

July 1, 2022

District 1 New Mexico Oil Conservation Division 1625 North French Drive Hobbs, New Mexico 88240

Re: Closure Request MCA 328 Incident Number NAPP2201143320 Lea County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum) on behalf of Maverick Natural Resources, LLC (Maverick), has prepared this Closure Request to document site assessment, excavation, and soil sampling activities performed at the MCA 328 flow line release (Site). The purpose of the site assessment, excavation, and soil sampling activities was to address impacts to soil resulting from a release of crude oil and produced water within the pasture area at the Site. Based on the excavation activities and analytical results from the soil sampling events, Maverick is submitting this Closure Request, describing remediation that has occurred and requesting closure for Incident Number NAPP2201143320.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit N, Section 22, Township 17 South, Range 35 East, in Lea County, New Mexico (32.816111° N, 103.4475°W) and is associated with oil and gas exploration and production operations on New Mexico State Land.

On January 6, 2022, a casing vent malfunctioned due to freezing temperatures, and resulted in a flow line release of approximately 5.04 barrels (bbls) of produced water and 0.1 bbls of crude oil onto the surrounding pasture. A vacuum truck was immediately dispatched to the Site to recover free-standing fluids; however, there were no free-standing fluids to recover. 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 20, 2022. The release was assigned Incident Number NAPP2201143320.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

Depth to groundwater at the Site is estimated to be between 50 feet and 100 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth

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 Received by OCD: 7/7/2022 10:33:21 AM

MCA 328

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to groundwater data is New Mexico Office of the State Engineer (NMOSE) well RA-12521, located approximately 0.2 miles southwest of the Site. The groundwater well has a reported depth to groundwater of 92 feet bgs and a total depth of 105 feet bgs. All wells used for depth to groundwater determination are presented on Figure 1. The referenced well records are included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a freshwater pond, located approximately 2,532 feet southwest of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). 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)-gasoline range organics (GRO) and TPH-diesel range organics (DRO): 1,000 mg/kg
- TPH: 2,500 mg/kg
- Chloride: 10,000 mg/kg

A reclamation requirement of 600 mg/kg chloride and 100 mg/kg TPH 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 AND LABORATORY ANALYTICAL RESULTS

On June 28, 2022, Ensolum personnel were at the Site to oversee site assessment and excavation activities based on information provided on the Form C-141 and visible surface staining observed in the pasture release area. Four lateral delineation soil samples (SS01 through SS04) were collected around the visible release extent at a depth of 0.5 feet bgs to confirm the lateral extent of the release.

Stained soil was excavated from the release area as indicated by visible staining and field screening activities. Excavation activities were performed via hand shoveling and back-hoe. To direct excavation activities, soil was field screened for volatile aromatic hydrocarbons utilizing a calibrated photoionization detector (PID) and chloride using Hach[®] chloride QuanTab[®] test strips. The excavation was completed to depths ranging from 1-foot to 3 feet bgs. Photographic documentation is included in Appendix B.

Following removal of stained soil, 5-point composite soil samples were collected every 200 square feet from the floor and sidewalls of the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples FS01 through FS03 were collected from the floor of the excavation at depths ranging from 1-foot to 3 feet bgs. Due to the shallow 1-foot depth of the northern portion of the excavation, soil from the sidewalls was incorporated into the floor samples. Composite soil sample SW01 was collected from the sidewalls of the southern portion of the excavation from depths ranging from the ground surface to 3 feet bgs. The release extent, delineation soil sample locations, and excavation soil samples locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2.

MCA 328

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The delineation and excavation 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 (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 measured approximately 500 square feet in aerial extent. A total of approximately 40 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the R360 Disposal Facility in Hobbs, New Mexico. After completion of confirmation sampling, the excavation was secured with fencing.

Laboratory analytical results for excavation floor samples FS01 through FS03, excavation sidewall sample SW01, and lateral delineation soil samples SS01 through SS04 indicated benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Site Closure Criteria and compliant with the reclamation requirements. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included as Appendix C.

CLOSURE REQUEST

Site assessment and excavation activities were conducted at the Site to address the January 6, 2022, release of produced water and crude oil. Laboratory analytical results for the excavation soil samples indicated benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Site Closure Criteria and compliant with the reclamation requirements. Additionally, the release was laterally delineated to the most stringent Table 1 Closure Criteria. Based on the soil sample analytical results, no further remediation was required. Maverick will backfill the excavation with material purchased locally and recontoured the Site to match pre-existing site conditions. The disturbed pasture area will be re-seeded with an approved BLM seed mixture.

Excavation of impacted soil has mitigated impacts at this Site. Depth to groundwater has been estimated to be greater than 50 feet bgs and no sensitive receptors were identified near the release extent. Maverick believes these remedial actions are protective of human health, the environment, and groundwater and respectfully requests closure for Incident Number NAPP2201143320. The Final C-141 is included in 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

Jennings

Kalei Jennings Senior Scientist

Dan Moir Senior Managing Scientist

cc: Thomas Haigood, Maverick Natural Resources New Mexico State Land Office MCA 328

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Appendices:

Figure 1	Site Receptor Map
Figure 2	Excavation and Delineation Soil Sample Locations
Table 1	Soil Sample Analytical Results
Appendix A	Referenced Well Records
Appendix B	Photographic Log
Appendix C	Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix D	Final C-141
Appendix E	NMOCD Notifications

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FIGURES

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TABLES

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				Maverio	TABLE 1 PLE ANALYTIC/ MCA 328 Sk Natural Resource County, New Me	rces, LLC				
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 Cl	osure Criteria (NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	10,000
		•		De	lineation Soil Sam	ples	•		•	
SS01	06/28/2022	0.5	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	10.0*
SS02	06/28/2022	0.5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	14.7*
SS03	06/28/2022	0.5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	11.8*
SS04	06/28/2022	0.5	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	16.9*
				Excav	ation Floor Soil S	amples				
FS01	06/28/2022	1	<0.00200	<0.00401	<50.0	71.1	<50.0	71.1	71.1	21.8*
FS02	06/28/2022	1	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	<49.9	554*
FS03	06/28/2022	3	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	15.7*
				Excava	tion Sidewall Soil	Samples				
SW01	06/28/2022	0-3	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	199*

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

ORO: Oil Range Organics TPH: Total Petroleum Hydrocarbon

GRO: Gasoline Range Organics DRO: Diesel Range Organics

standard where applicable.

Concentrations in bold exceed the NMOCD Table 1 Closure Criteria or reclamation "* indicates sample was collected in area to be reclaimed after remediation is complete; reclamation standard for chloride in the top 4 feet is 600 mg/kg"



APPENDIX A

Referenced Well Records

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		Nei		ico Offico er Rig	•			0	r
തി	WR File Number:	RA 125	21	Subbasin:	RA	Cross Ref	erence:	-	
	Primary Purpose:	MON	MONITOR	ING WELL					
<u>get image list</u>	Primary Status:	PMT	PERMIT						
	Total Acres:			Subfile:	-			Header:	-
	Total Diversion:	0		Cause/Case	: -				
	Owner:	PHILLI	PS 66						
	Contact:	BECKY	HESSLEN						
Documents	s on File		<u> </u>						
	Trn # Doc File	/Act	Status 1 2	Transaction Desc		From/ To	Acres	Diversion	Consumptive
images get	609310 EXPL 2017-		PMT LOG	RA 12521 POD1		Т	0	0	
Current Po	x bints of Diversion		0	(1	NAD83 UTN	1 in meters)			
	Number Well 521 POD1			24Sec Tws Rng 4 21 17S 32E	X 615127	Y 3631271	Other I MW-24	Location De	5C

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.

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WATER RIGHT SUMMARY



New Mexico Office of the State Engineer Point of Diversion Summary

			` 1			=NE 3=S to larges	W 4=SE) t)	(NAD83 U	ΓM in meters)	
Well Tag	POD	Number	•••			c Tws	·	X	Y	
	RA	12521 POD1	3	3 4	4 21	17S	32E	615127	3631271 🧧	
x Driller Lic	ense:	1456	Drille	r Comp	oany:	WI	IITE DR	ILLING CO	OMPANY	
Driller Na	me:	WHITE, JOHN W								
Drill Start	Date:	07/21/2017	Drill I	Finish I	Date:	0	7/26/201	7 Plu	ıg Date:	
Log File D	ate:	08/22/2017	PCW	Rev Da	te:			So	urce:	Shallow
Ритр Тур	e:		Pipe I	Dischar	ge Siz	e:		Est	timated Yield:	
Casing Siz	æ:	2.00	Depth	Well:		1	05 feet	De	pth Water:	92 feet
х	Wate	er Bearing Stratifica	tions:	,	Гор	Botton	Descri	iption		
					85	101	Sandst	one/Gravel	/Conglomerate	
					101	105	5 Sandst	one/Gravel	/Conglomerate	
X		Casing Perfor	ations:	,	Гор	Botton	l			
					75	105	5			

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	(cooperator Access)	S	Site Information	\checkmark	United States	\checkmark	GO

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USGS 324954103420301 17S.33E.18.322332

Available data for this site SUMMARY OF ALL AVAILABLE DATA 🗸 🛛 GO

Well Site

DESCRIPTION:

Latitude 32°49'59", Longitude 103°42'15" NAD27 Lea County, New Mexico , Hydrologic Unit 13060011 Well depth: 220 feet Land surface altitude: 4,224.00 feet above NGVD29. Well completed in "High Plains aquifer" (N100HGHPLN) national aquifer. Well completed in "Ogallala Formation" (1210GLL) local aquifer

AVAILABLE DATA:

Data Type	Begin Date	End Date	Count
Field groundwater-level measurements	1961-03-13	1986-03-26	4
Revisions	Unavailable (site:0) (timese	eries:0)

OPERATION:

Record for this site is maintained by the USGS New Mexico Water Science Center Email questions about this site to <u>New Mexico Water Science Center Water-Data Inquiries</u>

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

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey

Title: NWIS Site Information for USA: Site Inventory URL: https://waterdata.usgs.gov/nwis/inventory?agency_code=USGS&site_no=324954103420301

Page Contact Information: <u>New Mexico Water Data Support Team</u> Page Last Modified: 2022-02-23 14:15:33 EST 0.26 0.25 caww02







APPENDIX B

Photographic Log

Photographic Log

Maverick Natural Resources MCA 328 Incident Number NAPP2201143320



Photograph 1 Date: June 28, 2022 Description: View of release area prior to excavation activities.

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Photograph 2 Date: June 28, 2022 Description: View of release area prior to excavation activities.





APPENDIX C

Laboratory Analytical Reports & Chain of Custody Documentation

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LINKS

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ANALYTICAL REPORT

Eurofins Carlsbad 1089 N Canal St. Carlsbad, NM 88220 Tel: (575)988-3199

Laboratory Job ID: 890-2482-1

Laboratory Sample Delivery Group: 0302057003 Client Project/Site: MCA 328

For:

Ensolum 705 W. Wadley Suite 210 Midland, Texas 79701

Attn: Kalei Jennings

RAMER

Authorized for release by: 6/30/2022 3:50:51 PM 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 signature.

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

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Certification Summary	16
Method Summary	17
Sample Summary	18
Chain of Custody	19
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	Definitions/Glossary		1
Client: Ensolum Project/Site: M0		Job ID: 890-2482-1 SDG: 0302057003	2
Qualifiers			3
GC VOA			
Qualifier	Qualifier Description		
F1	MS and/or MSD recovery exceeds control limits.		
U	Indicates the analyte was analyzed for but not detected.		5
GC Semi VOA			
Qualifier	Qualifier Description		
U	Indicates the analyte was analyzed for but not detected.		
HPLC/IC			
Qualifier	Qualifier Description		
<u>U</u>	Indicates the analyte was analyzed for but not detected.		5
	· · ·		
Glossary			9
Abbreviation	These commonly used abbreviations may or may not be present in this report.		
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis		
%R	Percent Recovery		
CFL	Contains Free Liquid		
CFU	Colony Forming Unit		
CNF	Contains No Free Liquid		
DER	Duplicate Error Ratio (normalized absolute difference)		
Dil Fac	Dilution Factor		
DL	Detection Limit (DoD/DOE)		1
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 MCL	Limit of Quantitation (DoD/DOE) 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)		

.

Project/Site: MCA 328

Job ID: 890-2482-1 SDG: 0302057003

Job ID: 890-2482-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-2482-1

Receipt

The samples were received on 6/28/2022 4:34 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 29.0°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 880-28678 and analytical batch 880-28710 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample 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.

