Lab Sample ID: LCSD 880-29867/3-A

Matrix: Solid

Prep Type: Total/NA Analysis Batch: 29786

Prep Batch: 29867

Client Sample ID: Lab Control Sample

Prep Type: Soluble

LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Gasoline Range Organics 1000 997.8 mg/Kg 100 70 - 130 2 20 (GRO)-C6-C10 Diesel Range Organics (Over 1000 867.3 mg/Kg 87 70 - 130 14 20 C10-C28)

LCSD LCSD

%Recovery Qualifier Surrogate Limits 1-Chlorooctane 93 70 - 130 104 70 - 130 o-Terphenyl

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-29855/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 29880

MB MB

RL Unit Analyte Result Qualifier Prepared Analyzed Dil Fac Chloride 5.00 07/16/22 08:18 <5.00 U mg/Kg

Lab Sample ID: LCS 880-29855/2-A

Matrix: Solid

Analysis Batch: 29880

Spike LCS LCS %Rec Analyte Added Result Qualifier %Rec Limits Unit 250 265.4 106 Chloride mg/Kg 90 - 110

Lab Sample ID: LCSD 880-29855/3-A Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 29880

Spike LCSD LCSD %Rec **RPD** Added Result Qualifier Limits RPD Analyte Unit %Rec Limit Chloride 250 265.9 mg/Kg 106 90 - 110 0 20

QC Association Summary

 Client: Ensolum
 Job ID: 880-16984-1

 Project/Site: MCA 330
 SDG: 32.816301, -103.741083

GC VOA

Prep Batch: 29886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16984-1	FS01A	Total/NA	Solid	5035	
880-16984-2	FS02A	Total/NA	Solid	5035	
MB 880-29886/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-29886/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-29886/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-16984-1 MS	FS01A	Total/NA	Solid	5035	
880-16984-1 MSD	FS01A	Total/NA	Solid	5035	

Analysis Batch: 29895

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16984-1	FS01A	Total/NA	Solid	8021B	29886
880-16984-2	FS02A	Total/NA	Solid	8021B	29886
MB 880-29886/5-A	Method Blank	Total/NA	Solid	8021B	29886
LCS 880-29886/1-A	Lab Control Sample	Total/NA	Solid	8021B	29886
LCSD 880-29886/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	29886
880-16984-1 MS	FS01A	Total/NA	Solid	8021B	29886
880-16984-1 MSD	FS01A	Total/NA	Solid	8021B	29886

Analysis Batch: 30006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16984-1	FS01A	Total/NA	Solid	Total BTEX	
880-16984-2	FS02A	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 29786

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16984-1	FS01A	Total/NA	Solid	8015B NM	29867
880-16984-2	FS02A	Total/NA	Solid	8015B NM	29867
MB 880-29867/1-A	Method Blank	Total/NA	Solid	8015B NM	29867
LCS 880-29867/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	29867
LCSD 880-29867/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	29867

Prep Batch: 29867

Lab Sample ID 880-16984-1	Client Sample ID FS01A	Prep Type Total/NA	Matrix Solid	Method 8015NM Prep	Prep Batch
880-16984-2	FS02A	Total/NA	Solid	8015NM Prep	
MB 880-29867/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-29867/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-29867/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 29906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16984-1	FS01A	Total/NA	Solid	8015 NM	
880-16984-2	FS02A	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 29855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16984-1	FS01A	Soluble	Solid	DI Leach	
880-16984-2	FS02A	Soluble	Solid	DI Leach	

Eurofins Midland

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QC Association Summary

 Client: Ensolum
 Job ID: 880-16984-1

 Project/Site: MCA 330
 SDG: 32.816301, -103.741083

HPLC/IC (Continued)

Leach Batch: 29855 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-29855/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-29855/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-29855/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 29880

Lab Sample ID 880-16984-1	Client Sample ID FS01A	Prep Type Soluble	Matrix Solid	Method 300.0	Prep Batch 29855
880-16984-2	FS02A	Soluble	Solid	300.0	29855
MB 880-29855/1-A	Method Blank	Soluble	Solid	300.0	29855
LCS 880-29855/2-A	Lab Control Sample	Soluble	Solid	300.0	29855
LCSD 880-29855/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	29855

