E N S O L U M

March 31, 2023

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

Re: Closure Request Addendum Corvo Federal 4 CTB Incident Number NAPP2217430297 Lea County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of COG Operating, LLC (COG), has prepared this *Closure Request Addendum* to provide an update to the depth to groundwater determination investigation and soil sampling activities performed at the Corvo Federal 4 CTB (Site). The purpose of groundwater determination investigation and soil sampling activities was to address a denial of the *Closure Request*, dated November 1, 2022, by the New Mexico Oil Conservation Division (NMOCD). In the denial, NMOCD expressed concern that the depth to groundwater assessment was inadequate and the release had not been adequately delineated. Based on additional investigation of depth to groundwater, COG is requesting closure for Incident Number NAPP2217430297.

All of the release details regarding the incident, Site characterization, and remediation conducted can be referenced in the original *Closure Request*. NMOCD denied the *Closure Request* on November 29, 2022, for the following reason:

Closure Report Denied. 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, and well construction information should be provided in the submission. The responsible party may choose to remediate to the most stringent levels listed in Table 1 of 19.15.29 NMAC in lieu of drilling to determine the depth to groundwater. Release has not been adequately delineated. Lateral samples should be delineated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. In addition, samples collected for lateral delineation should not be over 120 feet away from the release (SS04).

Following a review of the comments provided, COG submitted clarifications and requested NMOCD reconsider approval of the *Closure Request* on December 9, 2022. In summary, the release was remediated to the strictest Table I Closure Criteria. In addition, delineation samples were collected outside of the excavation extent in a method that has previously been acceptable by NMOCD to confirm the release did not migrate off pad. All delineation samples are also compliant with the strictest Table I Closure Criteria. Therefore, COG respectfully requested reconsideration of approval of the *Closure Request*, submitted as is, based on the clarifications provided above; however, NMOCD has yet to respond.

ADDITIONAL DATA

While waiting for NMOCD's response, COG proactively accessed depth to groundwater beneath the Site. Depth to groundwater at the Site has been confirmed to be greater than 100 feet below ground surface (bgs) based on additional depth to water data, presented in the *Remediation Work Plan* for Incident Number NAPP2124346388 and approved by NMOCD on April 27, 2022. One boring (BH01) was drilled via air rotary in February of 2021 to a depth of 105 feet bg, located approximately 0.5 miles southeast of the Site.. Groundwater was not encountered while drilling and the boring was properly abandoned. The lithologic/soil sampling log is included in Appendix A. BH01 used for depth to groundwater determination is presented on Figure 1.

Based on NMOCD's request, one soil sample (SS04A) was collected on March 6, 2023, near the respective location of soil sample SS04 and in the direction of the release extent at a depth of 0.5 feet bgs, to assess the lateral extent of the release. The delineation soil sample was field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride utilizing Hach[®] chloride QuanTab[®] test strips, respectively. The soil sample location was mapped utilizing a handheld Global Positioning System (GPS) unit and is depicted on Figure 2.

The soil sample was placed directly into a pre-cleaned glass jar, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil sample was transported under strict chain-of-custody procedures to Eurofins Laboratories (Eurofins) in Carlsbad, New Mexico, for analysis of the following chemicals of conern (COCs): benzene, toluene, ethylbenezene, and total xylenes (BTEX) following United States Environmental Protection Agency (EPA) Method 8021B; total petroleum hydrocarbons (TPH)-gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

Laboratory analytical results for soil sample SS04A indicated concentrations of all COCs were compliant with the strictest Table I Closure Criteria. Laboratory analytical results are summarized in Table 1 and laboratory analytical reports are included in Appendix B.

CLOSURE REQUEST

Laboratory analytical results for the additional lateral delineation soil sample indicated concentrations of all COCs were compliant with the strictest Table I Closure Criteria. Based on the confirmed depth to water greater than 105 feet bgs as presented in this addendum, COG respectfully requests closure for Incident Number NAPP2217430297. The Final C-141 is included in Appendix C.

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

Sincerely, **Ensolum, LLC**

adrie Streen

Hadlie Green Project Manager

Daniel Moir, PG Senior Managing Geologist

cc: Charles Beauvais, ConocoPhillips Company Jacob Laird, ConocoPhillips Company Bureau of Land Management

Appendices:

- Figure 1 Site Location Map
- Figure 2 Soil Sample Locations
- Table 1Soil Sample Analytical Results
- Appendix A Lithologic / Soil Sampling Logs
- Appendix B Laboratory Analytical Reports & Chain-of-Custody Documentation
- Appendix C Final C-141
- Appendix D NMOCD Notifications

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ENSOLUM



FIGURES

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TABLES

.

🖻 ENSOLUM

	TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS Corvo Federal 4 CTB GOG Operating, LLC Lea County, New Mexico											
Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)		
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000		
				Lateral [Delineation Samp	les						
SS NORTH	07/11/2022	0.5	<0.0498	<0.0996	<50.0	95	<50.0	94.5	94.5	50.1		
SS SOUTH (SS2)	07/11/2022	0.5	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	296		
SS EAST (SS3)	07/11/2022	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	5.74		
SS WEST (SS4)	07/11/2022	0.5	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	<49.9	<5.03		
SS04A	03/06/2023	0.5	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	<49.9	86.0		

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NE - Not established

< - less than the laboratory reporting limit



APPENDIX A

Lithologic Soil Sampling Logs

BH or PH Name: BH01 Date: 2-9-2021 Site Name: Azores Fed #4H RP or Incident Number: NAPP2124346388 WSP Job Number: 31402909.130 Method:Hollow Stem Air Katery LITHOLOGIC / SOIL SAMPLING LOG Logged By: E Lat/Long: 32.18139, -103.6989 Field Screening: N/A Hole Diameter: Total Depth: +1 105 Comments: Death to water baring Lithology Remarks Onl USCS/Rock Symbol Staining Moisture Content Chloride (ppm) Sample Sample : Vapor (ppm) Depth Lithology/Remarks Depth (ft bgs) (ft bgs) Soft, Formin 151.4 SAND, Fine - Medium grain, Silty, 1 5M poorly graded, dry, Redelish Brown, 2 3 Abundant coliche grevel, Trace Clay, 4 Low plasticity , cohesive. No stain, 5 SAA/ But truce caliche gravel 6 (Same as above) 7 8 9 - SAA/But color change to Light brown, 10 11 12 13 14 15 SAA 16 17 18 19 SAA 20 21 22 23 24 SAA But Abunclant Celiche 25

Page 10 of 123

				WSF	USA	4		BH or PH Name	Date	
								Sito Namo		
			Car	08 West S Isbad, Nev	Meying		A STATISTICS IN CONTRACTOR	Site Name:		
				and the second				RP or Incident Number:		-
	1.0000.000	0.010	1000	0				WSP Job Number:		
	LITHO	LUGIC	1 501	SAMPL		G		Logged By	Method:	
at/Long				Field Scree	ening			Hole Diameter	Total Depth	
omments										
Content Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol		Lithe	blogy/Remarks	
					26 27 28 29 30 31 32 33 34 35 36 37 38	5M			color. No s	
					39 40 41 42 43 44 45		C1-19	tals pres		
					46 47 48 48 49 50		Tra	ce sypsom (possible m rp transiti	y Fine grain crystals pr otling) on to claye prin, No ca	escut.