GC Semi VOA

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

HPLC/IC

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

4

5

Job ID: 890-2482-1 SDG: 0302057003

Client Sample ID: FS01

Client: Ensolum

Project/Site: MCA 328

Lab Sample ID: 890-2482-1

: Compounds ((GC)						
		RL	Unit	D	Prepared	Analyzed	Dil Fac
<0.00200	U	0.00200	mg/Kg		06/29/22 15:01	06/30/22 12:51	1
<0.00200	U	0.00200	mg/Kg		06/29/22 15:01	06/30/22 12:51	1
<0.00200	U	0.00200	mg/Kg		06/29/22 15:01	06/30/22 12:51	1
<0.00401	U	0.00401	mg/Kg		06/29/22 15:01	06/30/22 12:51	1
<0.00200	U	0.00200	mg/Kg		06/29/22 15:01	06/30/22 12:51	1
<0.00401	U	0.00401	mg/Kg		06/29/22 15:01	06/30/22 12:51	1
%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
105		70 - 130			06/29/22 15:01	06/30/22 12:51	1
100		70 - 130			06/29/22 15:01	06/30/22 12:51	1
Calculation							
Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
<0.00401	U	0.00401	mg/Kg			06/30/22 15:11	1
Organics (DR	O) (GC)						
Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
71.1		50.0	mg/Kg			06/30/22 15:56	1
je Organics (D	RO) (GC)						
Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
<50.0	U	50.0	mg/Kg		06/30/22 11:00	06/30/22 15:01	1
71.1		50.0	mg/Kg		06/30/22 11:00	06/30/22 15:01	1
<50.0	U	50.0	mg/Kg		06/30/22 11:00	06/30/22 15:01	1
%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
89		70 - 130			06/30/22 11:00	06/30/22 15:01	1
98		70 - 130			06/30/22 11:00	06/30/22 15:01	1
matography -	Soluble						
Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
21.8		4.97	mg/Kg			06/30/22 14:58	1
					Lab Sar	nple ID: 890-	2482-2
							x: Solid
			1114	_	December	Ameliand	D!!
				<u> </u>			Dil Fac
							1
							1
							1
<0.00404 <0.00202		0.00404 0.00202	mg/Kg mg/Kg		06/29/22 15:01 06/29/22 15:01	06/30/22 13:11 06/30/22 13:11	1
	Result <0.00200	100 Calculation Result Qualifier <0.00401	Result Qualifier RL <0.00200	Result Qualifier RL Unit <0.00200	Result Qualifier RL Unit D <0.00200	Result Qualifier RL Unit D Prepared <0.00200	Result Qualifier RL Unit D Prepared Analyzed -0.00200 U 0.00200 mg/Kg 06/29/22 15:01 06/30/22 12:51 -0.00200 U 0.00200 mg/Kg 06/29/22 15:01 06/30/22 12:51 -0.00401 U 0.00401 mg/Kg 06/29/22 15:01 06/30/22 12:51 -100 70.130 D Prepared Analyzed -0.00401 0.00401 mg/Kg D Prepared Analyzed

o-Xylene Xylenes, Total <0.00404 U 0.00404 06/29/22 15:01 mg/Kg 06/30/22 13:11 1 %Recovery Qualifier Limits Prepared Surrogate Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 100 70 - 130 06/29/22 15:01 06/30/22 13:11 1

Eurofins Carlsbad

Client Sample Results

Job ID: 890-2482-1 SDG: 0302057003

Lab Sample ID: 890-2482-2

Matrix: Solid

5

Client Sample ID: FS02 Date Collected: 06/28/22 14:00 Date Received: 06/28/22 16:34

Sample Depth: 1'

Client: Ensolum

Project/Site: MCA 328

%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
96		70 - 130			06/29/22 15:01	06/30/22 13:11	1
Calculation							
Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
<0.00404	U	0.00404	mg/Kg			06/30/22 15:11	
Organics (DR	O) (GC)						
Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
<49.9	U	49.9	mg/Kg			06/30/22 15:56	1
e Organics (D	RO) (GC)						
		RL	Unit	D	Prepared	Analyzed	Dil Fa
<49.9	U	49.9	mg/Kg		06/30/22 11:00	06/30/22 15:23	
<49.9	U	49.9	mg/Kg		06/30/22 11:00	06/30/22 15:23	
<49.9	U	49.9	mg/Kg		06/30/22 11:00	06/30/22 15:23	
%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
89		70 - 130			06/30/22 11:00	06/30/22 15:23	
99		70 - 130			06/30/22 11:00	06/30/22 15:23	1
matography -	Soluble						
Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
554		4.99	mg/Kg			06/30/22 15:25	1
					Lab Sar	nple ID: 890-	2482-3
						Matri	x: Solic
	96 Calculation Result <0.00404	96 Calculation Result Qualifier <0.00404	96 70 - 130 Calculation Result Qualifier RL <0.00404	96 70 - 130 Calculation Result Qualifier RL Unit <0.00404	96 70 - 130 Calculation Result Qualifier RL Unit D <0.00404	$\overline{96}$ $\overline{70.130}$ $\overline{06/29/22}$ 15.01CalculationResultQualifierRLUnitDPrepared <0.00404 \overline{U} 0.00404 $\overline{mg/Kg}$ \overline{D} PreparedOrganics (DRO) (GC)ResultQualifierRLUnitDPrepared <49.9 \overline{U} 49.9 $\overline{mg/Kg}$ \overline{D} Preparede Organics (DRO) (GC)ResultQualifierRLUnitDPrepared <49.9 \overline{U} 49.9 $\overline{mg/Kg}$ \overline{D} Prepared <49.9 \overline{U} 49.9 mg/Kg $06/30/22$ 11:00 $<60/22 11:00$ 99 70.130 $06/30/22$ 11:00 $matography - Soluble$ $Result$ $Qualifier$ RL $Unit$ D $Result$ $Qualifier$ RL 4.99 mg/Kg D	96 70 - 130 06/29/22 15:01 06/30/22 13:11 Calculation Result Qualifier RL Unit D Prepared Analyzed <0.00404

Method: 8021B - Volatile Orgar	nic Compounds ((GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/29/22 15:01	06/30/22 13:32	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/29/22 15:01	06/30/22 13:32	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/29/22 15:01	06/30/22 13:32	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		06/29/22 15:01	06/30/22 13:32	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/29/22 15:01	06/30/22 13:32	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		06/29/22 15:01	06/30/22 13:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130			06/29/22 15:01	06/30/22 13:32	1
1,4-Difluorobenzene (Surr)	100		70 - 130			06/29/22 15:01	06/30/22 13:32	1
– Method: Total BTEX - Total BTI	EX Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			06/30/22 15:11	1
– Method: 8015 NM - Diesel Rang	ge Organics (DR	O) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			06/30/22 15:56	1

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Client Sample Results

Job ID: 890-2482-1 SDG: 0302057003

Matrix: Solid

5

Lab Sample ID: 890-2482-3

Client Sample ID: SW01

Date Collected: 06/28/22 14:45 Date Received: 06/28/22 16:34

/22 14:45 /22 16:34

Sample Depth: 0-3'

Project/Site: MCA 328

Client: Ensolum

 Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		06/30/22 11:00	06/30/22 15:45	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		06/30/22 11:00	06/30/22 15:45	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/30/22 11:00	06/30/22 15:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130			06/30/22 11:00	06/30/22 15:45	1
o-Terphenyl	93		70 - 130			06/30/22 11:00	06/30/22 15:45	1
_ , ,			10 - 100			00,00,22 11.00	00/00/22 10.40	1
Method: 300.0 - Anions, Ion Chro		Soluble	70 - 700			00,00,22 11.00	00/00/22 10.40	1
	omatography -	<mark>Soluble</mark> Qualifier	RL	Unit	D	Prepared	Analyzed	, Dil Fac

Surrogate Summary

Client: Ensolum Project/Site: MCA 328

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

Percent Surrogate Recovery (Acceptance Limits) BFB1 DFBZ1 Lab Sample ID Client Sample ID (70-130) (70-130) 880-16436-A-31-C MS Matrix Spike 101 99 880-16436-A-31-D MSD Matrix Spike Duplicate 109 91 890-2482-1 FS01 105 100 FS02 890-2482-2 100 96 890-2482-3 SW01 100 100 Lab Control Sample LCS 880-28678/1-A 99 97 LCSD 880-28678/2-A Lab Control Sample Dup 99 95 MB 880-28678/5-A Method Blank 101 98 Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

				Percent Surrogate Recovery (Acceptance
		1CO1	OTPH1	
ab Sample ID	Client Sample ID	(70-130)	(70-130)	
30-16373-A-21-C MS	Matrix Spike	100	96	
80-16373-A-21-D MSD	Matrix Spike Duplicate	99	99	
390-2482-1	FS01	89	98	
90-2482-2	FS02	89	99	
90-2482-3	SW01	87	93	
CS 880-28614/2-A	Lab Control Sample	79	75	
CSD 880-28614/3-A	Lab Control Sample Dup	82	83	
B 880-28614/1-A	Method Blank	111	125	

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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Page 27 of 75

Job ID: 890-2482-1 SDG: 0302057003

Prep Type: Total/NA

Prep Type: Total/NA 6

QC Sample Results

Project/Site: MCA 328

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-28678/	5-A					Client Sa	mple ID: Metho	d Blank
Matrix: Solid							Prep Type: 1	fotal/NA
Analysis Batch: 28710							Prep Batch	1: 28678
-	MB	МВ					-	
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/29/22 15:01	06/30/22 12:01	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/29/22 15:01	06/30/22 12:01	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/29/22 15:01	06/30/22 12:01	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		06/29/22 15:01	06/30/22 12:01	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/29/22 15:01	06/30/22 12:01	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		06/29/22 15:01	06/30/22 12:01	1
	МВ	МВ						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130			06/29/22 15:01	06/30/22 12:01	1
1,4-Difluorobenzene (Surr)	98		70 - 130			06/29/22 15:01	06/30/22 12:01	1
Lab Sample ID: LCS 880-28678	/ 1-A				c	lient Sample I	D: Lab Control	Sample

Matrix: Solid

Analysis Batch: 28710

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08532		mg/Kg		85	70 - 130	
Toluene	0.100	0.09806		mg/Kg		98	70 - 130	
Ethylbenzene	0.100	0.08863		mg/Kg		89	70 - 130	
m-Xylene & p-Xylene	0.200	0.1788		mg/Kg		89	70 - 130	
o-Xylene	0.100	0.1012		mg/Kg		101	70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: LCSD 880-28678/2-A

Matrix: Solid

Analysis Batch: 28710							Prep	Batch:	28678
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.08687		mg/Kg		87	70 - 130	2	35
Toluene	0.100	0.09372		mg/Kg		94	70 - 130	5	35
Ethylbenzene	0.100	0.08625		mg/Kg		86	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1738		mg/Kg		87	70 - 130	3	35
o-Xylene	0.100	0.09882		mg/Kg		99	70 - 130	2	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 880-16436-A-31-C MS

Matrix: Solid aluaia Batahi 29740

Analysis Batch: 28710									Prep	Batch: 28678
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00201	U F1	0.100	0.07794		mg/Kg		78	70 - 130	
Toluene	<0.00201	U	0.100	0.08319		mg/Kg		83	70 - 130	

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Prep Type: Total/NA

Job ID: 890-2482-1

SDG: 0302057003

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 28678

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Client Sample ID: Matrix Spike