Eurofins Midland

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Lab Chronicle

 Client: Ensolum
 Job ID: 880-16984-1

 Project/Site: MCA 330
 SDG: 32.816301, -103.741083

Client Sample ID: FS01A

Date Collected: 07/14/22 10:51 Date Received: 07/15/22 15:07 Lab Sample ID: 880-16984-1

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			29886	07/17/22 12:29	EL	XEN MID
Total/NA	Analysis	8021B		1	29895	07/18/22 13:42	MR	XEN MID
Total/NA	Analysis	Total BTEX		1	30006	07/18/22 17:16	SM	XEN MID
Total/NA	Analysis	8015 NM		1	29906	07/18/22 09:00	SM	XEN MID
Total/NA	Prep	8015NM Prep			29867	07/15/22 16:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1	29786	07/16/22 00:22	SM	XEN MID
Soluble	Leach	DI Leach			29855	07/15/22 15:12	SMC	XEN MID
Soluble	Analysis	300.0		1	29880	07/16/22 12:06	CH	XEN MID

Client Sample ID: FS02A

Date Collected: 07/14/22 10:57

Lab Sample ID: 880-16984-2

Matrix: Solid

Date Received: 07/15/22 15:07

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			29886	07/17/22 12:29	EL	XEN MID
Total/NA	Analysis	8021B		1	29895	07/18/22 14:08	MR	XEN MID
Total/NA	Analysis	Total BTEX		1	30006	07/18/22 17:16	SM	XEN MID
Total/NA	Analysis	8015 NM		1	29906	07/18/22 09:00	SM	XEN MID
Total/NA	Prep	8015NM Prep			29867	07/15/22 16:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1	29786	07/16/22 00:43	SM	XEN MID
Soluble	Leach	DI Leach			29855	07/15/22 15:12	SMC	XEN MID
Soluble	Analysis	300.0		1	29880	07/16/22 12:14	CH	XEN MID

Laboratory References:

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

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Accreditation/Certification Summary

Client: Ensolum Job ID: 880-16984-1 Project/Site: MCA 330 SDG: 32.816301, -103.741083

Laboratory: Eurofins Midland

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

Authority Texas		rogram ELAP	T104704400-22-24	Expiration Date 06-30-23
The following analytes the agency does not do	•	ort, but the laboratory is r	not certified by the governing authority.	This list may include analytes for which
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	Total TPH	
Total BTEX		Solid	Total BTEX	

Method Summary

Client: Ensolum Job ID: 880-16984-1 Project/Site: MCA 330 SDG: 32.816301, -103.741083

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

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

Sample Summary

Client: Ensolum

Project/Site: MCA 330

Job ID: 880-16984-1

SDG: 32.816301, -103.741083

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-16984-1	FS01A	Solid	07/14/22 10:51	07/15/22 15:07	4.5
880-16984-2	FS02A	Solid	07/14/22 10:57	07/15/22 15:07	4.5

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Chain of Custody

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

Xenco Xenco		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: 16984	- 16207
Visit Transaction			www xenco com	Page I of I
CALE JENNINGS	Bill to (if different)	KALEI JENNINGS	Work Order Comments	mments
Ensolum, LLC	Company Name:		Program: UST/PST PRP Brownfields RC Line-fund	ds RC Inperfined
601 N Marienfeld Street, Suite 400	Address:		State of Project:	
Midland, TX 79701	City, State ZIP		Reporting Level IIM Level III PST/US	IIM Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
1200 - 817-1803-1503 E	Email KJENNING	KJENNINGS@EWOUM.UM	Deliverables EDD X ADaPT	Other:
MCH 330	Turn Around	ANALYSIS REQUEST	EQUEST	Preservative Corles
Ø3D2Ø57ØØ2 □ ROU	Routine X Rush Code			None NO DI Water H ₂ O
32.816301, -103.741083 Due Date: 3-DAY	late: 3-DAY		Cor	