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11)		WS	PUSA			BH or PH Nam	iê	Date:
				508 West S	Stevens S			Site Name:		
				risbad, Ne	w Mexico	88220		RP or Incident		
				E alle and			1758	WSP Job Num	iber:	
	LITH	OLOGI	C / SOI			G		Logged By:		Method:
_at/Long				Field Scre	ening:			Hole Diameter		Total Depth:
Comments										
Moisture Content Chloride	(ppm) (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol			Lithology/	Remarks
			0		51 52 53 54 55 56 57 58 59 60 61 61 62 61 62 63 64 62 63 64 65 66 67 68 69 70 71 71 72 73 73	56	- 5A - 5A	A Curret ND, Fin nclant Esive	addish bro	own Dry, poorly gude, own Dry, poorly gude, own Dry, poorly gude, own Sypsom
					75		SA.	A		

				Ca	WS 508 West risbad, Ne	P USA Stevens S w Mexico	Street 88220		BH or PH Name: Site Name: RP or Incident Number: WSP Job Number:	Date
Lat/Lor	10:	LITH	DLOG	IC / SO	L SAMPL		G		Logged By: Hole Diameter:	Method:
Comm	ents:									
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol		Litho	ology/Remarks
						76 77 78 79 80 81 82 83 84 82 83 84 85 86 87 88 87 88 87 88 87 88 87 90 91 91 92 91 92 93 91 92 93 94 95 96	56	Abur SA Pin Not SA	A But So sticity in clayery San	31
						97 98 99 100	56	grid pla	Iccl, Albundle	Fine grain, poorly ant Clay, Cow ohesive, Truce Stals.

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1	5)	E Car	WS 08 West 4 isbad, Ne	P USA Stevens S w Mexico	Street 88220		BH or PH Name: Site Name: RP or Incident Number:	Date:	
NUN MEN		01.0.01	0. (0.0)	0.4440		_		WSP Job Number:		
Lat/Long:	LIIH	OLOGI		Field Scre		G		Logged By: Hole Diameter:	Method: Total Depth:	
Comments										
						~				
Moisture Content Chloride	(ppm) Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	(ft bgs)	USCS/Rock Symbol		Lithc	ology/Remarks	
					101 102 103 104 105 104 105 106 107 108 109 110 112 113 114 115 116 117 118 119 120 121 122 123 124 125	£	SAI	A But Abus Stals I Dopth In	Achut Sypsum #s', G II: 3	×,



APPENDIX B

Laboratory Analytical Reports & Chain of Custody Documentation

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LINKS

Review your project results through

EOL

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Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-2540-1

Laboratory Sample Delivery Group: 03d2024061 Client Project/Site: Corvo Fed #4

For:

Ensolum 705 W. Wadley Suite 210 Midland, Texas 79701

Attn: Kalei Jennings

RAMER

Authorized for release by: 7/18/2022 3:02:58 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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	Definitions/Glossary		
Client: Ensolur	-	0-2540-1	
Project/Site: C			
Qualifiers			Ē
GC VOA			
Qualifier	Qualifier Description		
F1	MS and/or MSD recovery exceeds control limits.		-
U	Indicates the analyte was analyzed for but not detected.		
GC Semi VOA			
Qualifier	Qualifier Description		
*_	LCS and/or LCSD is outside acceptance limits, low biased.		
F1	MS and/or MSD recovery exceeds control limits.		
U	Indicates the analyte was analyzed for but not detected.		
	······································		
HPLC/IC	Our lifter Description		
Qualifier	Qualifier Description		
F1 F2	MS and/or MSD recovery exceeds control limits. MS/MSD RPD exceeds control limits		
U			
	Indicates the analyte was analyzed for but not detected.		
Glossary			
Abbreviation	These commonly used abbreviations may or may not be present in this report.		
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis		
%R	Percent Recovery		
CFL	Contains Free Liquid		
CFU	Colony Forming Unit		
CNF	Contains No Free Liquid		
DER	Duplicate Error Ratio (normalized absolute difference)		
Dil Fac	Dilution Factor		
DL	Detection Limit (DoD/DOE)		
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample		
DLC	Decision Level Concentration (Radiochemistry)		
EDL	Estimated Detection Limit (Dioxin)		
LOD	Limit of Detection (DoD/DOE)		
LOQ	Limit of Quantitation (DoD/DOE)		
MCL	EPA recommended "Maximum Contaminant Level"		
MDA	Minimum Detectable Activity (Radiochemistry)		
MDC	Minimum Detectable Concentration (Radiochemistry)		
MDL	Method Detection Limit		
ML	Minimum Level (Dioxin)		
MPN	Most Probable Number		
MQL	Method Quantitation Limit		
NC	Not Calculated		
ND	Not Detected at the reporting limit (or MDL or EDL if shown)		
NEG	Negative / Absent		
POS	Positive / Present		
PQL	Practical Quantitation Limit		
PRES	Presumptive		

Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry)

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

TEQ Toxicity Equivalent Quotient (Dioxin)

Quality Control

TNTC Too Numerous To Count

QC

RER

RL

RPD

Case Narrative

Client: Ensolum Project/Site: Corvo Fed #4

Job ID: 890-2540-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-2540-1

Receipt

The sample was received on 7/12/2022 8:32 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.8°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 880-29796 and analytical batch 880-29885 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.

Method 8021B: Spike compounds were inadvertently omitted during the extraction process for the matrix spike duplicate (MSD); therefore, matrix spike recoveries are unavailable for preparation batch 880-29796 and analytical batch 880-29885. The associated laboratory control sample (LCS) met acceptance criteria.

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 880-29652 and analytical batch 880-29696 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

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-29756 and analytical batch 880-29890 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Job ID: 890-2540-1 SDG: 03d2024061

4 5

RL

0.0498

0.0498

0.0498

0.0996

0.0498

0.0996

Limits

70 - 130

70 - 130

Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

D

Prepared 07/15/22 08:47

07/15/22 08:47

07/15/22 08:47

07/15/22 08:47

07/15/22 08:47

07/15/22 08:47

Prepared

07/15/22 08:47

07/15/22 08:47

Job ID: 890-2540-1 SDG: 03d2024061

Client Sample ID: SS North

Method: 8021B - Volatile Organic Compounds (GC)

Result Qualifier

<0.0498 U

<0.0498 U

<0.0498 U

<0.0996 U

<0.0498 U

<0.0996 U

91

83

Qualifier

%Recovery

Date Collected: 07/11/22 13:30 Date Received: 07/12/22 08:32

Project/Site: Corvo Fed #4

Sample Depth: 0

Analyte

Benzene

Toluene

o-Xylene

Surrogate

Ethylbenzene

Xylenes, Total

m-Xylene & p-Xylene

Client: Ensolum

Lab Sar

3DG. 0302	024001	4
mple ID: 890-2 Matri	2540-1 x: Solid	3
		4
		5
Analyzed	Dil Fac	
07/18/22 01:38	25	6
07/18/22 01:38	25	
07/18/22 01:38	25	7
07/18/22 01:38	25	
07/18/22 01:38	25	8
07/18/22 01:38	25	
Analyzed	Dil Fac	9
07/18/22 01:38	25	10
Analyzed 07/18/22 15:14	Dil Fac	11 12
Analyzed 07/15/22 10:26	Dil Fac	13 14
Analyzed	Dil Fac	
07/14/22 20:20	1	
07/14/22 20:20	1	
07/14/22 20:20	1	

Eurofins Carlsbad

Method: Total BTEX - Total BTEX Calculation

4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr)

Analyte Result Qualifier RL Unit D Prepared 0.0996 Total BTEX <0.0996 U mg/Kg

Method: 8015 NM - Diesel Range (Drganics (DR	O) (GC)							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	94.5		50.0	mg/Kg			07/15/22 10:26	1	

Method: 8015B NM - Diesel Rang	ge 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		07/13/22 11:07	07/14/22 20:20	1
Diesel Range Organics (Over C10-C28)	94.5	*_	50.0	mg/Kg		07/13/22 11:07	07/14/22 20:20	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/13/22 11:07	07/14/22 20:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130			07/13/22 11:07	07/14/22 20:20	1
o-Terphenyl	75		70 - 130			07/13/22 11:07	07/14/22 20:20	1
_ Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	50.1		4.99	mg/Kg			07/16/22 21:50	1