Released to Imaging: 7/13/2022 5:10:23 PM

Client: Ensolum

Project/Site: MCA 328

QC Sample Results

Job ID: 890-2482-1 SDG: 0302057003

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

	-31-C MS								Clie		ple ID: Mati	
Matrix: Solid										F	Prep Type:	
Analysis Batch: 28710											Prep Batc	h: 2867
	Sample			Spike	MS	MS				%R		
Analyte	Result			Added	Result	Qualifie			D %Re			
Ethylbenzene	<0.00201			0.100	0.07129		mg/Kg		7		130	
n-Xylene & p-Xylene	<0.00402	U F1		0.200	0.1432		mg/Kg		7	1 70 -	130	
-Xylene	<0.00201	U		0.100	0.08106		mg/Kg		8	1 70-	130	
	MS	MS										
Surrogate	%Recovery	Qual	ifier	Limits								
4-Bromofluorobenzene (Surr)	101			70 - 130								
1,4-Difluorobenzene (Surr)	99			70 - 130								
_ab Sample ID: 880-16436-A-	-31-D MSD							Clien	t Sample	D: Mat	trix Spike D	uplica
Matrix: Solid										F	Prep Type:	Total/N
Analysis Batch: 28710											Prep Batc	h: 2867
	Sample	Sam	ple	Spike	MSD	MSD				%R	ec	RF
Analyte	Result	Qual	ifier	Added	Result	Qualifie	r Unit		D %Re	c Lim	its RP	D Lin
Benzene	<0.00201	UF1		0.0990	0.06358	F1	mg/Kg		6	4 70 -	130 2	0 3
Foluene	<0.00201	U		0.0990	0.07789		mg/Kg		7	9 70-	130	7 :
Ethylbenzene	<0.00201	U F1		0.0990	0.06727	F1	mg/Kg		6	8 70-	130	6
n-Xylene & p-Xylene	<0.00402	U F1		0.198	0.1373	F1	mg/Kg		6	9 70-	130	4
o-Xylene	<0.00201	U		0.0990	0.07979		mg/Kg		8	1 70-	130	2
	MSD	MSD										
Surrogate	%Recovery	Qual	ifier	Limits								
4-Bromofluorobenzene (Surr)	109			70 - 130								
	~ ~ ~											
1,4-Difluorobenzene (Surr)	91			70 - 130								
		gan	ics (DR									
ethod: 8015B NM - Dies	el Range Or	gan	iics (DR						Clien	it Sampl	e ID: Metho	od Blar
ethod: 8015B NM - Dies Lab Sample ID: MB 880-2861	el Range Or	gan	iics (DR						Clien			
lethod: 8015B NM - Dies Lab Sample ID: MB 880-2861 Matrix: Solid	el Range Or	gan	iics (DR						Clien		Prep Type:	Total/N
ethod: 8015B NM - Dies Lab Sample ID: MB 880-2861 Matrix: Solid	el Range Or	gan							Clien			Total/N
ethod: 8015B NM - Dies Lab Sample ID: MB 880-2861 Matrix: Solid Analysis Batch: 28713	sel Range Or 14/1-A	МВ				Un	it	D	Clien	Ĩ	Prep Type:	Total/N h: 2861
ethod: 8015B NM - Dies Lab Sample ID: MB 880-2861 Matrix: Solid Analysis Batch: 28713 Analyte	sel Range Or 14/1-A 	МВ	MB Qualifier	O) (GC)			it			d	Prep Type: Prep Batc	Total/N h: 2861
ethod: 8015B NM - Dies Lab Sample ID: MB 880-2861 Matrix: Solid Analysis Batch: 28713 Analyte Gasoline Range Organics GRO)-C6-C10	sel Range Or 14/1-A 	MB	MB Qualifier	O) (GC)					Prepare	d	Prep Type: Prep Batc Analyzed	Total/N h: 2861
lethod: 8015B NM - Dies Lab Sample ID: MB 880-2861 Matrix: Solid Analysis Batch: 28713 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	sel Range Or 14/1-A 	MB	MB Qualifier U	O) (GC)		mg			Prepare	d <u>d</u> 3:55 06	Prep Type: Prep Batc Analyzed	Total/N h: 2861
1,4-Difluorobenzene (Surr) lethod: 8015B NM - Dies Lab Sample ID: MB 880-2861 Matrix: Solid Analysis Batch: 28713 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	sel Range Or 14/1-A 	MB esult 50.0 50.0	MB Qualifier U	O) (GC) 		mg mg	ı/Kg		Prepare 06/29/22 08 06/29/22 08	d 3:55 06 3:55 06	Prep Type: Prep Batc Analyzed /30/22 12:30	Total/N
ethod: 8015B NM - Dies Lab Sample ID: MB 880-2861 Matrix: Solid Analysis Batch: 28713 Analyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	sel Range Or 14/1-A 	MB esult 50.0 50.0 50.0	MB Qualifier U U	O) (GC)		mg mg	J/Kg		Prepare 06/29/22 08	d 3:55 06 3:55 06	Prep Type: Prep Batc Analyzed //30/22 12:30	Total/N h: 286′
ethod: 8015B NM - Dies Lab Sample ID: MB 880-2861 Matrix: Solid Analysis Batch: 28713 Analyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) DII Range Organics (Over C28-C36)	sel Range Or 4/1-A 	MB esult 50.0 50.0 50.0 <i>MB</i>	MB Qualifier U U U MB	O) (GC) 		mg mg	ı/Kg		Prepare 06/29/22 08 06/29/22 08 06/29/22 08	d 3:55 06 3:55 06 3:55 06	Prep Type: Prep Batc /30/22 12:30 /30/22 12:30 /30/22 12:30	Total/N h: 2861 Dil F
ethod: 8015B NM - Dies Lab Sample ID: MB 880-2861 Matrix: Solid Analysis Batch: 28713 Analyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) DII Range Organics (Over C28-C36) Surrogate	sel Range Or 4/1-A 	MB 250.0 50.0 50.0 50.0 <i>MB</i> very	MB Qualifier U U	O) (GC) 		mg mg	ı/Kg		Prepare 06/29/22 08 06/29/22 08 06/29/22 08 Prepare	d 3:55 06 3:55 06 3:55 06 d	Prep Type: Prep Batc Analyzed /30/22 12:30 /30/22 12:30 /30/22 12:30 Analyzed	Total/N h: 2861
ethod: 8015B NM - Dies Lab Sample ID: MB 880-2861 Matrix: Solid Analysis Batch: 28713 Analyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) DII Range Organics (Over C28-C36) Surrogate I-Chlorooctane	sel Range Or 4/1-A 	MB esult 50.0 50.0 50.0 <i>MB</i>	MB Qualifier U U U MB	O) (GC) 		mg mg	ı/Kg		Prepare 06/29/22 08 06/29/22 08 06/29/22 08	d 3:55 06 3:55 06 3:55 06 3:55 06	Prep Type: Prep Batc /30/22 12:30 /30/22 12:30 /30/22 12:30	Total/N h: 2861 Dil F
ethod: 8015B NM - Dies ab Sample ID: MB 880-2861 Matrix: Solid Analysis Batch: 28713 analyte Basoline Range Organics GRO)-C6-C10 biesel Range Organics (Over 210-C28) DII Range Organics (Over C28-C36) Burrogate -Chlorooctane -Terphenyl	sel Range Or 14/1-A 	MB esult 50.0 50.0 50.0 50.0 <i>MB</i> very 111	MB Qualifier U U U MB	O) (GC) RL 50.0 50.0 50.0 50.0 70.0		mg mg	ı/Kg		Prepare 06/29/22 08 06/29/22 08 06/29/22 08 06/29/22 08 06/29/22 08 06/29/22 08	d 3:55 06 3:55 06 3:55 06 3:55 06 8:55 06	Prep Type: Prep Batc Analyzed /30/22 12:30 /30/22 12:30 /30/22 12:30 Analyzed /30/22 12:30 /30/22 12:30	Total/N h: 286' Dil F
ethod: 8015B NM - Dies Lab Sample ID: MB 880-2861 Matrix: Solid Analysis Batch: 28713 Analyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over 210-C28) DII Range Organics (Over C28-C36) Surrogate I-Chlorooctane D-Terphenyl Lab Sample ID: LCS 880-286	sel Range Or 14/1-A 	MB esult 50.0 50.0 50.0 50.0 <i>MB</i> very 111	MB Qualifier U U U MB	O) (GC) RL 50.0 50.0 50.0 50.0 70.0		mg mg	ı/Kg		Prepare 06/29/22 08 06/29/22 08 06/29/22 08 06/29/22 08 06/29/22 08 06/29/22 08	d 3:55 06 3:55 06 3:55 06 3:55 06 8:55 06 8:55 06 8:55 06	Analyzed /30/22 12:30 /30/22 12:30 /30/22 12:30 /30/22 12:30 /30/22 12:30 /30/22 12:30 /30/22 12:30 /30/22 12:30 /30/22 12:30 /30/22 12:30 /30/22 12:30 /30/22 12:30 /30/22 12:30 /30/22 12:30	Total/N h: 286' Dil F Dil F Samp
ethod: 8015B NM - Dies Lab Sample ID: MB 880-2861 Matrix: Solid Analysis Batch: 28713 Analyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over	sel Range Or 14/1-A 	MB esult 50.0 50.0 50.0 50.0 <i>MB</i> very 111	MB Qualifier U U U MB	O) (GC) RL 50.0 50.0 50.0 50.0 70.0		mg mg	ı/Kg		Prepare 06/29/22 08 06/29/22 08 06/29/22 08 06/29/22 08 06/29/22 08 06/29/22 08	d 3:55 06 3:55 06 3:55 06 3:55 06 8:55 06 8:55 06 8:55 06	Prep Type: Prep Batc Analyzed /30/22 12:30 /30/22 12:30 /30/22 12:30 Analyzed /30/22 12:30 /30/22 12:30	Total/N h: 2861 Dil F: Dil F: Samp Total/N

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	 1000	1015		mg/Kg		102	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	766.3		mg/Kg		77	70 - 130	
C10-C28)								