Sampler's Name

Project Number

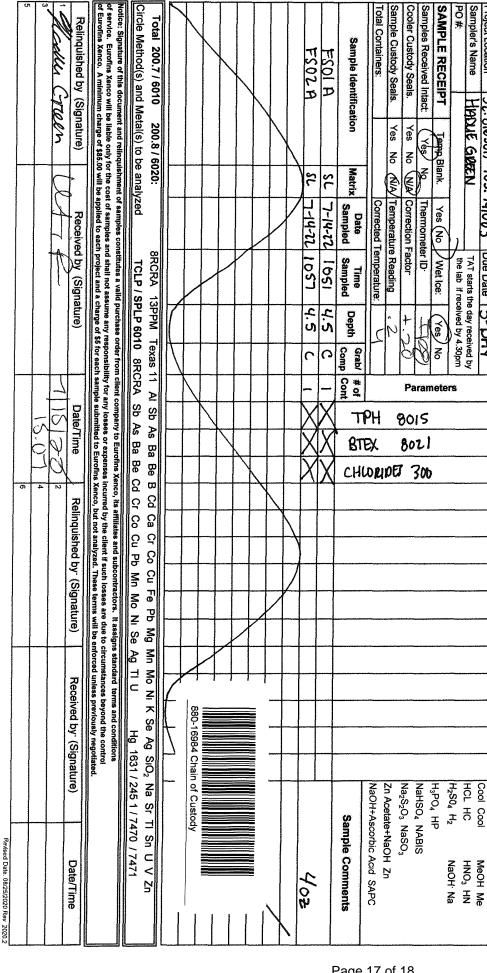
Project Name.

Phone. City, State ZIP

ddress.

60,1

Project Manager Company Name.



Login Sample Receipt Checklist

Client: Ensolum Job Number: 880-16984-1 SDG Number: 32.816301, -103.741083

List Source: Eurofins Midland

Login Number: 16984 List Number: 1

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	

Released to Imaging: 8/15/2022 11:27:21 AM



APPENDIX C

Final C-141

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

State of New Mexico Energy Minerals and Natural Resources Department

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party OGRI			OGRID				
Contact Nam	Contact Name Contact			Contact To	Геlephone		
Contact email			Incident #	(assigned by OCD	9)		
Contact mail	ing address			1			
			Location	of Release So	ource		
Latitude				Longitude			
			(NAD 83 in de	cimal degrees to 5 decir	nal places)		
Site Name				Site Type			
Date Release	Discovered			API# (if app	plicable)		
Unit Letter	Section	Township	Range	Cour	nty	7	
Crude Oi		l(s) Released (Select al Volume Release	ll that apply and attach	d Volume of l		e volumes provided below) overed (bbls)	
Produced	Water	Volume Release	ed (bbls)		Volume Recovered (bbls)		
		Is the concentrate produced water	tion of dissolved c >10,000 mg/l?	chloride in the	Yes No		
Condensa	nte	Volume Release			Volume Recovered (bbls)		
Natural G	Volume Released (Mcf)			Volume Recovered (Mcf)			
Other (de	escribe) Volume/Weight Released (provide units)		e units)	Volume/Weight Recovered (provide units)			
Cause of Rel	ease						

Received by OCD: 8/11/2022 9:40:39 MM State of New Mexico
Page 2 Oil Conservation Division

	P	ağ	e	3	2	0	6	43
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Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the resp	onsible party consider this a major release?
☐ Yes ☐ No		
If YES, was immediate no	otice given to the OCD? By whom? To v	whom? When and by what means (phone, email, etc)?
	Initial I	Response
The responsible p	party must undertake the following actions immedia	tely unless they could create a safety hazard that would result in injury
☐ The source of the rele	ease has been stopped.	
☐ The impacted area ha	s been secured to protect human health ar	d the environment.
Released materials ha	ive 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 a	and managed appropriately.
If all the actions described	d above have <u>not</u> been undertaken, explain	n why:
Dog 10 15 20 9 D (4) NM	(AC the regnerable nexts may commence	remediation immediately after discovery of a release. If remediation
has begun, please attach	a narrative of actions to date. If remedia	l efforts have been successfully completed or if the release occurred please attach all information needed for closure evaluation.
		e best of my knowledge and understand that pursuant to OCD rules and
public health or the environr failed to adequately investig	ment. The acceptance of a C-141 report by the ate and remediate contamination that pose a th	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 of responsibility for compliance with any other federal, state, or local laws
Printed Name	_	Title:
Signature:	tanifoparger _	Date:
email:		Telephone:
OCD Only		
Received by: Ramona M	Iarcus	Date:

				L48 Spill Volume	Estimate Form				
Received by OCD	: 8/11/2022 9	9:40:39 AM me & Number:	MCA 330 Well, Flow	vline Leak					Page 33 of 43
•		Asset Area:	Maljamar NAPP2201136360		8 8 77				
	R	Release Discovery Date & Time:	THE STREET STREET STREET						11,
		Release Type:	THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TW						
	Provide any	known details about the event:	Flowline leak comin	g from hammer union.					
				Spill Calculation - Subsu	rface Spill - Rectangle				
	Was	the release on pad or off-pad?			See reference table	e below			
Has	it rained at least a	a half inch in the last 24 hours?			See reference table	e below			
Convert Irregular shape nto a series of rectangles	Length (ft.)	Width (ft.)	Depth (in.)	Soil Spilled-Fluid Saturation	Estimated volume of each area (bbl.)	Total Estimated Volume of Spill (bbl.)	Percentage of Oil if Spilled Fluid is a Mixture	Total Estimated Volume of Spilled Oil (bbl.)	Total Estimated Volume of Spilled Liquid other than Oil (bbl.)
Rectangle A	10.0	15.0	5.00	15.32%	11.125	1.704	20.00%	0.341	1.363
Rectangle B	12.0	25.0	14.00	15.32%	62.300	9.544	20.00%	1.909	7.635
Rectangle C					0.000	0.000		0.000	0.000
Rectangle D					0.000	0.000		0.000	0.000
Rectangle E					0.000	0.000		0.000	0.000
Rectangle F					0.000	0.000		0.000	0.000
Rectangle G					0.000	0.000		0.000	0.000
Rectangle H					0.000	0.000		0.000	0.000
Rectangle I					0.000	0.000		0.000	0.000
Released to Imag	ing: 8/15/202	22 11:27:21PAM			0.000	0.000		0.000	0.000
					Total Volume Release:	11.249		2.250	8.999

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 73470

CONDITIONS

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	73470
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By		Condition Date
rmarcus	None	1/19/2022

	Page 35 of 4	43
Incident ID	NAPP2201136360	
District RP		
Facility ID		
Application ID		

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 20 days after the release discovery date.				
What is the shallowest depth to groundwater beneath the area affected by the release?	<u>50-100 (fe</u> et 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?	X Yes No			
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.				
Characterization Report Checklist: Each of the following items must be included in the report.				
Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring well Field data	ls.			

Characterization Report Checklist: Each of the following items must be included in the report.
Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
Field data
Data table of soil contaminant concentration data
Depth to water determination
☐ Boring or excavation logs
Photographs including date and GIS information
Topographic/Aerial maps
☐ Laboratory data including chain of custody

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

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State of New Mexico Oil Conservation Division

Incident ID	NAPP2201136360
District RP	
Facility ID	
Application ID	

regulations all operators are required to report and/or file certain public health or the environment. The acceptance of a C-141 re- failed to adequately investigate and remediate contamination that	release notifications and perform corrective actions for releases which may endanger port by the OCD does not relieve the operator of liability should their operations have at pose a threat to groundwater, surface water, human health or the environment. In experience of responsibility for compliance with any other federal, state, or local laws
Printed Name:Thomas Haigood	Title:HSE Specialist
Signature: 44	Date:8/15/2022
email: _Thomas.Haigood@mavresources.com	Telephone:432-523-1807
OCD Only	
Received by:	Date:

Form C-141 Page 6 State of New Mexico Oil Conservation Division

Incident ID	NAPP2201136360	
District RP		
Facility ID		
Application ID		

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: Each of the	e following items must be included in the closure report.
☐ A scaled site and sampling diagram as described	in 19.15.29.11 NMAC
Photographs of the remediated site prior to back must be notified 2 days prior to liner inspection)	fill or photos of the liner integrity if applicable (Note: appropriate OCD District office
Laboratory analyses of final sampling (Note: app	propriate ODC District office must be notified 2 days prior to final sampling)
☐ Description of remediation activities	
and regulations all operators are required to report and may endanger public health or the environment. The a should their operations have failed to adequately investuman health or the environment. In addition, OCD a compliance with any other federal, state, or local laws restore, reclaim, and re-vegetate the impacted surface accordance with 19.15.29.13 NMAC including notific Printed Name:Thomas Haigood	e and complete to the best of my knowledge and understand that pursuant to OCD rules for file certain release notifications and perform corrective actions for releases which acceptance of a C-141 report by the OCD does not relieve the operator of liability stigate and remediate contamination that pose a threat to groundwater, surface water, eceptance of a C-141 report does not relieve the operator of responsibility for and/or regulations. The responsible party acknowledges they must substantially area to the conditions that existed prior to the release or their final land use in ation to the OCD when reclamation and re-vegetation are complete.
OCD Only	
D : 11	Date:
Received by:	Date.
Closure approval by the OCD does not relieve the resp	onsible party of liability should their operations have failed to adequately investigate and vater, surface water, human health, or the environment nor does not relieve the responsible
Closure approval by the OCD does not relieve the resp remediate contamination that poses a threat to groundw	onsible party of liability should their operations have failed to adequately investigate and vater, surface water, human health, or the environment nor does not relieve the responsible cal laws and/or regulations.