Job ID: 890-2540-1

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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)		5
890-2537-A-1-D MS	Matrix Spike	100	106		
890-2537-A-1-E MSD	Matrix Spike Duplicate	77	90		6
890-2540-1	SS North	91	83		
LCS 880-29796/1-A	Lab Control Sample	102	106		
LCSD 880-29796/2-A	Lab Control Sample Dup	108	108		
MB 880-29796/5-A	Method Blank	78	92		8
Surrogate Legend					
BFB = 4-Bromofluorobe	nzene (Surr)				9

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA Percent Surrogate Recovery (Acceptance Limits) 1CO1 OTPH1 (70-130) Lab Sample ID **Client Sample ID** (70-130) 880-16861-A-1-B MS Matrix Spike 89 83 880-16861-A-1-C MSD Matrix Spike Duplicate 81 73 890-2540-1 SS North 78 75 LCS 880-29652/2-A Lab Control Sample 120 102 Lab Control Sample Dup LCSD 880-29652/3-A 124 108 MB 880-29652/1-A Method Blank 86 95

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

SDG: 03d2024061

Prep Type: Total/NA

QC Sample Results

Job ID: 890-2540-1 SDG: 03d2024061

Prep Type: Total/NA

Client Sample ID: Method Blank

Project/Site: Corvo Fed #4 Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid alvsis Ratch 20885

Client: Ensolum

Analysis Batch: 29885							Prep Batch	n: 29796
	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/15/22 08:47	07/17/22 18:01	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/15/22 08:47	07/17/22 18:01	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/15/22 08:47	07/17/22 18:01	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		07/15/22 08:47	07/17/22 18:01	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/15/22 08:47	07/17/22 18:01	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/15/22 08:47	07/17/22 18:01	1
	МВ	МВ						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130			07/15/22 08:47	07/17/22 18:01	1
1,4-Difluorobenzene (Surr)	92		70 - 130			07/15/22 08:47	07/17/22 18:01	1

Lab Sample ID: LCS 880-29796/1-A Matrix: Solid

Analysis Batch: 29885

	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	0.100	0.1156		mg/Kg		116	70 - 130
Toluene	0.100	0.09972		mg/Kg		100	70 - 130
Ethylbenzene	0.100	0.1045		mg/Kg		105	70 - 130
m-Xylene & p-Xylene	0.200	0.2034		mg/Kg		102	70 - 130
o-Xylene	0.100	0.1062		mg/Kg		106	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: LCSD 880-29796/2-A

Matrix: Solid aluaia Datahu 20005

							Batch:	29796
Spike	LCSD	LCSD				%Rec		RPD
Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
0.100	0.1151		mg/Kg		115	70 - 130	0	35
0.100	0.08663		mg/Kg		87	70 - 130	14	35
0.100	0.07643		mg/Kg		76	70 - 130	31	35
0.200	0.1457		mg/Kg		73	70 - 130	33	35
0.100	0.07784		mg/Kg		78	70 - 130	31	35
	Added 0.100 0.100 0.100 0.100 0.200	Added Result 0.100 0.1151 0.100 0.08663 0.100 0.07643 0.200 0.1457	Added Result Qualifier 0.100 0.1151 0.008663 0.100 0.08663 0.07643 0.200 0.1457 0.008663	Added Result Qualifier Unit 0.100 0.1151 mg/Kg 0.100 0.08663 mg/Kg 0.100 0.07643 mg/Kg 0.200 0.1457 mg/Kg	Added Result Qualifier Unit D 0.100 0.1151 mg/Kg 0.100 0.08663 mg/Kg 0.100 0.07643 mg/Kg 0.200 0.1457 mg/Kg	Added Result Qualifier Unit D %Rec 0.100 0.1151 mg/Kg 115 0.100 0.08663 mg/Kg 87 0.100 0.07643 mg/Kg 76 0.200 0.1457 mg/Kg 73	Added Result Qualifier Unit D %Rec Limits 0.100 0.1151 mg/Kg 115 70 - 130 0.100 0.08663 mg/Kg 87 70 - 130 0.100 0.07643 mg/Kg 76 70 - 130 0.200 0.1457 mg/Kg 73 70 - 130	Added Result Qualifier Unit D %Rec RPD 0.100 0.1151 mg/Kg 115 70 - 130 0 0.100 0.08663 mg/Kg 87 70 - 130 14 0.100 0.07643 mg/Kg 76 70 - 130 31 0.200 0.1457 mg/Kg 73 70 - 130 33

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: 890-2537-A-1-D MS

Matrix: Solid

Analysis Batch: 29885									Prep	Batch: 29796
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00199	U F1	0.100	0.1089		mg/Kg		109	70 - 130	
Toluene	<0.00199	U F1	0.100	0.08023		mg/Kg		80	70 - 130	

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Prep Type: Total/NA

13

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 29796

10 - 100	
70 - 130	

Client Sample ID: Matrix Spike

QC Sample Results

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

Matrix: Solid									Prep T	ype: To	tal/NA
Analysis Batch: 29885									Prep	Batch:	29796
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Ethylbenzene	<0.00199	U F1	0.100	0.06821	F1	mg/Kg		68	70 - 130		
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.1290	F1	mg/Kg		64	70 - 130		
o-Xylene	<0.00199	U F1	0.100	0.06830	F1	mg/Kg		68	70 _ 130		
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	100		70 - 130								
1,4-Difluorobenzene (Surr)	106		70 - 130								
Lab Sample ID: 890-2537-A	-1-F MSD					Cli	ent Sa	ample ID	: Matrix Sp	nike Dun	licate
Matrix: Solid										ype: To	
Analysis Batch: 29885										Batch:	
Analysis Baton. 20000	Sample	Sample	Spike	MSD	MSD				%Rec	Duton	RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00199	U F1	0.0998	<0.00200	U F1	mg/Kg		0	70 - 130	NC	35
Toluene	<0.00199	U F1	0.0998	<0.00200	U F1	mg/Kg		0	70 - 130	NC	35
Ethylbenzene	<0.00199	U F1	0.0998	<0.00200	U F1	mg/Kg		0	70 - 130	NC	35
m-Xylene & p-Xylene	<0.00398	U F1	0.200	<0.00399	U F1	mg/Kg		0	70 - 130	NC	35
o-Xylene	<0.00199	U F1	0.0998	<0.00200	U F1	mg/Kg		0	70 - 130	NC	35
	MSD	MSD									
		Qualifier	Limits								
Surrogate	%Recovery										
Surrogate 4-Bromofluorobenzene (Surr)	% <i>Recovery</i> 77		70 - 130								

Matrix: Solid
Analysis Batch: 29696

	MB	МВ						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		07/13/22 11:06	07/14/22 11:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/13/22 11:06	07/14/22 11:11	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/13/22 11:06	07/14/22 11:11	1
	MB	МВ						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac

canogato	,,	quanne	
1-Chlorooctane	86		70 - 130
o-Terphenyl	95		70 - 130

Lab Sample ID: LCS 880-29652/2-A Matrix: Solid

Analysis Batch: 29696							Prep	Batch: 29652
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1173		mg/Kg		117	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1102		mg/Kg		110	70 - 130	
C10-C28)								