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QC Sample Results

Job ID: 890-2482-1 SDG: 0302057003

Client: Ensolum Project/Site: MCA 328

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

	14/2-A						Client	Sample	e ID: Lab Co		
Matrix: Solid										Type: Tot	
Analysis Batch: 28713									Prep	Batch:	2861 [,]
	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	79		70 - 130								
o-Terphenyl	75		70 - 130								
Lab Sample ID: LCSD 880-28	614/3-A					Clier	nt Sam	ple ID:	Lab Contro	ol Sample	e Dur
Matrix: Solid								· · · ·		Type: Tot	
Analysis Batch: 28713										Batch:	
-			Spike	LCSD	LCSD				%Rec		RP
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limi
Gasoline Range Organics (GRO)-C6-C10			1000	1192		mg/Kg		119	70 - 130	16	20
Diesel Range Organics (Over C10-C28)			1000	896.8		mg/Kg		90	70 - 130	16	20
	LCSD	LCSD									
Surrogate	%Recovery		Limits								
1-Chlorooctane	82		70 - 130								
o-Terphenyl	83		70 - 130								
									Prep	Satch:	
Analysis Batch: 28713	-	Sample	Spike		MS				Prep %Rec		
Matrix: Solid Analysis Batch: 28713 Analyte	Result	Qualifier	Added	Result	MS Qualifier	Unit	D	%Rec	Prep %Rec Limits		
Analysis Batch: 28713	-	Qualifier	-			- <mark>Unit</mark> mg/Kg	<u>D</u>	%Rec	Prep %Rec		
Analysis Batch: 28713 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier U	Added	Result			<u> </u>		Prep %Rec Limits		
Analysis Batch: 28713 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.9 <49.9	Qualifier U U	Added 996	Result 1186		mg/Kg	<u>D</u>	119	Prep %Rec Limits 70 - 130		
Analysis Batch: 28713 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9 <49.9	Qualifier U U	Added 996	Result 1186		mg/Kg	<u> </u>	119	Prep %Rec Limits 70 - 130		
Analysis Batch: 28713 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate	Result <49.9 <49.9 MS	Qualifier U U	Added996	Result 1186		mg/Kg	<u>D</u>	119	Prep %Rec Limits 70 - 130		
Analysis Batch: 28713 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane	Result <49.9 <49.9 MS %Recovery	Qualifier U U MS	Added 996 996 Limits	Result 1186		mg/Kg	<u>D</u>	119	Prep %Rec Limits 70 - 130		
Analysis Batch: 28713 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.9	Qualifier U U MS	Added 996 996 Limits 70 - 130	Result 1186		mg/Kg		119	Prep %Rec Limits 70 - 130	Batch: :	28614
Analysis Batch: 28713 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl	Result <49.9	Qualifier U U MS	Added 996 996 Limits 70 - 130	Result 1186		mg/Kg		119	Prep %Rec Limits 70 - 130 70 - 130 70 - 130	Batch: :	licate
Analysis Batch: 28713 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-16373-A-	Result <49.9	Qualifier U U MS	Added 996 996 Limits 70 - 130	Result 1186		mg/Kg		119	Prep %Rec Limits 70 - 130 70 - 130 70 - 130	Batch: :	licate
Analysis Batch: 28713 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-16373-A- Matrix: Solid	Result <49.9	Qualifier U MS Qualifier Sample	Added 996 996 Limits 70 - 130	Result 1186 1095		mg/Kg		119 110	Prep %Rec Limits 70 - 130 70 - 130 70 - 130	Dike Dup Type: Tot Batch: 2	licate
Analysis Batch: 28713 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-16373-A- Matrix: Solid Analysis Batch: 28713 Analyte	Result <49.9	Qualifier U MS Qualifier Sample Qualifier	Added 996 996 Limits 70 - 130 70 - 130 70 - 130	Result 1186 1095 MSD Result	Qualifier	mg/Kg mg/Kg Cl		119 110 ample IE	Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 190 70 - 190	bike Dup Type: Tot Batch: 2 	28614 ital/NA 28614 RPC Limi
Analysis Batch: 28713 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-16373-A- Matrix: Solid Analysis Batch: 28713	Result <49.9	Qualifier U MS Qualifier Sample Qualifier	Added 996 996 Limits 70 - 130 70 - 130 Spike	Result 1186 1095 MSD	Qualifier	mg/Kg mg/Kg CI	ient Sa	119 110	Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 190 70 - 190	Dike Dup Type: Tot Batch: 2	licate al/NA RPC Limi
Analysis Batch: 28713 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-16373-A- Matrix: Solid Analysis Batch: 28713 Analyte Gasoline Range Organics (GRO)-C6-C10	Result <49.9	Qualifier U MS Qualifier Qualifier U	Added 996 996 Limits 70 - 130 70 - 130 70 - 130	Result 1186 1095 MSD Result	Qualifier	mg/Kg mg/Kg Cl	ient Sa	119 110 ample IE	Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 190 70 - 190	bike Dup Type: Tot Batch: 2 	alicate al/NA 28614 RPI Limi 20
Analysis Batch: 28713 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-16373-A- Matrix: Solid Analysis Batch: 28713 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.9	Qualifier U MS Qualifier Qualifier U	Added 996 996 <u>Limits</u> 70 - 130 70 - 130 70 - 130 80 50 80 80 996	Result 1186 1095 MSD Result 1209	Qualifier	mg/Kg mg/Kg Cl Unit mg/Kg	ient Sa	119 110 ample IE <u>%Rec</u> 121	Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 %Rec Prep 1 %Rec Limits 70 - 130	bike Dup Type: Tot Batch: 2 	alicato al/N/ 28614 RPI Limi 20
Analysis Batch: 28713 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-16373-A- Matrix: Solid Analysis Batch: 28713 Analyte Gasoline Range Organics	Result <49.9	Qualifier U MS Qualifier Qualifier U	Added 996 996 <u>Limits</u> 70 - 130 70 - 130 70 - 130 80 50 80 80 996	Result 1186 1095 MSD Result 1209	Qualifier	mg/Kg mg/Kg Cl Unit mg/Kg	ient Sa	119 110 ample IE <u>%Rec</u> 121	Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 %Rec Prep 1 %Rec Limits 70 - 130	bike Dup Type: Tot Batch: 2 	alicate al/NA 28614 RPI Limi 20
Analysis Batch: 28713 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-16373-A- Matrix: Solid Analysis Batch: 28713 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.9	Qualifier U MS Qualifier Qualifier U U MSD	Added 996 996 <u>Limits</u> 70 - 130 70 - 130 70 - 130 80 50 80 80 996	Result 1186 1095 MSD Result 1209	Qualifier	mg/Kg mg/Kg Cl Unit mg/Kg	ient Sa	119 110 ample IE <u>%Rec</u> 121	Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 %Rec Prep 1 %Rec Limits 70 - 130	bike Dup Type: Tot Batch: 2 	licate tal/NA 28614 RPI
Analysis Batch: 28713 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-16373-A- Matrix: Solid Analysis Batch: 28713 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9	Qualifier U MS Qualifier Qualifier U U MSD	Added 996 996 Limits 70 - 130 70 - 130 Spike Added 996 996	Result 1186 1095 MSD Result 1209	Qualifier	mg/Kg mg/Kg Cl Unit mg/Kg	ient Sa	119 110 ample IE <u>%Rec</u> 121	Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 %Rec Prep 1 %Rec Limits 70 - 130	bike Dup Type: Tot Batch: 2 	28614 sal/NA 28614 RPC Limi 20

Client: Ensolum

Project/Site: MCA 328

QC Sample Results

Job ID: 890-2482-1 SDG: 0302057003

Method: 300.0 - Anions, Ion Chromatography

								Client	Sample ID:	Method	Blank
Matrix: Solid										Type: S	
Analysis Batch: 28753											
		MB MB									
Analyte	R	esult Qualifie	er	RL	Unit		D	Prepared	Analy	zed	Dil Fac
_Chloride	~	<5.00 U		5.00	mg/ł	Κg			06/30/22	14:30	1
	4						Clie	nt Sampl	e ID: Lab C	ontrol S	ample
Matrix: Solid									Prep	Type: S	oluble
Analysis Batch: 28753											
			Spike	LCS	LCS				%Rec		
Analyte			Added		Qualifier	Unit	!	D %Rec	Limits		
Chloride			250	257.4		mg/Kg		103	90 _ 110		
_ Lab Sample ID: LCSD 880-28711/3	- A					CI	ient Sa	ample ID:	Lab Contro	ol Sampl	e Dup
Matrix: Solid									Prep	Type: S	oluble
Analysis Batch: 28753											
			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit		D %Rec	Limits	RPD	Limit
Chloride			250	263.2		mg/Kg		105	90 _ 110	2	20
Lab Sample ID: 890-2482-1 MS									Client Sa	mple ID:	: FS01
Matrix: Solid									Prep	Type: S	oluble
Analysis Batch: 28753											
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	I	D %Rec	Limits		
Chloride	21.8		249	269.3		mg/Kg		100	90 - 110		
Lab Sample ID: 890-2482-1 MSD									Client Sa	mple ID:	: FS01
Matrix: Solid										Type: S	
Analysis Batch: 28753											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	I	D %Rec	Limits	RPD	Limit
Chloride	21.8		249	270.2		mg/Kg		100	90 - 110	0	20

Eurofins Carlsbad

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QC Association Summary

Client: Ensolum Project/Site: MCA 328

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Job ID: 890-2482-1 SDG: 0302057003

GC VOA

Prep Batch: 28678

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-2482-1	FS01	Total/NA	Solid	5035	
890-2482-2	FS02	Total/NA	Solid	5035	
890-2482-3	SW01	Total/NA	Solid	5035	
MB 880-28678/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-28678/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-28678/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-16436-A-31-C MS	Matrix Spike	Total/NA	Solid	5035	
880-16436-A-31-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 28710

880-16436-A-31-C MS	Matrix Spike	Total/NA	Solid	5035		
880-16436-A-31-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035		8
Analysis Batch: 28710						9
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	
890-2482-1	FS01	Total/NA	Solid	8021B	28678	
890-2482-2	FS02	Total/NA	Solid	8021B	28678	
890-2482-3	SW01	Total/NA	Solid	8021B	28678	
MB 880-28678/5-A	Method Blank	Total/NA	Solid	8021B	28678	
LCS 880-28678/1-A	Lab Control Sample	Total/NA	Solid	8021B	28678	
LCSD 880-28678/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	28678	
880-16436-A-31-C MS	Matrix Spike	Total/NA	Solid	8021B	28678	4.9
880-16436-A-31-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	28678	13
Analysis Batch: 28764						
Lab Camala ID	Olivert Ormalia ID	Deve Trees	M = 4-4-		Dura Datah	

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2482-1	FS01	Total/NA	Solid	Total BTEX	
890-2482-2	FS02	Total/NA	Solid	Total BTEX	
890-2482-3	SW01	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 28614

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2482-1	FS01	Total/NA	Solid	8015NM Prep	
890-2482-2	FS02	Total/NA	Solid	8015NM Prep	
890-2482-3	SW01	Total/NA	Solid	8015NM Prep	
MB 880-28614/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-28614/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-28614/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-16373-A-21-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-16373-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 28713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2482-1	FS01	Total/NA	Solid	8015B NM	28614
890-2482-2	FS02	Total/NA	Solid	8015B NM	28614
890-2482-3	SW01	Total/NA	Solid	8015B NM	28614
MB 880-28614/1-A	Method Blank	Total/NA	Solid	8015B NM	28614
LCS 880-28614/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	28614
LCSD 880-28614/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	28614
880-16373-A-21-C MS	Matrix Spike	Total/NA	Solid	8015B NM	28614
880-16373-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	28614

QC Association Summary

Client: Ensolum Project/Site: MCA 328 Page 33 of 75

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Job ID: 890-2482-1 SDG: 0302057003

GC Semi VOA

Analysis Batch: 28773

Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
FS01	Total/NA	Solid	8015 NM	
FS02	Total/NA	Solid	8015 NM	
SW01	Total/NA	Solid	8015 NM	
	FS01 FS02	FS01 Total/NA FS02 Total/NA	FS01 Total/NA Solid FS02 Total/NA Solid	FS01Total/NASolid8015 NMFS02Total/NASolid8015 NM

HPLC/IC

Leach Batch: 28711

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	0
890-2482-1	FS01	Soluble	Solid	DI Leach		8
890-2482-2	FS02	Soluble	Solid	DI Leach		0
890-2482-3	SW01	Soluble	Solid	DI Leach		9
MB 880-28711	/1-A Method Blank	Soluble	Solid	DI Leach		
LCS 880-2871 ²	1/2-A Lab Control Sample	Soluble	Solid	DI Leach		
LCSD 880-287	11/3-A Lab Control Sample Dup	Soluble	Solid	DI Leach		
890-2482-1 MS	S FS01	Soluble	Solid	DI Leach		
890-2482-1 MS	SD FS01	Soluble	Solid	DI Leach		
Analysis Bat	ch: 28753					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	13
890-2482-1	FS01	Soluble	Solid	300.0		
000 0400 0	5000	0.1.11	0	000.0	00711	

Analysis Batch: 28753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2482-1	FS01	Soluble	Solid	300.0	28711
890-2482-2	FS02	Soluble	Solid	300.0	28712
890-2482-3	SW01	Soluble	Solid	300.0	28711
MB 880-28711/1-A	Method Blank	Soluble	Solid	300.0	28712
LCS 880-28711/2-A	Lab Control Sample	Soluble	Solid	300.0	28712
LCSD 880-28711/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	28711
890-2482-1 MS	FS01	Soluble	Solid	300.0	2871
890-2482-1 MSD	FS01	Soluble	Solid	300.0	28711

5

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Job ID: 890-2482-1 SDG: 0302057003

Lab Sample ID: 890-2482-1 Matrix: Solid

Lab Sample ID: 890-2482-2

Lab Sample ID: 890-2482-3

Matrix: Solid

Matrix: Solid

Date Collected: 06/28/22 12:10 Date Received: 06/28/22 16:34

Client Sample ID: FS01

Client: Ensolum

Project/Site: MCA 328

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	28678	06/29/22 15:01	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28710	06/30/22 12:51	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28764	06/30/22 15:11	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28773	06/30/22 15:56	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28614	06/30/22 11:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28713	06/30/22 15:01	SM	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	28711	06/30/22 08:22	СН	XEN MID
Soluble	Analysis	300.0		1			28753	06/30/22 14:58	СН	XEN MID

Client Sample ID: FS02

Date Collected: 06/28/22 14:00

Date Received: 06/28/22 16:34

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	28678	06/29/22 15:01	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28710	06/30/22 13:11	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28764	06/30/22 15:11	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28773	06/30/22 15:56	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28614	06/30/22 11:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28713	06/30/22 15:23	SM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	28711	06/30/22 08:22	СН	XEN MID
Soluble	Analysis	300.0		1			28753	06/30/22 15:25	СН	XEN MID

Client Sample ID: SW01

Date Collected: 06/28/22 14:45 Date Received: 06/28/22 16:34

Dil Batch Batch Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA Prep 5035 5.01 g 5 mL 28678 06/29/22 15:01 MR XEN MID Total/NA Analysis 8021B 1 5 mL 5 mL 28710 06/30/22 13:32 MR XEN MID Total/NA Analysis Total BTEX 28764 06/30/22 15:11 SM XEN MID 1 Total/NA Analysis 8015 NM 1 28773 06/30/22 15:56 SM XEN MID Total/NA XEN MID Prep 8015NM Prep 10.03 g 10 mL 28614 06/30/22 11:00 DM Total/NA Analysis 8015B NM 28713 06/30/22 15:45 SM XEN MID 1 Soluble Leach **DI Leach** 5.03 g 50 mL 28711 06/30/22 08:22 СН XEN MID Soluble Analysis 300.0 1 28753 06/30/22 15:35 СН XEN MID

Laboratory References:

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

Accreditation/Certification Summary

	Acci cultution#0	or anoual of the output of the			
Client: Ensolum				Job ID: 890-2482-1	2
Project/Site: MCA 328				SDG: 0302057003	
Laboratory: Eurofins	Midland			·	
The accreditations/certifications lis	ted below are applicable to this report.				
Authority	Program	Identification Number	Expiration Date		

Texas

NELAP

T104704400-21-22

Expiration Date

Eurofins Carlsbad

Client: Ensolum Project/Site: MCA 328 Job ID: 890-2482-1 SDG: 0302057003

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

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Sample Summary

Client: Ensolum Project/Site: MCA 328 Page 37 of 75

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2482-1	FS01	Solid	06/28/22 12:10	06/28/22 16:34	1'
890-2482-2	FS02	Solid	06/28/22 14:00	06/28/22 16:34	1'
890-2482-3	SW01	Solid	06/28/22 14:45	06/28/22 16:34	1'

.