APPENDIX D

NMOCD Notifications

From: Nobui, Jennifer, EMNRD

To: <u>Kalei Jennings</u>

Cc: Bratcher, Mike, EMNRD; Hamlet, Robert, EMNRD; Harimon, Jocelyn, EMNRD

Subject: FW: [EXTERNAL] COP- Sampling Notification (Week of 5/30/22-06/03/22)

Date: Thursday, May 26, 2022 9:15:40 AM

Attachments: <u>image001.png</u>

image002.png image003.png image004.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.

Thanks,

Jennifer Nobui

From: Enviro, OCD, EMNRD < OCD. Enviro@state.nm.us>

Sent: Thursday, May 26, 2022 8:06 AM

To: Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@state.nm.us>

Subject: Fw: [EXTERNAL] COP- Sampling Notification (Week of 5/30/22-06/03/22)

From: Kalei Jennings < <u>kiennings@ensolum.com</u>>

Sent: Wednesday, May 25, 2022 4:27 PM

To: Enviro, OCD, EMNRD < OCD. Enviro@state.nm.us >

<Rahul.Kaushik@conocophillips.com>

Subject: [EXTERNAL] COP- Sampling Notification (Week of 5/30/22-06/03/22)

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

All,

COP plans to complete final sampling activities at the following sites the week of May 30, 2022.

Monday

HOLIDAY

Tuesday

• VGEU 30-01 Flowline / NAPP2200643457

Wednesday

• VGEU 30-01 Flowline / NAPP2200643457

Thursday

• MCA 330 / NAPP2201136360

Friday

• MCA 330 / NAPP2201136360

Thank you,



From: <u>Nobui, Jennifer, EMNRD</u>

To: <u>Kalei Jennings</u>

Cc: Bratcher, Mike, EMNRD; Harimon, Jocelyn, EMNRD; Hamlet, Robert, EMNRD

Subject: FW: [EXTERNAL] Sampling Notification (Week of 06/20/22-06/24/22)

Date: Tuesday, June 21, 2022 12:04:02 PM

Attachments: <u>image001.png</u>

image002.png image003.png image004.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.

Thanks

Jennifer Nobui

From: Enviro, OCD, EMNRD < OCD. Enviro@state.nm.us>

Sent: Tuesday, June 21, 2022 8:34 AM

To: Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@state.nm.us>;

Bratcher, Mike, EMNRD < mike.bratcher@state.nm.us>

Subject: Fw: [EXTERNAL] Sampling Notification (Week of 06/20/22-06/24/22)

From: Kalei Jennings < <u>kiennings@ensolum.com</u>>

Sent: Tuesday, June 21, 2022 8:33 AM

To: Enviro, OCD, EMNRD < OCD. Enviro@state.nm.us >

Cc: Thomas Haigood < Thomas. Haigood@mavresources.com >

Subject: [EXTERNAL] Sampling Notification (Week of 06/20/22-06/24/22)

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

All,

Maverick Natural Resources plans to complete final sampling activities at the following sites the week of June 20, 2022.

Monday:

Tuesday:

Wednesday:

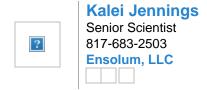
Thursday:

- MCA 330 / NAPP2201136360
- MCA 328 / NAPP2201143320

Friday:

• Hudson 001 / NAPP2201142906

Thank you,



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

CONDITIONS

Action 133066

CONDITIONS

Operator:	OGRID:
Maverick Permian LLC	331199
1111 Bagby Street Suite 1600	Action Number:
Houston, TX 77002	133066
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By		Condition Date
jnobui	Closure Approved.	8/15/2022