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Prep Type: Total/NA

Client Sample ID: Method Blank

07/14/22 11:11

07/14/22 11:11

Client Sample ID: Lab Control Sample

07/13/22 11:06

07/13/22 11:06

Prep Type: Total/NA Prep Batch: 29652

Job ID: 890-2540-1 SDG: 03d2024061

1

1

QC Sample Results

Job ID: 890-2540-1 SDG: 03d2024061

Client: Ensolum Project/Site: Corvo Fed #4

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

	652/2-A						Client	Sample	ID: Lab Co		
Matrix: Solid										Type: Tot	
Analysis Batch: 29696									Prep	Batch:	2965
	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	120		70 - 130								
o-Terphenyl	102		70 - 130								
Lab Sample ID: LCSD 880-2	9652/3-A					Clier	nt Sam	nple ID: I	Lab Contro	ol Sample	e Duj
Matrix: Solid									Prep 1	Type: Tot	tal/N
Analysis Batch: 29696									Prep	Batch:	2965
			Spike	LCSD	LCSD				%Rec		RP
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Lim
Gasoline Range Organics (GRO)-C6-C10			1000	1173		mg/Kg		117	70 - 130	0	2
Diesel Range Organics (Over C10-C28)			1000	1142		mg/Kg		114	70 - 130	4	2
	LCSD	LCSD									
Surrogate	%Recovery		Limits								
1-Chlorooctane			70 - 130								
o-Terphenyl	108		70 - 130								
Analysis Batch: 29696									Prep	Type: Tot Batch: 3	
-	-	Sample Qualifier	Spike Added		MS Qualifier	Unit	D	%Rec			
Analyte Gasoline Range Organics	-	-	-			- <mark>Unit</mark> mg/Kg	D	%Rec 107	Prep %Rec		
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result 53.9	-	Added	Result	Qualifier		D		Prep %Rec Limits		
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result53.9	Qualifier	Added 996	Result 1119	Qualifier	mg/Kg	D	107	Prep %Rec Limits 70 - 130		
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result53.9	Qualifier *- F1 MS	Added 996	Result 1119	Qualifier	mg/Kg	<u> </u>	107	Prep %Rec Limits 70 - 130		
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate	Result 53.9 833 <i>M</i> S	Qualifier *- F1 MS	Added996	Result 1119	Qualifier	mg/Kg	<u>D</u>	107	Prep %Rec Limits 70 - 130		
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane	Result 53.9 833 MS %Recovery	Qualifier *- F1 MS	Added 996 996 Limits	Result 1119	Qualifier	mg/Kg	<u>D</u>	107	Prep %Rec Limits 70 - 130		
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl	Result 53.9 833 MS %Recovery 89 83	Qualifier *- F1 MS	Added 996 996 Limits 70 - 130	Result 1119	Qualifier	mg/Kg		<u> 107</u> 45	Prep %Rec Limits 70 - 130	Batch:	2965
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl	Result 53.9 833 MS %Recovery 89 83	Qualifier *- F1 MS	Added 996 996 Limits 70 - 130	Result 1119	Qualifier	mg/Kg		<u> 107</u> 45	Prep %Rec Limits 70 - 130 70 - 130 20 - 130	Batch:	2965
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-16861-A Matrix: Solid	Result 53.9 833 MS %Recovery 89 83	Qualifier *- F1 MS	Added 996 996 Limits 70 - 130	Result 1119 1277	Qualifier F1	mg/Kg		<u> 107</u> 45	Prep %Rec Limits 70 - 130 70 - 130 70 - 130 9: Matrix Sp Prep 1	Batch: :	2965 Dlicat
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-16861-A	Result 53.9 833 MS %Recovery 89 83 A-1-C MSD	Qualifier *- F1 MS	Added 996 996 Limits 70 - 130	Result 1119 1277	Qualifier	mg/Kg		<u> 107</u> 45	Prep %Rec Limits 70 - 130 70 - 130 70 - 130 9: Matrix Sp Prep 1	Dike Dup	2965
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-16861-A Matrix: Solid Analysis Batch: 29696	Result 53.9 833 MS %Recovery 89 83 A-1-C MSD Sample Result	Qualifier *- F1 MS Qualifier	Added 996 996 Limits 70 - 130 70 - 130 70 - 130	Result 1119 1277 MSD Result	Qualifier F1	mg/Kg		<u> 107</u> 45	Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 190 70 - 190	Dike Dup	2965 tal/N, 2965 RP Lim
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-16861-A Matrix: Solid Analysis Batch: 29696 Analyte Gasoline Range Organics	Result 53.9 833 MS %Recovery 89 83 A-1-C MSD Sample	Qualifier *- F1 MS Qualifier Sample	Added 996 996 Limits 70 - 130 70 - 130 Spike	Result 1119 1277 MSD	Qualifier F1	mg/Kg mg/Kg CI	ient Sa	107 45 ample IE	Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 190 70 - 190	bike Dup Type: Tot Batch: :	2965 tal/N 2965 RP Lim
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-16861-A Matrix: Solid Analysis Batch: 29696 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result 53.9 833 MS %Recovery 89 83 A-1-C MSD Sample Result 53.9	Qualifier *- F1 MS Qualifier Sample	Added 996 996 Limits 70 - 130 70 - 130 70 - 130	Result 1119 1277 MSD Result	Qualifier F1 MSD Qualifier	mg/Kg mg/Kg Cl	ient Sa	107 45 ample IE %Rec	Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 190 70 - 190	bike Dup Type: Tot Batch: : 	2965 blicat tal/N 2965 RP Lim 2
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-16861-A Matrix: Solid	Result 53.9 833 MS %Recovery 89 83 A-1-C MSD Sample Result 53.9 833	Qualifier *- F1 MS Qualifier Sample Qualifier	Added 996 996 <u>Limits</u> 70 - 130 70 - 130 70 - 130 80 50 80 80 998	Result 1119 1277 MSD Result 1024	Qualifier F1 MSD Qualifier	mg/Kg mg/Kg Cl Unit mg/Kg	ient Sa	107 45 ample IE <u>%Rec</u> 97	Prep %Rec Limits 70 - 130 70 - 130 70 - 130 9: Matrix Sp Prep %Rec Limits 70 - 130	Dike Dup Type: Tot Batch: 2 <u>RPD</u> 9	2965
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-16861-A Matrix: Solid Analysis Batch: 29696 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result 53.9 833 MS %Recovery 89 83 A-1-C MSD Sample Result 53.9 833	Qualifier *- F1 MS Qualifier Sample Qualifier *- F1 MSD	Added 996 996 <u>Limits</u> 70 - 130 70 - 130 70 - 130 80 50 80 80 998	Result 1119 1277 MSD Result 1024	Qualifier F1 MSD Qualifier	mg/Kg mg/Kg Cl Unit mg/Kg	ient Sa	107 45 ample IE <u>%Rec</u> 97	Prep %Rec Limits 70 - 130 70 - 130 70 - 130 9: Matrix Sp Prep %Rec Limits 70 - 130	Dike Dup Type: Tot Batch: 2 <u>RPD</u> 9	2965 blicat tal/NJ 2965 RP Lim 2
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-16861-A Matrix: Solid Analysis Batch: 29696 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result 53.9 833 MS %Recovery 89 83 A-1-C MSD Sample Result 53.9 833	Qualifier *- F1 MS Qualifier Sample Qualifier *- F1 MSD	Added 996 996 Limits 70 - 130 70 - 130 Spike Added 998 998	Result 1119 1277 MSD Result 1024	Qualifier F1 MSD Qualifier	mg/Kg mg/Kg Cl Unit mg/Kg	ient Sa	107 45 ample IE <u>%Rec</u> 97	Prep %Rec Limits 70 - 130 70 - 130 70 - 130 9: Matrix Sp Prep %Rec Limits 70 - 130	Dike Dup Type: Tot Batch: 2 <u>RPD</u> 9	2965 blicati tal/N/ 2965 RPI Lim 2