1509-3334 1509-3334 94-1296 988-3199 1377 - CED (in in PiDiess		ANALYSIS REQUEST ANALYSIS REQUEST ANALYSIS REQUEST Analysis Requestion of Water: H ₂ O and the second meditive and the second meditive and the second meditive and the second and the seco	3 Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Tl Sn U V Zn Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631/245.1/7470 /7471
Environment Testing Midland, 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 Carlsbad, NM (575) 988-3199	Bill to: (if different) Company Name: Address: City, State ZIP: Email: L. H. M. M. M. G. C. M.	In Around In Around In Around In Around Pres.	A 13PPM Texas 11 AI Sb As Ba Be B Cd Ca Cr Co C TCLP/SPLP6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb
Xenco	Project Manager: K.Q.I.C. J.C.M.IN/OS Company Name: E.M.O.W.M.M. Address: 3/22 N.Q.H. POLY HMM City, State ZIP: C.A.Y.I. 1972, 2507 Fr	Project Name: M.C.M. 32 Y Turn Project Number: 03.0205 71003 IRoutine Project Location: E.O.G.M. Currin, N.M. Due Date: Sampler's Name: U.Z. Crwti Traf starts th Samples Received Intact: M.M. Correction Factor: Samples Received Intact: Yes No Cooler Custody Seals: Yes No Sample Custody Seals: Yes No Sample Custody Seals: Yes No Total Containers: Correction Factor: Sample dentification Matrix Date FSOI S U.Z.ND FSOI S U.Z.ND FSOI V U.US FSOI V U.US FSOI V U.US FSOI V U.US	Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 AI Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo N 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

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4 5 6

12 13 14

6/30/2022

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 2482 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.	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	N/A	

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

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Job Number: 890-2482-1 SDG Number: 0302057003

List Source: Eurofins Carlsbad

Job Number: 890-2482-1 SDG Number: 0302057003

List Source: Eurofins Midland

List Creation: 06/30/22 12:06 PM

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 2482 List Number: 2 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	N/A	

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

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Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-16415-1

Laboratory Sample Delivery Group: 03D2057003 Client Project/Site: MCA 328

For:

Ensolum 705 W. Wadley Suite 210 Midland, Texas 79701

Attn: Kalei Jennings

RAMER

Authorized for release by: 6/30/2022 2:53:21 PM 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 signature.

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

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Sample Summary	19
Chain of Custody	20
Receipt Checklists	21

	Definitions/Glossary		
Client: Ensolum Project/Site: MC		Job ID: 880-16415-1 SDG: 03D2057003	2
Qualifiers			3
GC VOA Qualifier	Qualifier Description		4
U	Indicates the analyte was analyzed for but not detected.		
GC Semi VOA			5
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.		
			8
Glossary			
Abbreviation	These commonly used abbreviations may or may not be present in this report.		9
¤	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)		11
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample		13
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		

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

TEF

TEQ

TNTC

Case Narrative

Client: Ensolum Project/Site: MCA 328 Job ID: 880-16415-1 SDG: 03D2057003

Job ID: 880-16415-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-16415-1

Receipt

The samples were received on 6/29/2022 9:18 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.4°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 880-28624 and analytical batch 880-28610 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample 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.

GC Semi VOA

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-28627 and analytical batch 880-28605 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

HPLC/IC

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

4

5

RL

0.00202

0.00202

0.00202

0.00404

Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

D

Prepared

06/29/22 12:00

06/29/22 12:00

06/29/22 12:00

06/29/22 12:00

Job ID: 880-16415-1 SDG: 03D2057003

Client Sample ID: FS03

Date Collected: 06/28/22 15:50 Date Received: 06/29/22 09:18

Method: 8021B - Volatile Organic Compounds (GC)

Result Qualifier

<0.00202 U

<0.00202 U

<0.00202 U

<0.00404 U

Sample Depth: 3'

Analyte

Benzene

Toluene

Ethylbenzene

m-Xylene & p-Xylene

Project/Site: MCA 328

Client: Ensolum

Lab Sample ID: 880-16415-1

Analyzed

06/30/22 06:06

06/30/22 06:06

06/30/22 06:06

06/30/22 06:06

Matrix: Solid

Dil Fac

1

1

1

5

	-0.00404	0	0.00404	ing/itg		00/20/22 12.00	00,00,22 00.00	
o-Xylene	<0.00202	U	0.00202	mg/Kg		06/29/22 12:00	06/30/22 06:06	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		06/29/22 12:00	06/30/22 06:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130			06/29/22 12:00	06/30/22 06:06	1
1,4-Difluorobenzene (Surr)	95		70 - 130			06/29/22 12:00	06/30/22 06:06	1
Method: Total BTEX - Total BTEX C	alculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			06/30/22 15:24	1
Method: 8015 NM - Diesel Range O	rganics (DR	O) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			06/30/22 09:27	1
Method: 8015B NM - Diesel Range	Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		06/29/22 09:57	06/29/22 13:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/29/22 09:57	06/29/22 13:18	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/29/22 09:57	06/29/22 13:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130			06/29/22 09:57	06/29/22 13:18	1
o-Terphenyl	106		70 - 130			06/29/22 09:57	06/29/22 13:18	1
Method: 300.0 - Anions, Ion Chrom	atography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.7		5.00	mg/Kg			06/29/22 20:44	1
Client Sample ID: SS01						Lab Sam	ple ID: 880-1	6415-2
ate Collected: 06/28/22 16:00							Matri	x: Solid
Date Received: 06/29/22 09:18								
ample Depth: 0.5'								
- Method: 8021B - Volatile Organic C	compounds (GC)						
Analyte	-	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/29/22 12:00	06/30/22 06:27	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/29/22 12:00	06/30/22 06:27	1
Ethylbenzene	<0.00200		0 00200	ma/Ka		06/20/22 12:00	06/30/22 06:27	1

Benze Toluer Ethylbenzene <0.00200 U 0.00200 mg/Kg 06/29/22 12:00 06/30/22 06:27 1 <0.00399 U 0.00399 mg/Kg 06/29/22 12:00 06/30/22 06:27 m-Xylene & p-Xylene 1 <0.00200 U 0.00200 06/29/22 12:00 06/30/22 06:27 o-Xylene mg/Kg 1 Xylenes, Total <0.00399 U 0.00399 06/29/22 12:00 06/30/22 06:27 mg/Kg 1 Qualifier Limits Prepared Surrogate %Recovery Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 104 70 - 130 06/29/22 12:00 06/30/22 06:27

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Released to Imaging: 7/13/2022 5:10:23 PM

6/30/2022

Client Sample Results

Job ID: 880-16415-1 SDG: 03D2057003

Lab Sample ID: 880-16415-2

Matrix: Solid

5

Client Sample ID: SS01 Date Collected: 06/28/22 16:00 Date Received: 06/29/22 09:18

Sample Depth: 0.5'

Client: Ensolum

Project/Site: MCA 328

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1,4-Difluorobenzene (Surr)	92		70 - 130			06/29/22 12:00	06/30/22 06:27	
Method: Total BTEX - Total BTEX	(Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00399	U	0.00399	mg/Kg			06/30/22 15:24	
Method: 8015 NM - Diesel Range	Organics (DR	0) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<49.9	U	49.9	mg/Kg			06/30/22 09:27	
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		06/29/22 09:57	06/29/22 13:40	
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		06/29/22 09:57	06/29/22 13:40	
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/29/22 09:57	06/29/22 13:40	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	94		70 - 130			06/29/22 09:57	06/29/22 13:40	
o-Terphenyl	100		70 - 130			06/29/22 09:57	06/29/22 13:40	
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	10.0		4.98	mg/Kg			06/29/22 21:08	
lient Sample ID: SS02						Lab Sam	ple ID: 880-1	6415-3
ate Collected: 06/28/22 16:03							Matri	x: Solid

Method: 8021B - Volatile Organ	ic Compounds ((GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		06/29/22 12:00	06/30/22 06:47	1
Toluene	<0.00199	U	0.00199	mg/Kg		06/29/22 12:00	06/30/22 06:47	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		06/29/22 12:00	06/30/22 06:47	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		06/29/22 12:00	06/30/22 06:47	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		06/29/22 12:00	06/30/22 06:47	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/29/22 12:00	06/30/22 06:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130			06/29/22 12:00	06/30/22 06:47	1
1,4-Difluorobenzene (Surr)	97		70 - 130			06/29/22 12:00	06/30/22 06:47	1
- Method: Total BTEX - Total BTE	EX Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			06/30/22 15:24	1
- Method: 8015 NM - Diesel Rang	ge Organics (DR	O) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			06/30/22 09:27	1

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Job ID: 880-16415-1 SDG: 03D2057003

Lab Sample ID: 880-16415-3

Client Sample ID: SS02

Date Collected: 06/28/22 16:03 Date Received: 06/29/22 09:18

Sample Depth: 0.5'

Project/Site: MCA 328

Client: Ensolum

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		06/29/22 09:57	06/29/22 14:01	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		06/29/22 09:57	06/29/22 14:01	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/29/22 09:57	06/29/22 14:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130			06/29/22 09:57	06/29/22 14:01	1
o-Terphenyl	102		70 - 130			06/29/22 09:57	06/29/22 14:01	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.7		4.98	mg/Kg			06/29/22 21:16	1

Client Sample ID: SS03 Date Collected: 06/28/22 16:05

Date Received: 06/29/22 09:18

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/29/22 12:00	06/30/22 07:07	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/29/22 12:00	06/30/22 07:07	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/29/22 12:00	06/30/22 07:07	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		06/29/22 12:00	06/30/22 07:07	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/29/22 12:00	06/30/22 07:07	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		06/29/22 12:00	06/30/22 07:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130			06/29/22 12:00	06/30/22 07:07	1
1,4-Difluorobenzene (Surr)	95		70 - 130			06/29/22 12:00	06/30/22 07:07	1
Method: Total BTEX - Total BTEX	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			06/30/22 15:24	1
Method: 8015 NM - Diesel Range	Organics (DR	0) (GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			06/30/22 09:27	1
Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		06/29/22 09:57	06/29/22 14:23	1
(GRO)-C6-C10	<50.0		50.0	malka		06/29/22 09:57	06/29/22 14:23	1
Diesel Range Organics (Over C10-C28)	~50.0	0	50.0	mg/Kg		00/29/22 09:37	00129122 14.23	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/29/22 09:57	06/29/22 14:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130			06/29/22 09:57	06/29/22 14:23	1
I-Chiorooclarie	31		10-100			00/23/22 03.07	00/25/22 14.20	,