Client: Ensolum

Project/Site: Corvo Fed #4

QC Sample Results

Job ID: 890-2540-1 SDG: 03d2024061

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-29756/1-A Matrix: Solid											Client S	ample ID: I Prep	Method Type: S	
Analysis Batch: 29890														
		мв м	в											
Analyte	R	esult Q	ualifier		RL		Unit		D	Р	repared	Analyz	ed	Dil Fa
Chloride	<	<5.00 U			5.00		mg/K	g				07/16/22 2	20:55	
- Lab Sample ID: LCS 880-29756/2-/	A								С	ient	Sample	ID: Lab Co	ontrol Sa	ample
Matrix: Solid												Prep [·]	Type: S	olubl
Analysis Batch: 29890														
-				Spike	I	.cs	LCS					%Rec		
Analyte				Added	Re	sult	Qualifier	Unit		D	%Rec	Limits		
Chloride				250	20	6.0		mg/Kg		_	104	90 _ 110		
Lab Sample ID: LCSD 880-29756/3	8-A							CI	ient	Sam	ple ID: I	_ab Contro	l Sampl	e Duj
Matrix: Solid												Prep [•]	Type: S	olubl
Analysis Batch: 29890														
-				Spike	L	SD	LCSD					%Rec		RPD
Analyte				Added	Re	sult	Qualifier	Unit		D	%Rec	Limits	RPD	Limi
Chloride				250	20	61.6		mg/Kg		_	105	90 - 110	0	20
Lab Sample ID: 880-16905-A-1-B M	NS										Client	Sample ID:	Matrix	Spike
Matrix: Solid												Prep	Type: S	oluble
Analysis Batch: 29890														
	Sample	Sample	•	Spike		MS	MS					%Rec		
				Added	D -	sult	Qualifier	Unit		D	%Rec	Limits		
Analyte	Result	Qualifie	er	Added	Re									
Analyte Chloride		Qualifie F1 F2	er	252		4.4		mg/Kg			104	90 - 110		
Chloride	13.2		er						Clier	nt Sa		90 ₋ 110 9: Matrix Sp	ike Dup	olicate
Chloride	13.2		er						Clier	nt Sa		: Matrix Sp	ike Dup Type: S	
Chloride Lab Sample ID: 880-16905-A-1-C M	13.2		<u>er</u>						Clier	nt Sa		: Matrix Sp		
Chloride Lab Sample ID: 880-16905-A-1-C M Matrix: Solid	13.2	F1 F2			2	4.4	MSD		Clier	nt Sa		: Matrix Sp		
Chloride Lab Sample ID: 880-16905-A-1-C M Matrix: Solid	13.2 MSD Sample	F1 F2		252	2	'4.4 ISD	MSD Qualifier		Clier	nt Sa D		: Matrix Sp Prep		oluble

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QC Association Summary

Client: Ensolum Project/Site: Corvo Fed #4

Job ID: 890-2540-1 SDG: 03d2024061

GC VOA

Prep Batch: 29796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2540-1	SS North	Total/NA	Solid	5035	
MB 880-29796/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-29796/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-29796/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2537-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
890-2537-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	
nalysis Batch: 29885	i				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2540-1	SS North	Total/NA	Solid	8021B	29796
MB 880-29796/5-A	Method Blank	Total/NA	Solid	8021B	29796
LCS 880-29796/1-A	Lab Control Sample	Total/NA	Solid	8021B	29796
LCSD 880-29796/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	29796
890-2537-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	29796
890-2537-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	29796
nalysis Batch: 29984					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2540-1	SS North	Total/NA	Solid	Total BTEX	
SC Semi VOA					

Prep Batch: 29652

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2540-1	SS North	Total/NA	Solid	8015NM Prep	
MB 880-29652/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-29652/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-29652/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-16861-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-16861-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 29696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2540-1	SS North	Total/NA	Solid	8015B NM	29652
MB 880-29652/1-A	Method Blank	Total/NA	Solid	8015B NM	29652
LCS 880-29652/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	29652
LCSD 880-29652/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	29652
880-16861-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	29652
880-16861-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	29652
Analysis Batch: 29844					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch

Total/NA

Solid

8015 NM

890-2540-1 HPLC/IC

Leach Batch: 29756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2540-1	SS North	Soluble	Solid	DI Leach	
MB 880-29756/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-29756/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-29756/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

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SS North

300.0

300.0

Job ID: 890-2540-1 SDG: 03d2024061

Project/Site: Corvo Fed #4 HPLC/IC (Continued)

880-16905-A-1-B MS

880-16905-A-1-C MSD

Matrix Spike

Matrix Spike Duplicate

Client: Ensolum

Leach Batch: 29756 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-16905-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
380-16905-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
nalysis Batch: 29890					
nalysis Batch: 29890					
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
Lab Sample ID	Client Sample ID SS North	Prep Type Soluble	Matrix Solid	Method 300.0	Prep Batch 29756
Lab Sample ID 890-2540-1					
Lab Sample ID 890-2540-1 MB 880-29756/1-A LCS 880-29756/2-A	SS North	Soluble	Solid	300.0	29756

Soluble

Soluble

Solid

Solid

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29756

29756

Job ID: 890-2540-1 SDG: 03d2024061

Matrix: Solid

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Lab Sample ID: 890-2540-1

Client Sample ID: SS North Date Collected: 07/11/22 13:30

Project/Site: Corvo Fed #4

Client: Ensolum

Date Received: 07/12/22 08:32

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	29796	07/15/22 08:47	MR	XEN MID
Total/NA	Analysis	8021B		25			29885	07/18/22 01:38	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29984	07/18/22 15:14	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29844	07/15/22 10:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29652	07/13/22 11:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29696	07/14/22 20:20	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	29756	07/14/22 12:54	SMC	XEN MID
Soluble	Analysis	300.0		1			29890	07/16/22 21:50	СН	XEN MID

Laboratory References:

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

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

Ithority	P	rogram	Identification Number	Expiration Date
xas	Ν	ELAP	T104704400-22-24	06-30-23
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	ffer certification.	Matrix	Analyte	
• ,		Matrix Solid	Analyte	

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Job ID: 890-2540-1

SDG: 03d2024061

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Method Summary

Client: Ensolum Project/Site: Corvo Fed #4 Job ID: 890-2540-1 SDG: 03d2024061

Nethod	Method Description	Protocol	Laboratory
3021B	Volatile Organic Compounds (GC)	SW846	XEN MID
lotal BTEX	Total BTEX Calculation	TAL SOP	XEN MID
3015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
3015B 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
3015NM Prep	Microextraction	SW846	XEN MID
OI 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

Eurofins Carlsbad

Sample Summary

Client: Ensolum Project/Site: Corvo Fed #4 Job ID: 890-2540-1 SDG: 03d2024061

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth	
890-2540-1	SS North	Solid	07/11/22 13:30	07/12/22 08:32	0	4
						5
						8
						9
						12
						13