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		Clien	t Sample Re	sults				
Client: Ensolum							Job ID: 880-	16415-
Project/Site: MCA 328							SDG: 03D2	205700
Client Sample ID: SS03						Lab Sam	ple ID: 880-1	6415-4
Date Collected: 06/28/22 16:05							Matri	x: Soli
Date Received: 06/29/22 09:18								
Sample Depth: 0.5'								
- Mathadi 200 0 Aniana Jan Ohna		Calubla						
Method: 300.0 - Anions, Ion Chro Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	11.8		4.98	mg/Kg			06/29/22 21:23	
Client Sample ID: SS04						Lab Sam	ple ID: 880-1	6415-
Date Collected: 06/28/22 16:07								x: Soli
Date Received: 06/29/22 09:18 Sample Depth: 0.5'							Wath	x. 50m
-	Compounde							
Method: 8021B - Volatile Organic Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200		0.00200			06/29/22 12:00	06/30/22 07:28	
Toluene	< 0.00200		0.00200	mg/Kg		06/29/22 12:00	06/30/22 07:28	
Ethylbenzene	< 0.00200		0.00200	mg/Kg		06/29/22 12:00	06/30/22 07:28	
m-Xylene & p-Xylene	< 0.00401		0.00401	mg/Kg		06/29/22 12:00	06/30/22 07:28	
o-Xylene	< 0.00200		0.00200	mg/Kg		06/29/22 12:00	06/30/22 07:28	
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		06/29/22 12:00	06/30/22 07:28	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	103		70 - 130			06/29/22 12:00	06/30/22 07:28	
1,4-Difluorobenzene (Surr)	95		70 - 130			06/29/22 12:00	06/30/22 07:28	
_ Method: Total BTEX - Total BTEX	Calculation							
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00401	U	0.00401	mg/Kg			06/30/22 15:24	
- Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<49.9	U	49.9	mg/Kg			06/30/22 09:27	
- Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		06/29/22 09:57	06/29/22 14:44	
(GRO)-C6-C10 Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		06/29/22 09:57	06/29/22 14:44	
C10-C28)	.5.0							
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/29/22 09:57	06/29/22 14:44	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	96		70 - 130			06/29/22 09:57	06/29/22 14:44	
o-Terphenyl	104		70 - 130			06/29/22 09:57	06/29/22 14:44	
Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	16.9		5.04	mg/Kg			06/29/22 21:31	

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Surrogate Summary

Client: Ensolum Project/Site: MCA 328

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

Percent Surrogate Recovery (Acceptance Limits) BFB1 DFBZ1 Lab Sample ID Client Sample ID (70-130) (70-130) 880-16414-A-21-A MS Matrix Spike 107 103 880-16414-A-21-B MSD Matrix Spike Duplicate 113 101 880-16415-1 FS03 109 95 SS01 880-16415-2 104 92 880-16415-3 SS02 105 97 SS03 880-16415-4 105 95 880-16415-5 SS04 103 95 LCS 880-28624/1-A 107 98 Lab Control Sample LCSD 880-28624/2-A Lab Control Sample Dup 110 102 MB 880-28616/5-A Method Blank 99 96 MB 880-28624/5-A Method Blank 99 97 Surrogate Legend BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-16414-A-21-E MS	Matrix Spike	107	97
880-16414-A-21-F MSD	Matrix Spike Duplicate	92	83
880-16415-1	FS03	100	106
880-16415-2	SS01	94	100
880-16415-3	SS02	93	102
880-16415-4	SS03	91	98
880-16415-5	SS04	96	104
LCS 880-28627/2-A	Lab Control Sample	99	104
LCSD 880-28627/3-A	Lab Control Sample Dup	90	93
MB 880-28627/1-A	Method Blank	99	111

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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Job ID: 880-16415-1 SDG: 03D2057003

Prep Type: Total/NA

Prep Type: Total/NA

QC Sample Results

5

Job ID:	880-16415-1
SDG:	03D2057003

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Client: Ensolum Project/Site: MCA 328

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-28616/5-A										Client Sa	mple ID: Meth		
Matrix: Solid											Prep Type:		
Analysis Batch: 28610											Prep Bate	:h: 28	361
Analyta		MB M 		ы		Unit		n	ь.	renered	Analyzad		il Fa
Analyte Benzene	<0.002		Qualifier			Unit mg/K		D		repared	Analyzed 06/29/22 11:24		ГГа
						-	-			9/22 09:14			
	< 0.002			0.00200		mg/K	-			9/22 09:14	06/29/22 11:24		
Ethylbenzene	<0.002			0.00200		mg/K				9/22 09:14	06/29/22 11:24		
m-Xylene & p-Xylene	< 0.004			0.00400		mg/K				9/22 09:14	06/29/22 11:24		
o-Xylene	<0.002			0.00200		mg/K				9/22 09:14	06/29/22 11:24		
Xylenes, Total	<0.004	00 l	J	0.00400		mg/K	g		06/2	9/22 09:14	06/29/22 11:24		
		ИВ І	ИВ										
Surrogate	%Recov	ery (Qualifier	Limits					PI	repared	Analyzed	Di	il Fa
4-Bromofluorobenzene (Surr)		99		70 - 130				_	06/2	9/22 09:14	06/29/22 11:24		
1,4-Difluorobenzene (Surr)		96		70 - 130					06/2	9/22 09:14	06/29/22 11:24		
Lab Sample ID: MB 880-28624/5-A										Client Sa	mple ID: Meth	od Bl	lar
Matrix: Solid										onent oa	Prep Type:		
Analysis Batch: 28610											Prep Bate		
Analysis Datch. 20010		иви	/IB								Frep Date		102
Analyte			Qualifier	RL		Unit		D	D,	repared	Analyzed	ы	il Fa
Benzene	<0.002			0.00200		mg/K				9/22 09:20	06/29/22 23:02		
Toluene	<0.002			0.00200		mg/K	-			9/22 09:20	06/29/22 23:02		
						-	-						
Ethylbenzene	<0.002			0.00200		mg/K				9/22 09:20	06/29/22 23:02		
m-Xylene & p-Xylene	< 0.004			0.00400		mg/K				9/22 09:20	06/29/22 23:02		
o-Xylene	< 0.002			0.00200		mg/K	-			9/22 09:20	06/29/22 23:02		
Xylenes, Total	<0.004	.00 l	J	0.00400		mg/K	g		06/2	9/22 09:20	06/29/22 23:02		
		ив і	ИВ										
Surrogate	%Recov	ery (Qualifier	Limits					PI	repared	Analyzed	Di	il Fa
4-Bromofluorobenzene (Surr)		99		70 - 130				_	06/2	9/22 09:20	06/29/22 23:02		
1,4-Difluorobenzene (Surr)		97		70 - 130					06/2	9/22 09:20	06/29/22 23:02		
Lab Sample ID: LCS 880-28624/1-/	^							CI	iont	Sample	D: Lab Contro	I San	
Matrix: Solid								01	em	Jampie	Prep Type:		
Analysis Batch: 28610											Prep Bate		
Analysis Datch. 20010				Spike	LCS	LCS					%Rec		102
Analyte				Added		Qualifier	Unit		п	%Rec	Limits		
Benzene				0.100	0.08406	Quanner	mg/Kg		_	84	70 - 130		
Toluene				0.100	0.09562					96	70 - 130		
							mg/Kg						
Ethylbenzene				0.100	0.08441		mg/Kg			84	70 - 130		
m-Xylene & p-Xylene				0.200	0.1710		mg/Kg			86 100	70 - 130		
p-Xylene				0.100	0.1001		mg/Kg			100	70 - 130		
	LCS I												
	Recovery	Qualif	ier	Limits									
4-Bromofluorobenzene (Surr)	107			70 - 130									
1,4-Difluorobenzene (Surr)	98			70 - 130									
Lab Sample ID: LCSD 880-28624/2	2-A						Clie	ent S	Sam	ple ID: La	ab Control Sar	nple l	Du
Matrix: Solid											Prep Type:		
Analysis Batch: 28610											Prep Bate		
-				Spike	LCSD	LCSD					%Rec		RF
									_	0/ D	Line Mar D		
Analyte				Added	Result	Qualifier	Unit		D	%Rec	Limits RI	ו טי	Lim

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Client: Ensolum

Project/Site: MCA 328

QC Sample Results

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Job ID: 880-16415-1 SDG: 03D2057003

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

Lab Sample ID: LCSD 880-286 Matrix: Solid	24/2-A					Cli	ent S	Sam	ple ID: L	ab Control ۱ Prep Ty		
Analysis Batch: 28610			0	1.000	1.000					Prep B	atch.	
Analyta			Spike Added		LCSD Qualifier	Unit		n	% Boo	%Rec	RPD	RPE
Analyte						Unit		<u>D</u>	%Rec	Limits		Limi
Toluene			0.100	0.1002		mg/Kg			100	70 - 130	5	3
Ethylbenzene			0.100	0.08941		mg/Kg			89	70 - 130	6	3
m-Xylene & p-Xylene			0.200	0.1805		mg/Kg			90	70 - 130	5	3
o-Xylene			0.100	0.1055		mg/Kg			105	70 - 130	5	3
	LCSD LO	CSD										
Surrogate	%Recovery Q	ualifier	Limits									
4-Bromofluorobenzene (Surr)	110		70 - 130									
1,4-Difluorobenzene (Surr)	102		70 - 130									
Nethod: 8015B NM - Diese - Lab Sample ID: MB 880-28627/		anics (DF	RO) (GC)						Client Sa	ample ID: Me	ethod	Blan
Matrix: Solid										Prep Ty		
Analysis Batch: 28605										Prep B		
	м	в мв										
Analyte		It Qualifier	RL		Unit		D	Р	repared	Analyzed	1	Dil Fa
Gasoline Range Organics		.0 U			mg/Kg				9/22 09:57	06/29/22 10:		Diria
(GRO)-C6-C10			0010					00/2	0,22 00.01	00/20/22 10		
Diesel Range Organics (Over C10-C28)	<50	.0 U	50.0		mg/Kg			06/2	9/22 09:57	06/29/22 10:	:05	
Oll Range Organics (Over C28-C36)	<50	.0 U	50.0		mg/Kg			06/2	9/22 09:57	06/29/22 10:	:05	
		B MB										
Surrogate		ry Qualifier	Limits				_	P	repared	Analyzed	<u> </u>	Dil Fa
1-Chlorooctane	ç	99	70 - 130					06/2	9/22 09:57	06/29/22 10	:05	
o-Terphenyl	1:	11	70 - 130					06/2	9/22 09:57	06/29/22 10	:05	
Lab Sample ID: LCS 880-2862	7/2-4						Cli	iont	Sample	ID: Lab Con	trol S	amnl
Matrix: Solid									oumpio	Prep Typ		
Analysis Batch: 28605										Prep B		
Analysis Batch. 20005			Spike	LCS	LCS					%Rec	aton.	2002
Analyte			Added		Qualifier	Unit		D	%Rec	Limits		
Gasoline Range Organics			1000	874.4		mg/Kg		_		70 - 130		
(GRO)-C6-C10				074.4					07			
Diesel Range Organics (Over C10-C28)			1000	1061		mg/Kg			106	70 - 130		
	LCS L	cs										
Surrogate		ualifier	Limits									
1-Chlorooctane	99		70 - 130									
o-Terphenyl	104		70 - 130									
· · · · · · · · · · · · · · · · · · ·												
Lab Sample ID: LCSD 880-286	27/3-A					Cli	ent S	Sam	ple ID: L	ab Control S	Sampl	e Duj
Matrix: Solid										Ргер Ту	be: To	tal/N
Analysis Batch: 28605										Prep B	atch:	2862
-			Spike	LCSD	LCSD					%Rec		RP
Analyte			Added	Result	Qualifier	Unit		D	%Rec	Limits	RPD	Limi
Gasoline Range Organics			1000	791.5		mg/Kg		_	79	70 - 130	10	2
(GRO)-C6-C10												
Diesel Range Organics (Over			1000	917 5		ma/Ka			92	70 130	15	20

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15

20

Diesel Range Organics (Over

C10-C28)

917.5

mg/Kg

92

70 - 130

1000

Job ID: 880-16415-1 SDG: 03D2057003

Client: Ensolum Project/Site: MCA 328

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

Lab Sample ID: LCSD 880-280 Matrix: Solid	627/3-A					CI	ient Sa	mple ID:	Lab Contro Prep 1	l Sampl ype: To	-
Analysis Batch: 28605									Prep	Batch:	28627
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	90		70 - 130	-							
o-Terphenyl	93		70 _ 130								
Method: 300.0 - Anions, Io	on Chromat	ography									
Lab Sample ID: MB 880-28628	B/1-A							Client	Sample ID:	Method	Blan
Matrix: Solid									Prep	Type: S	olubl
Analysis Batch: 28663											
		MB MB									
Analyte	R	esult Qualifier		RL	Unit		D	Prepared	Analyz	ed	Dil Fa
Chloride	<	<5.00 U		5.00	mg/K	g			06/29/22	20:21	
Lab Sample ID: LCS 880-2862	28/2-A						Clier	nt Sample	e ID: Lab Co	ontrol S	ample
Matrix: Solid										Type: S	
Analysis Batch: 28663											
-			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride			250	255.2		mg/Kg		102	90 _ 110		
Lab Sample ID: LCSD 880-28	628/3-A					CI	ient Sa	mple ID:	Lab Contro	I Sampl	e Dur
Matrix: Solid									Prep	Type: S	olubl
Analysis Batch: 28663											
			Spike	LCSD	LCSD				%Rec		RPI
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limi
Chloride			250	253.3		mg/Kg		101	90 - 110	1	20
- Lab Sample ID: 880-16415-1 M	NS								Client Sa	mple ID:	: FS0:
Matrix: Solid										· Type: S	
Analysis Batch: 28663											
-	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	15.7		250	266.3		mg/Kg		100	90 _ 110		
Lab Sample ID: 880-16415-1	ISD								Client Sa	mple ID:	: FS0:
Matrix: Solid										Type: S	
Analysis Batch: 28663											
-	Sample	Sample	Spike	MSD	MSD				%Rec		RPI
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limi
	15.7		250	271.0				102	90 - 110	2	20

QC Association Summary

Client: Ensolum Project/Site: MCA 328 Job ID: 880-16415-1 SDG: 03D2057003

GC VOA

Analysis Batch: 28610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16415-1	FS03	Total/NA	Solid	8021B	28624
880-16415-2	SS01	Total/NA	Solid	8021B	28624
880-16415-3	SS02	Total/NA	Solid	8021B	28624
880-16415-4	SS03	Total/NA	Solid	8021B	28624
880-16415-5	SS04	Total/NA	Solid	8021B	28624
MB 880-28616/5-A	Method Blank	Total/NA	Solid	8021B	28616
MB 880-28624/5-A	Method Blank	Total/NA	Solid	8021B	28624
LCS 880-28624/1-A	Lab Control Sample	Total/NA	Solid	8021B	28624
LCSD 880-28624/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	28624

Lab Sample IDClient Sample IDPrep TypeMatrixMethodPrep BatchMB 880-28616/5-AMethod BlankTotal/NASolid5035

Prep Batch: 28624

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch	
880-16415-1	FS03	Total/NA	Solid	5035		
880-16415-2	SS01	Total/NA	Solid	5035		
880-16415-3	SS02	Total/NA	Solid	5035		
880-16415-4	SS03	Total/NA	Solid	5035		
880-16415-5	SS04	Total/NA	Solid	5035		
MB 880-28624/5-A	Method Blank	Total/NA	Solid	5035		
LCS 880-28624/1-A	Lab Control Sample	Total/NA	Solid	5035		
LCSD 880-28624/2-A	Lab Control Sample Dup	Total/NA	Solid	5035		

Analysis Batch: 28768

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-16415-1	FS03	Total/NA	Solid	Total BTEX	
880-16415-2	SS01	Total/NA	Solid	Total BTEX	
880-16415-3	SS02	Total/NA	Solid	Total BTEX	
880-16415-4	SS03	Total/NA	Solid	Total BTEX	
880-16415-5	SS04	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 28605

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-16415-1	FS03	Total/NA	Solid	8015B NM	28627
880-16415-2	SS01	Total/NA	Solid	8015B NM	28627
880-16415-3	SS02	Total/NA	Solid	8015B NM	28627
880-16415-4	SS03	Total/NA	Solid	8015B NM	28627
880-16415-5	SS04	Total/NA	Solid	8015B NM	28627
MB 880-28627/1-A	Method Blank	Total/NA	Solid	8015B NM	28627
LCS 880-28627/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	28627
LCSD 880-28627/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	28627

Prep Batch: 28627

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-16415-1	FS03	Total/NA	Solid	8015NM Prep	
880-16415-2	SS01	Total/NA	Solid	8015NM Prep	
880-16415-3	SS02	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Ensolum Project/Site: MCA 328

GC Semi VOA (Continued)

Prep Batch: 28627 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16415-4	SS03	Total/NA	Solid	8015NM Prep	
880-16415-5	SS04	Total/NA	Solid	8015NM Prep	
MB 880-28627/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-28627/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-28627/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
Analysia Patahy 29724					
Analysis Batch: 28731					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-16415-1	FS03	Total/NA	Solid	8015 NM	
880-16415-2	SS01	Total/NA	Solid	8015 NM	
880-16415-3	SS02	Total/NA	Solid	8015 NM	
880-16415-4	SS03	Total/NA	Solid	8015 NM	
880-16415-5	SS04	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 28628

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16415-1	FS03	Soluble	Solid	DI Leach	/
880-16415-2	SS01	Soluble	Solid	DI Leach	
880-16415-3	SS02	Soluble	Solid	DI Leach	
880-16415-4	SS03	Soluble	Solid	DI Leach	
880-16415-5	SS04	Soluble	Solid	DI Leach	
MB 880-28628/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-28628/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-28628/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-16415-1 MS	FS03	Soluble	Solid	DI Leach	
880-16415-1 MSD	FS03	Soluble	Solid	DI Leach	

Analysis Batch: 28663

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-16415-1	FS03	Soluble	Solid	300.0	28628
880-16415-2	SS01	Soluble	Solid	300.0	28628
880-16415-3	SS02	Soluble	Solid	300.0	28628
880-16415-4	SS03	Soluble	Solid	300.0	28628
880-16415-5	SS04	Soluble	Solid	300.0	28628
MB 880-28628/1-A	Method Blank	Soluble	Solid	300.0	28628
LCS 880-28628/2-A	Lab Control Sample	Soluble	Solid	300.0	28628
LCSD 880-28628/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	28628
880-16415-1 MS	FS03	Soluble	Solid	300.0	28628
880-16415-1 MSD	FS03	Soluble	Solid	300.0	28628

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Job ID: 880-16415-1

SDG: 03D2057003

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Job ID: 880-16415-1 SDG: 03D2057003

Lab Sample ID: 880-16415-1 Matrix: Solid

Lab Sample ID: 880-16415-2

Lab Sample ID: 880-16415-3

Lab Sample ID: 880-16415-4

Matrix: Solid

Matrix: Solid

Client Sample ID: FS03 Date Collected: 06/28/22 15:50 Date Received: 06/29/22 09:18

Client: Ensolum

Project/Site: MCA 328

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			28624	06/29/22 12:00	MR	XEN MID
Total/NA	Analysis	8021B		1	28610	06/30/22 06:06	MR	XEN MID
Total/NA	Analysis	Total BTEX		1	28768	06/30/22 15:24	SM	XEN MID
Total/NA	Analysis	8015 NM		1	28731	06/30/22 09:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			28627	06/29/22 09:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1	28605	06/29/22 13:18	AJ	XEN MID
Soluble	Leach	DI Leach			28628	06/29/22 09:58	СН	XEN MID
Soluble	Analysis	300.0		1	28663	06/29/22 20:44	СН	XEN MID

Client Sample ID: SS01

Date Collected: 06/28/22 16:00

Date Received: 06/29/22 09:18

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			28624	06/29/22 12:00	MR	XEN MID
Total/NA	Analysis	8021B		1	28610	06/30/22 06:27	MR	XEN MID
Total/NA	Analysis	Total BTEX		1	28768	06/30/22 15:24	SM	XEN MID
Total/NA	Analysis	8015 NM		1	28731	06/30/22 09:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			28627	06/29/22 09:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1	28605	06/29/22 13:40	AJ	XEN MID
Soluble	Leach	DI Leach			28628	06/29/22 09:58	СН	XEN MID
Soluble	Analysis	300.0		1	28663	06/29/22 21:08	СН	XEN MID

Client Sample ID: SS02

Date Collected: 06/28/22 16:03

Date Received: 06/29/22 09:18

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			28624	06/29/22 12:00	MR	XEN MID
Total/NA	Analysis	8021B		1	28610	06/30/22 06:47	MR	XEN MID
Total/NA	Analysis	Total BTEX		1	28768	06/30/22 15:24	SM	XEN MID
Total/NA	Analysis	8015 NM		1	28731	06/30/22 09:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			28627	06/29/22 09:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1	28605	06/29/22 14:01	AJ	XEN MID
Soluble	Leach	DI Leach			28628	06/29/22 09:58	СН	XEN MID
Soluble	Analysis	300.0		1	28663	06/29/22 21:16	СН	XEN MID

Client Sample ID: SS03 Date Collected: 06/28/22 16:05 Date Received: 06/29/22 09:18

_	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			28624	06/29/22 12:00	MR	XEN MID
Total/NA	Analysis	8021B		1	28610	06/30/22 07:07	MR	XEN MID
Total/NA	Analysis	Total BTEX		1	28768	06/30/22 15:24	SM	XEN MID

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Matrix: Solid

Released to Imaging: 7/13/2022 5:10:23 PM

Job ID: 880-16415-1 SDG: 03D2057003

Matrix: Solid

Matrix: Solid

5

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Lab Sample ID: 880-16415-4

Client Sample ID: SS03 Date Collected: 06/28/22 16:05

Client: Ensolum

Project/Site: MCA 328

Date Received: 06/29/22 09:18

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1	28731	06/30/22 09:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			28627	06/29/22 09:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1	28605	06/29/22 14:23	AJ	XEN MID
Soluble	Leach	DI Leach			28628	06/29/22 09:58	СН	XEN MID
Soluble	Analysis	300.0		1	28663	06/29/22 21:23	СН	XEN MID

Client Sample ID: SS04 Date Collected: 06/28/22 16:07

Date Received: 06/29/22 09:18

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			28624	06/29/22 12:00	MR	XEN MID
Total/NA	Analysis	8021B		1	28610	06/30/22 07:28	MR	XEN MID
Total/NA	Analysis	Total BTEX		1	28768	06/30/22 15:24	SM	XEN MID
Total/NA	Analysis	8015 NM		1	28731	06/30/22 09:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			28627	06/29/22 09:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1	28605	06/29/22 14:44	AJ	XEN MID
Soluble	Leach	DI Leach			28628	06/29/22 09:58	СН	XEN MID
Soluble	Analysis	300.0		1	28663	06/29/22 21:31	СН	XEN MID

Laboratory References:

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

Eurofins Midland

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Accreditation/Certification Summary

Client: Ensolum Project/Site: MCA 328

Laboratory: Eurofins Midland

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

uthority	P	rogram	Identification Number	Expiration Date
exas	N	ELAP	T104704400-21-22	06-30-22
The following analytes	are included in this report, b	ut the laboratory is not certif	ied by the governing authority. This list ma	ay include analytes for
the agency does not o	fer certification.			
the agency does not o Analysis Method	fer certification. Prep Method	Matrix	Analyte	
8 ,		Matrix Solid	Analyte Total TPH	

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Job ID: 880-16415-1

SDG: 03D2057003

Client: Ensolum Project/Site: MCA 328 Job ID: 880-16415-1 SDG: 03D2057003

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

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Sample Summary

Client: Ensolum Project/Site: MCA 328

b Sample ID	Client Sample ID	Matrix	Collected	Received	Depth	
0-16415-1	FS03	Solid	06/28/22 15:50	06/29/22 09:18	3'	
0-16415-2	SS01	Solid	06/28/22 16:00	06/29/22 09:18	0.5'	
0-16415-3	SS02	Solid	06/28/22 16:03	06/29/22 09:18	0.5'	
0-16415-4	SS03	Solid	06/28/22 16:05	06/29/22 09:18	0.5'	
0-16415-5	SS04	Solid	06/28/22 16:07	06/29/22 09:18	0.5'	