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12 13 14

Received by OCD: 4/12/2023 2:08:32 PM

Eurofins Carlsbad			Ì																		
1089 N Canal St.	0	hain c	Chain of Custodv Record	todv R	ecor	ġ												đ	🔅 eurofins		Environment Testing
Cansuau (NN) 00220 Phone 575-988-3199 Fax: 575-988-3199																	-			America	12a
Client Information (Sub Contract Lab)	Sampler			Lab PM Kramer	m ner Jessica	sica				ļ		Carrie	Carrier Tracking No(s)	king N	0(s)				COC No: 890-837 1		
Shipping/Receiving	rnone:			E-Mail Jessi	E-Mail Jessica Kramer@et.eurofinsus com	∩er@e	t.eur	ofinsu	rs co	Э		State New	State of Origin New Mexico	8 3					Page Page 1 of 1		
Company Eurofins Environment Testing South Centr					Accreditations Required (See note) NELAP - Texas	- Texas	aquirec 3S	l (See	note)										Job # 1890-2540-1		
Address 1211 W Florida Ave	Due Date Requested: 7/18/2022	ÿ							Analvsis	sis	Requested	SUL	2	1					Preservation Codes		
City Midland	TAT Requested (days)	ys)·						—										أنمص			າບ ນັ້ງ ອີມອ
State Zip TX 79701					<u>iterson a kohet</u> versetoritera e	TPH												e generalizzationen Meder Allegener	C Zn Acetate D Nitric Acid E NaHSO4	P Na2O4S Q Na2SO3	3 AS
Phone 432-704-5440(Tel)	PO#				ay or e e weinterst) Full	e														NazozO3 H2SO4 TSP Dodecahvdrate
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Project Name corvo fed #4	Project # 89000094				s or N	S_Pre	ACH											See escente II	K EDTA L EDA		1a 1a
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			Sample	Matrix	ered S MS/MS	_NM/80		5FP_C	X_GC\									nber o			
		Sample	Type (C=comp,	(W=water S=solid, O=waste/oli,	rform	6MOC			al_BT									al Nu			
			Preservation Code	BT=Tissue, A=Air) tion Code:	KP	oui -	- <u>8</u>	b eer	Т				นซีนี่ร่					(T	Special 1	Special Instructions/Note.	ns/Note.
SS North (890-2540-1)	7/11/22	13 30	and the second	0 2 1 2		<	-	•		100				5. 	in.			₽		Active and a second	
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Note Since laboratory accreditations are subject to change, Eurofins Environmen laboratory does not currently maintain accreditation in the State of Orioin listed ab	it Testing South Centra	II, LLC places	the ownership of	of method ana	yte & accr	editatio	comp	bliance	upon	outsu	bcontr	act lab	orator	es	his sa	mple	shipn	tent is	s forwarded under	chain-of-cus	tody If the
accreditation status should be brought to Eurofins Environment Testing South Central LLC attention immediately if all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing South Central LLC	ntral LLC attention imp	nediately If a	Il requested ac	creditations are	current to	date n	etum t	he sigr	hed Ch	ain of	Custo	iy atte	sting t	o said		lican	e to E	Eurofi	instructions will be ins Environment Te	provided A. ∍sting South	ny changes to Central LLC.
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Deliverable Requested 1 II III IV Other (specify)	Primary Deliverable Rank	ble Rank 2	10		Spec	Special Instructions/QC	tructi	- s/(Requirements	emer	ts .		[
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Custody Seals Intact. ∆ Yes ∆ No						Cooler Temperature(s) °C	emper	ature()		and Other Remarks.	ier Re	narks.								ŀ	
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Ver 06/08/2021

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14

Job Number: 890-2540-1 SDG Number: 03d2024061

List Source: Eurofins Carlsbad

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 2540 List Number: 1 Creator: Clifton, Cloe

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	

N/A

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

14

Job Number: 890-2540-1 SDG Number: 03d2024061

List Source: Eurofins Midland

List Creation: 07/13/22 11:52 AM

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 2540 List Number: 2 Creator: Kramer, Jessica

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

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

Received by OCD: 4/12/2023 2:08:32 PM

LINKS

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EOL

Have a Question?

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Released to Imaging: 5/15/2023 11:41:46 AM

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Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-2541-1

Laboratory Sample Delivery Group: 03D2024061 Client Project/Site: Corvo Fed #4

For:

Ensolum 705 W. Wadley Suite 210 Midland, Texas 79701

Attn: Kalei Jennings

RAMER

Authorized for release by: 7/18/2022 3:01:04 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.
SDG: 03D2024061

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Definitions/Glossary

Client: Ensolum Project/Site: Corvo Fed #4 Job ID: 890-2541-1 SDG: 03D2024061

Qualifiers		3
GC VOA		
Qualifier	Qualifier Description	
U	Indicates the analyte was analyzed for but not detected.	
GC Semi VOA		5
Qualifier	Qualifier Description	
F1	MS and/or MSD recovery exceeds control limits.	
U	Indicates the analyte was analyzed for but not detected.	
HPLC/IC		
Qualifier	Qualifier Description	
F1	MS and/or MSD recovery exceeds control limits.	8
F2	MS/MSD RPD exceeds control limits	
U	Indicates the analyte was analyzed for but not detected.	9
Glossary		10
Abbreviation	These commonly used abbreviations may or may not be present in this report.	
n	Listed under the "D" column to designate that the result is reported on a dry weight basis	

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

4

Job ID: 890-2541-1 SDG: 03D2024061

Job ID: 890-2541-1

Project/Site: Corvo Fed #4

Client: Ensolum

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-2541-1

Receipt

The sample was received on 7/12/2022 8:32 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.8°C

GC VOA

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

GC Semi VOA

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-29756 and analytical batch 880-29890 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Job ID: 890-2541-1 SDG: 03D2024061