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Revised Date: 08/25/2020 Rev 2020		6					σ
		4				0	3
		2	29.22	6	A / M	MMros 7	the Xaley Xun
lure) Date/Time) Received by: (Signature)	Relinquished by: (Signature)	Date/Time	ture)	Received by. (Signature)	(Signature)	Relinquished by (Signature)
ed.	the enforced unless previously negotiat	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.	le submitted to Eurofins	harge of \$5 for each samp	pplied to each project and a c	um charge of \$85.00 will be a	of Eurofins Xenco. A minim
	ssigns standard terms and conditions	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 sarvice. 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 havond the contro	company to Eurofins Xe iny losses or expenses i	urchase order from client ime any responsibility for a	samples constitutes a valid p of samples and shall not assu	cument and relinquishment of will be liable only for the cost	of service. Eurofins Xenco
Hg 1631/2451/7470/7471	Se Ag TIU Hg 1631	Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U	Sb As Ba Be C	ICLY / SPLP SUID BRUKA			
Na Sr TI Sn U V Zn	K Se Ag SiO ₂	Cd Ca Cr Co Cu Fe Pb Mg	Sb As Ba Be B		8RC	0 200.8 / 6020:	iotal 200.7 / 6010
					HI		
-							
	880-16415 Chain of Custody						
			XXX	0.5 0 1	0-28-22 16°07	S	1055
			XXX		16.05		SS03
			XXX	05 C	6-28-22 16 03		5502
			XXX	05' C I	16:00		5501
			XXX	3 C	10-28-22 15.50	5	FS03
Sample Comments			CHLO TPH (4 BTEX	Depth Grap/ # of Comp Cont	Sampled Sampled	Matrix	Sample Identification
NaOH+Ascorbic Acid SAPC			3015)	2			Total Containers.
Zn Acetate+NaOH Zn			·····	ė	Temperature Reading	Yes No MA	Sample Custody Seals
Na ₂ S ₂ O ₃ . NaSO ₃			PA, :	,1 2 Pi	Correction Factor	Yes NO (NA)	Cooler Custody Seals.
NaHSO4 NABIS			300.1	HDD	Thermometer ID:	(Yes) No	Samples Received Intact:
•			0)	Kes Zo	Yes No Wet Ice:	T Teans Blank	SAMPLE RECEIPT
H-SO4 H- NaOH Na							PO#
				TAT starts the day received by		Hadlie Green	Sampler's Name:
-				24 HR /	Due Date:		Project Location
None NO Di Water: H.O				X Rush Code	/ Routine	0302057003	Project Number
Preservative Codes	T	ANALYSIS REQUEST		Turn Around	Tum	MCA .328	Project Name:
ADaPT Other	Deliverables. EDD X ADal		n com	Email kjennings@ensolum.com	Email	817-683-2503	Phone: 8
	Reporting Level II 🕅 Level III 🗍 PST/UST 🗍 TRRP 🗍	R	Midland, TX 79701	City, State ZIP		Midland, TX 79701	City, State ZIP A
	State of Project:		601 N Marienfeld St Suite 400	Address.	ite 400	601 N Marienfeld St Suite 400	Address. 6
vnfields RRC Superfund	Program: UST/PST PRP Brownfields RRC Superfund	Pr	Ensolum, LLC	Company Name.		Ensolum, LLC	Company Name: E
omments	Work Order Comments		Kalei Jennigns	Bill to (if different)		Kaler Jennings	Project Manager K
n Page of	www.xenco.com						
		EL Fasy, FA (919) 303-3443, Lubbock, FA (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	(919) 303-3443, Lubbo (575) 392-7550, Cartsb	Hobbs, NM (
o: Trocho	Work Order No:	Midland TX (432) 704-5440, San Antonio, TX (210) 509-3334	(32) 704-5440, San Ani	Midland TX (4	0	Xerco	
		Houston TX (281) 240-4200 Dallas TX (214) 902-0300	(281) 240-4200 Dall	Houston T	Townonment Testing		

se eurofins

5 6

12 13

Chain of Custody

Job Number: 880-16415-1 SDG Number: 03D2057003

List Source: Eurofins Midland

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 16415 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	N/A	

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

14



APPENDIX D

Final C-141

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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

)

Page 63 bf 75

Incident ID	NAPP2201143320
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # (assigned by OCD)
Contact mailing address	

Location of Release Source

Latitude	

(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type
Date Release Discovered	API# (if applicable)

Unit Letter	Section	Township	Range	County

Surface Owner: State Federal Tribal Private (Name: _

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release		

Page 2

Incident ID	NAPP2201143320
District RP	
Facility ID	
Application ID	

Was this a major	If YES, for what reason(s) does the responsible party consider this a major release?
release as defined by	
19.15.29.7(A) NMAC?	
Yes No	
If YES, was immediate n	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

The impacted area has been secured to protect human health and the environment.

The source of the release has been stopped.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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	Title:
Signature:	Date:
email:	Telephone:
OCD Only	
Received by: Ramona Marcus	Date: <u>1/21/2022</u>

L48 Spill Volume Estimate Form

# /# /0\0 0 0 /0 /0 /0 /0 /0 /0 /0 /0 /0 /0 /0 /	004/1386		L48 Spill Volume	Estimate Form				D D (22) (22
1/1/2022/10:33	321 OAM Ty Name & Number:	MCA 328						Page 65 of 175
	Asset Area:	Maljamar				NAPP22	01143320	
Rele	ease Discovery Date & Time:	01/06/2022 8:00ar	n					
	Release Type:	Oil Mixture						
Provide any kn	own details about the event:	Flowline Leak due	to freezing Temps.	and the second				
			Spill Calculation - Subsu	rface Spill - Rectangle				
Was the	e release on pad or off-pad?		and the second se	See reference table	e below			
rained at least a h	alf inch in the last 24 hours?			See reference table	e below		-	
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.)
40.0	12.0	8.00	8.00%	56.960	4.557	2.00%	0.091	4.466
0.0	0.0	0.00	0.00%	0.000	0.000	0.00%	0.000	0.000
31				0.000	0.000	1	0.000	0.000
1		1	3	0.000	0.000	1	0.000	0.000
31		2		0.000	0.000	1	0.000	0.000
31				0.000	0.000	1	0.000	0.000
3				0.000	0.000	1	0.000	0.000
		2		0.000	0.000	1	0.000	0.000
1				0.000	0.000	14 H	0.000	0.000
a. 7/12/2022 5	·10·22 DM			0.000	0.000	1	0.000	0.000
5. 11 13/ 40 44 3.	10.25 1 11			Total Volume Release:	4.557		0.091	4.466
	Rel Provide any kn Was the ained at least a h Length (ft.) 40.0 0.0	Asset Area: Release Discovery Date & Time: Release Type: Provide any known details about the event: Was the release on pad or off-pad? ained at least a half inch in the last 24 hours? Length Width (ft.) (ft.) 40.0 12.0	Release Type: Oil Mixture Provide any known details about the event: Flowline Leak due Was the release on pad or off-pad?	MARY Name & Number: MCA 328 Asset Area: Maljamar Release Discovery Date & Time: 01/06/2022 8:00am Release Type: Oil Mixture Provide any known details about the event: Flowline Leak due to freezing Temps. Spill Calculation - Subsu Was the release on pad or off-pad? ained at least a half inch in the last 24 hours? Length Width Depth (ft.) (ft.) Soil Spilled-Fluid Saturation 40.0 12.0 8.00 8.00% 0.0 0.0 0.00 0.00%	Asset Area: Maijamar Release Discovery Date & Time: 01/06/2022 8:00 am Release Type: 011 Mixture Provide any known details about the event: Flowline Leak due to freezing Temps. Spill Calculation - Subsurface Spill - Rectangle See reference table ained at least a half inch in the last 24 hours? Length Width Depth Soil Spilled-Fluid Saturation Estimated volume of each area (ft.) (ft.) 8.00 8.00% 56.960 0.0 0.0 0.000 0.000 0.000 0.0 0.00 0.000 0.000 0.000 0.0 0.00 0.000 0.000 0.000 0.0 0.00 0.000 0.000 0.000 0 0.000 0.000 0.000 0.000 0 0 0.000 0.000 0.000	With the second secon	WI202210333214444 y Name & Number: MCA 328 NAPP22 Asset Area: Majamar NAPP22 Release Discovery Date & Time: 01/06/2022 8:00am 01/06/2022 8:00am Release Discovery Date & Time: 01/06/2022 8:00am 01/06/2022 8:00am Provide any known details about the event: Flowine Leak due to freezing Temps. See reference table below Was the release on pad or off-pad? Spill Calculation - Subsurface Spill - Rectangle Vertails Percentage of Oil if Length Width Depth Soil Spilled-Fluid Saturation Estimated volume of each area Total Estimated Volume of 5pill Percentage of Oil if 40.0 12.0 8.00 8.00% 56.960 4.557 2.00% 0.0 0.00 0.00% 0.000 0.000 0.00% 0.000 0.00% 0.0 0.00 0.00% 0.000 0.000 0.00% 0.000 0.00%	MCA 328 NAPP2201143320 Asset Area Majamar NAPP2201143320 Release Discovery Date & Time: DIMOS/2022 8:00am Spill Calculation - Subsurface Spill - Rectangle Was the release on pad or off-pad? See reference table below Length Width Depth (ft.) Soil Spilled-Fluid Saturation Total Estimated Volume of Spill (bbl.) Mixture A 0.0 8.00 8.00% Colspan= 2.00% OUMStruct Under Call Estimated volume of each area (bbl.) Total Estimated Volume of Spill (bbl.) Mixture Volume of Spill (bbl.) Mixture

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

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

District III

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

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

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

CONDITIONS

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	73870
	Action Type:
	[C-141] Release Corrective Action (C-141)
CONDITIONS	

Created By		Condition Date
rmarcus	None	1/21/2022

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NAPP2201143320

Action 73870

Page 3

Oil Conservation Division

	I uge 07 0j
Incident ID	NAPP2201143320
District RP	
Facility ID	
Application ID	

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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>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 wells.
- Field data
- Data table of soil contaminant concentration data
- \square Depth to water determination
- Determination of water sources and significant watercourses within ¹/₂-mile of the lateral extents of the release
- \boxtimes 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.

Form C-141 Page 4	State of New Me Oil Conservation I		Incident ID District RP Facility ID Application ID	NAPP2201143320
regulations all operators and public health or the enviro failed to adequately invest addition, OCD acceptance and/or regulations.	formation given above is true and com re required to report and/or file certain nment. The acceptance of a C-141 rep igate and remediate contamination tha of a C-141 report does not relieve the ason Thomas	release notifications and perfo port by the OCD does not relie t pose a threat to groundwater, operator of responsibility for	orm corrective actions for releve the operator of liability sh, surface water, human health	eases which may endanger ould their operations have or the environment. In
Signature:	nas@mavresources.com	Date:	05/2022	
OCD Only Received by:		Date:		

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State of New Mexico Oil Conservation Division

Incident ID	NAPP2201143320
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.

we can end of the sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.			
Closure Report Attachment Checklist: Each of the 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 backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)			
Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)			
Description of remediation activities			
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete. Printed Name:			
OCD Only Date:			
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.			
Closure Approved by: Qennifer Nobui Date:07/13/2022			
Printed Name: Jennifer Nobui Title: Environmental Specialist A			



APPENDIX E

NMOCD Notifications

From:	Nobui, Jennifer, EMNRD
То:	Kalei Jennings
Cc:	Bratcher, Mike, EMNRD; Hamlet, Robert, EMNRD; Harimon, Jocelyn, EMNRD
Subject:	FW: [EXTERNAL] Maverick- Sampling Notification (Week of 06/27/22-07/01/22)
Date:	Friday, June 24, 2022 11:30:50 AM
Attachments:	image001.png
	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, June 23, 2022 3:01 PM
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] Maverick- Sampling Notification (Week of 06/27/22-07/01/22)

From: Kalei Jennings <<u>kjennings@ensolum.com</u>>
Sent: Thursday, June 23, 2022 1:30 PM
To: Enviro, OCD, EMNRD <<u>OCD.Enviro@state.nm.us</u>>
Subject: [EXTERNAL] Maverick- Sampling Notification (Week of 06/27/22-07/01/22)

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 27, 2022.

Monday:

- Hudson 001 / NAPP2201142906
- MCA 328 / NAPP2201143320
- MCA 308 / NAPP2202535435

Tuesday:

• MCA 308 / NAPP2202535435

Wednesday:

• MCA 308 / NAPP2202535435

Thursday:

Friday:

Thank you,



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

From:	Nobui, Jennifer, EMNRD
То:	Kalei Jennings
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:	image001.png
	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>kjennings@ensolum.com</u>>
Sent: Tuesday, June 21, 2022 8:33 AM
To: Enviro, OCD, EMNRD <<u>OCD.Enviro@state.nm.us</u>>
Cc: Thomas Haigood <<u>Thomas.Haigood@mavresources.com</u>>
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,



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

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

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

District III

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

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

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

CONDITIONS

Operator:	OGRID:
Maverick Permian LLC	331199
1111 Bagby Street Suite 1600	Action Number:
Houston, TX 77002	123419
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By		Condition Date
jnobui	Closure Report Approved. Please note that 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 data should be no more than 25 years old. However, as the site has been remediated to the most stringent criteria, closure can be granted.	7/13/2022

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Action 123419