Client Sample ID: SS EAST

Date Collected: 07/11/22 13:40 Date Received: 07/12/22 08:32

Project/Site: Corvo Fed #4

Sample Depth: 0

Client: Ensolum

Lab Sample ID: 890-2541-1

Matrix: Solid

Analyte Result Qualifier RL Unit D Prepared Analyzed DI Fac Benzene <0.00199 0 0.00199 mg/Kg 07/15/22 09:00 07/15/22 22:04 1 Ehydbenzene <0.00199 0 0.00199 mg/Kg 07/15/22 09:00 07/15/22 22:04 1 Ehydbenzene <0.00199 0 0.00398 mg/Kg 07/15/22 09:00 07/15/22 22:04 1 o-Xylene <0.00398 U 0.00398 mg/Kg 07/15/22 09:00 07/15/22 22:04 1 Surrogate %Recovery Qualifier Limits 70 70 07/15/22 09:00 07/15/22 22:04 1 Abditorobenzene (Surr) 124 70 70 07/15/22 09:00 07/15/22 22:04 1 Method: Total BTEX - Total BTEX Calculation Analyte 07/15/22 09:00 07/15/22 29:00 07/15/22 19:01 1 Method: 8015 NM - Diesel Range Organics (DRO) (GC) Analyte D Prepared Analyzed DII Fac Total	Method: 8021B - Volatile Organic	Compounds ((GC)						
Toluene <0.00199	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene <0.00199 U 0.00199 mg/Kg 07/15/22 09:00 07/15/22 22:04 1 m-Xylene & p-Xylene <0.00398	Benzene	<0.00199	U	0.00199	mg/Kg		07/15/22 09:00	07/15/22 22:04	1
m:Xylene <0.00398 U 0.00398 mg/Kg 07/15/22 09:00 07/15/22 22:04 1 o:Xylene <0.00199	Toluene	<0.00199	U	0.00199	mg/Kg		07/15/22 09:00	07/15/22 22:04	1
o-Xytene <0.00199 U 0.00199 mg/kg 07/15/22 09:00 07/15/22 22:04 1 Surrogate %Recovery Qualifier Limits 70.130 71/15/22 09:00 07/15/22 22:04 1 Surrogate %Recovery Qualifier Limits 70.130 77/15/22 09:00 07/15/22 22:04 1 1.4-Difluorobenzene (Surr) 124 70.130 70.130 07/15/22 09:00 07/15/22 22:04 1 Method: Total BTEX - Total BTEX Calculation Result Qualifier RL Unit D Prepared Analyzed Dil Fac Total BTEX -000398 0 0.00398 mg/Kg D Prepared Analyzed Dil Fac Total BTEX -000398 0 0.00398 mg/Kg D 07/15/22 09:00 07/15/22 09:00 07/15/22 09:00 Dil Fac Total BTEX Result Qualifier RL Unit D Prepared Analyzed Dil Fac Total TPH <50.0	Ethylbenzene	<0.00199	U	0.00199	mg/Kg		07/15/22 09:00	07/15/22 22:04	1
Xylenes, Total <0.00398 U 0.00398 mg/kg 07/15/22 09:00 07/15/22 22:04 1 Surrogate %Recovery Qualifier Limits 70.130 77/15/22 09:00 07/15/22 22:04 1 1.4-Diffuorobenzene (Surr) 100 70.130 07/15/22 09:00 07/15/22 22:04 1 Method: Total BTEX - Total BTEX Calculation Result Qualifier RL Unit D Prepared Analyzed Dil Fac Total BTEX <0.00398	m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		07/15/22 09:00	07/15/22 22:04	1
Surrogate%Recovery 4Bromolivorbenzene (Surr)Qualifier 124Limits 70 - 130PreparedAnalyzed 07/15/22 09:00Dil Fac 07/15/22 20:041.4-Difluorobenzene (Surr)10070 - 13007/15/22 09:0007/15/22 20:041Method: Total BTEX - Total BTEX Calculation AnalyteResult QualifierQualifierRLUnitDPreparedAnalyzedDil Fac 07/15/22 09:00Total BTEX<	o-Xylene	<0.00199	U	0.00199	mg/Kg		07/15/22 09:00	07/15/22 22:04	1
4-Bromofluorobenzene (Surr) 124 70.130 07.1522 09.00 07/15/22 22.04 1 1.4-Diffuorobenzene (Surr) 100 70.130 07/15/22 09.00 07/15/22 22.04 1 Method: Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Total BTEX <0.00398	Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/15/22 09:00	07/15/22 22:04	1
1,4-Difluorobenzene (Surr) 100 70 - 130 07/15/22 09:00 07/15/22 02:04 1 Method: Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Total BTEX <0.00398 U 0.00398 mg/Kg 07/15/22 09:00 07/15/22 13:45 1 Method: 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Total TPH <50.0 U 50.0 mg/Kg 07/13/22 15:06 07/14/22 18:26 1 Method: 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Gasoline Range Organics (Over <50.0 U 50.0 mg/Kg 07/13/22 15:06 07/14/22 18:26 1 OIL-0.262 0 U 50.0 mg/Kg 07/13/22 15:06 07/14/22 18:26 1 OIL-0.229 0 50.0 U 50.0 mg/Kg 07/13/22 15:06 07/14/22 18:26	Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
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Oll Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 07/13/22 15:06 07/14/22 18:26 1 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 87 70 - 130 07/13/22 15:06 07/14/22 18:26 1 o-Terphenyl 97 70 - 130 07/13/22 15:06 07/14/22 18:26 1 Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier RL Unit D Prepared Analyzed Dil Fac		<50.0	U	50.0	mg/Kg		07/13/22 15:06	07/14/22 18:26	1
1-Chlorooctane 87 70 - 130 07/13/22 15:06 07/14/22 18:26 1 o-Terphenyl 97 70 - 130 07/13/22 15:06 07/14/22 18:26 1 Method: 300.0 - Anions, Ion Chromatography - Soluble 1 Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac	,	<50.0	U	50.0	mg/Kg		07/13/22 15:06	07/14/22 18:26	1
1-Chlorooctane 87 70 - 130 07/13/22 15:06 07/14/22 18:26 1 o-Terphenyl 97 70 - 130 07/13/22 15:06 07/14/22 18:26 1 Method: 300.0 - Anions, Ion Chromatography - Soluble 1 Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac		~ 5	o				. .		5 % 5
o-Terphenyl 97 70 - 130 07/13/22 15:06 07/14/22 18:26 1 Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac			Qualifier				<u> </u>		
Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac									•
Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac	o-Terphenyl	97		/0 - 130			07/13/22 15:06	07/14/22 18:26	1
	– Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Chloride 5.74 4.99 mg/Kg 07/16/22 21:58 1	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	5.74		4.99	mg/Kg			07/16/22 21:58	1

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7/18/2022

Job ID: 890-2541-1 SDG: 03D2024061

Prep Type: Total/NA

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)		5
880-16938-A-3-D MS	Matrix Spike	108	94		
880-16938-A-3-E MSD	Matrix Spike Duplicate	104	99		6
890-2541-1	SS EAST	124	100		
LCS 880-29770/1-A	Lab Control Sample	105	91		
LCSD 880-29770/2-A	Lab Control Sample Dup	116	101		
MB 880-29770/5-A	Method Blank	97	96		8
Surrogate Legend					
BFB = 4-Bromofluorober	nzene (Surr)				9

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA Percent Surrogate Recovery (Acceptance Limits) 1CO1 OTPH1 (70-130) Lab Sample ID **Client Sample ID** (70-130) 890-2541-1 SS EAST 87 97 890-2547-A-50-D MS Matrix Spike 86 89 890-2547-A-50-E MSD Matrix Spike Duplicate 72 76 LCS 880-29672/2-A Lab Control Sample 97 110 LCSD 880-29672/3-A Lab Control Sample Dup 113 126 MB 880-29672/1-A Method Blank 88 102

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Eurofins Carlsbad

Lab Sample ID: MB 880-29770/5-A

Client: Ensolum

QC Sample Results

Job ID: 890-2541-1 SDG: 03D2024061

Project/Site: Corvo Fed #4 Method: 8021B - Volatile Organic Compounds (GC)

methou.	00210 -	Volutile	organic	Compo

Matrix: Solid							Prep Type: 1	fotal/NA
Analysis Batch: 29845							Prep Batch	n: 29770
	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00200	U	0.00200	mg/Kg		07/14/22 16:20	07/15/22 14:37	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/14/22 16:20	07/15/22 14:37	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/14/22 16:20	07/15/22 14:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		07/14/22 16:20	07/15/22 14:37	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/14/22 16:20	07/15/22 14:37	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/14/22 16:20	07/15/22 14:37	1
	МВ	МВ						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130			07/14/22 16:20	07/15/22 14:37	1
1,4-Difluorobenzene (Surr)	96		70 - 130			07/14/22 16:20	07/15/22 14:37	1

Lab Sample ID: LCS 880-29770/1-A Matrix: Solid

Analysis Batch: 29845

	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	0.100	0.08786		mg/Kg		88	70 - 130
Toluene	0.100	0.08880		mg/Kg		89	70 - 130
Ethylbenzene	0.100	0.09443		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	0.200	0.1978		mg/Kg		99	70 - 130
o-Xylene	0.100	0.1036		mg/Kg		104	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: LCSD 880-29770/2-A

Matrix: Solid

Analysis Batch: 29845							Prep	Batch:	29770
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09859		mg/Kg		99	70 - 130	12	35
Toluene	0.100	0.1026		mg/Kg		103	70 - 130	14	35
Ethylbenzene	0.100	0.1024		mg/Kg		102	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.2173		mg/Kg		109	70 - 130	9	35
o-Xylene	0.100	0.1163		mg/Kg		116	70 - 130	12	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)			70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-16938-A-3-D MS

Matrix: Solid

Analysis Batch: 29845									Prep	Batch: 2	29770	
	Sample	Sample	Spike	MS	MS				%Rec			
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Benzene	<0.00200	U	0.100	0.08357		mg/Kg		83	70 - 130			
Toluene	<0.00200	U	0.100	0.08946		mg/Kg		89	70 - 130			

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Prep Type: Total/NA

Client Sample ID: Matrix Spike

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 29770

Client: Ensolum

Project/Site: Corvo Fed #4

QC Sample Results

Job ID: 890-2541-1 SDG: 03D2024061

ab Sample ID: 880-16938-A-3-	D MS										Client S	Sample ID:	Matrix	Spike
latrix: Solid												Prep T	ype: To	tal/NA
Analysis Batch: 29845												Prep	Batch:	29770
	Sample	Sam	ple	Spike		MS	MS					%Rec		
nalyte	Result	Qua	lifier	Added		Result	Qualifier	Unit		D	%Rec	Limits		
thylbenzene	<0.00200	U		0.100	(0.08724		mg/Kg			87	70 - 130		
n-Xylene & p-Xylene	<0.00399	U		0.201		0.1898		mg/Kg			94	70 - 130		
-Xylene	<0.00200	U		0.100		0.1032		mg/Kg			103	70 - 130		
N		MS	1: 6 :	1										
Currogate		Qua	imer _	Limits	-									
-Bromofluorobenzene (Surr)	108 94			70 - 130 70 - 130										
,4-Difluorobenzene (Surr)	94			70 - 130										
ab Sample ID: 880-16938-A-3-	E MSD								Client	t Sa	mnle ID [.]	: Matrix Sp	ike Dur	olicate
Matrix: Solid									Chern				ype: To	
Analysis Batch: 29845													Batch:	
analysis Batch. 20040	Sample	Sam	ple	Spike		MSD	MSD					%Rec	Baten.	RPD
nalyte	Result		•	Added			Qualifier	Unit		D	%Rec	Limits	RPD	Limi
enzene	<0.00200			0.0994		0.09057		mg/Kg			91	70 - 130	8	35
oluene	<0.00200			0.0994		0.09063		mg/Kg			91 91	70 - 130 70 - 130	1	35
thylbenzene	<0.00200			0.0994		0.09024		mg/Kg			91 91	70 - 130	3	35
I-Xylene & p-Xylene	<0.00200			0.199		0.19024		mg/Kg			91 95	70 - 130	0	35
	<0.00399			0.0994		0.1017		mg/Kg			93 102	70 - 130	1	35
-Aylene	<0.00200	0		0.0994		0.1017		mg/rtg			102	70 - 130	1	00
	MSD	MSE)											
Surrogate	%Recovery	Qua	lifier	Limits										
-Bromofluorobenzene (Surr)	104			70 - 130	•									
,4-Difluorobenzene (Surr)	99			70 - 130										
ethod: 8015B NM - Diesel	Range Or	gar	iics (DR	lO) (GC)	1									
_ab Sample ID: MB 880-29672/1	1-A										Client Sa	ample ID: M	Nethod	Blank
Matrix: Solid												Prep T	ype: To	tal/NA
Analysis Batch: 29692												Prep	Batch:	29672
		MB	MB											
Analyte	Re	esult	Qualifier		RL		Unit		<u>D</u>	Pr	epared	Analyz	ed	Dil Fac
Gasoline Range Organics GRO)-C6-C10	<	50.0	U		50.0		mg/K	9	(07/13	3/22 15:06	07/14/22 0)9:52	1
Diesel Range Organics (Over	<	50.0	U		50.0		mg/Kg	g	(07/13	8/22 15:06	07/14/22 0)9:52	1
C10-C28) DII Range Organics (Over C28-C36)	<	50.0	U		50.0		mg/Kg	g	(07/13	3/22 15:06	07/14/22 0)9:52	1
		ΜВ	МВ											
Surrogate	%Reco	very	Qualifier	Lim	its					Pr	epared	Analyz	ed	Dil Fac
-Chlorooctane		88		70 -	130				(07/13	3/22 15:06	07/14/22 (09:52	1
-Terphenyl		102		70 -	130				(07/13	3/22 15:06	07/14/22 (09:52	1
ab Sample ID: LCS 880-29672	/ 2-A								Cli	ent	Sample	ID: Lab Co		
latrix: Solid													ype: To	
Analysis Batch: 29692												Prep	Batch:	29672
				Spike		LCS	LCS					%Rec		
nalyte				Added	_	Result	Qualifier	Unit		D	%Rec	Limits		_
				1000		989.6		mg/Kg			99	70 - 130		
Gasoline Range Organics (GRO)-C6-C10				1000		989.6 865.7		mg/Kg			99 87	70 - 130 70 - 130		

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Diesel Range Organics (Over

C10-C28)

865.7

mg/Kg

87

70 - 130

QC Sample Results

Job ID: 890-2541-1 SDG: 03D2024061

Client: Ensolum Project/Site: Corvo Fed #4

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

Lab Sample ID: LCS 880-296	72/2-A						Client	Sample	D: Lab Co		
Matrix: Solid										Type: Tot	
Analysis Batch: 29692									Prep	Batch:	2967
	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	97		70 - 130								
o-Terphenyl	110		70 - 130								
Lab Sample ID: LCSD 880-29	672/3-A					Clier	nt San	nple ID:	Lab Contro	l Sample	e Du
Matrix: Solid										Type: Tot	
Analysis Batch: 29692										Batch:	
			Spike	LCSD	LCSD				• %Rec		RP
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Lim
Gasoline Range Organics			1000	1004		mg/Kg		100	70 - 130	1	2
(GRO)-C6-C10			1000	1051		malla		105	70 120	10	0
Diesel Range Organics (Over C10-C28)			1000	1051		mg/Kg		105	70 - 130	19	2
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	113		70 - 130								
o-Terphenyl	126		70 - 130								
Lab Sample ID: 890-2547-A-5								Client	Sample ID	· Matrix	Snik
Matrix: Solid								onent		Type: Tot	
Analysis Batch: 29692										Batch:	
Analysis Daten. 20002	Sample	Sample	Spike	MS	MS				%Rec	Daten.	2307
Analyte	•	Qualifier	Added		Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics	<50.0		1000	1081	quamor	mg/Kg		104	70 - 130	·	
(GRO)-C6-C10											
Diesel Range Organics (Over C10-C28)	<50.0	U F1	1000	749.4		mg/Kg		75	70 - 130		
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	86		70 - 130								
o-Terphenyl	89		70 - 130								
Lab Sample ID: 890-2547-A-5	0-E MSD					CI	ient S	ample IC): Matrix Sp	oike Dup	olicat
Matrix: Solid										Type: Tot	
Analysis Batch: 29692										Batch:	
	Sample	Sample	Spike	MSD	MSD				%Rec		RP
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Lim
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	1289		mg/Kg		125	70 - 130	18	2
Diesel Range Organics (Over	<50.0	U F1	999	641.8	F1	mg/Kg		64	70 - 130	15	2
	-00.0	2	000	011.0				0.			2
C10-C28)	MSD	MSD									
	MSD %Recovery		Limits								
C10-C28)			Limits								

Client: Ensolum

Project/Site: Corvo Fed #4

QC Sample Results

Job ID: 890-2541-1 SDG: 03D2024061

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-29756/1-4	•										Client S	ample ID:		
Matrix: Solid												Prep	Type: S	oluble
Analysis Batch: 29890														
		MB MI	В											
Analyte		esult Qu	ualifier		RL		Unit		D	P	repared	Analyz		Dil Fac
Chloride	<	<5.00 U			5.00		mg/ł	Кg				07/16/22	20:55	1
Lab Sample ID: LCS 880-29756/2-	Α								Cli	ent	Sample	ID: Lab C	ontrol S	ample
Matrix: Solid												Prep	Type: S	oluble
Analysis Batch: 29890														
				Spike		LCS	LCS					%Rec		
Analyte				Added		Result	Qualifier	Unit		D	%Rec	Limits		
Chloride				250		260.6		mg/Kg		_	104	90 - 110		
Lab Sample ID: LCSD 880-29756/	3-A							CI	ient S	am	ple ID: I	_ab Contro	ol Sampl	le Dup
Matrix: Solid													Type: S	
Analysis Batch: 29890														
				Spike		LCSD	LCSD					%Rec		RPD
Analyte				Added		Result	Qualifier	Unit		D	%Rec	Limits	RPD	Limit
Chloride				250		261.6		mg/Kg		_	105	90 - 110	0	20
Lab Sample ID: 880-16905-A-1-B	MS										Client	Sample ID	: Matrix	Spike
Matrix: Solid												Prep	Type: S	oluble
Analysis Batch: 29890														
	Sample	Sample		Spike		MS	MS					%Rec		
Analyte	Result	Qualifie	r	Added		Result	Qualifier	Unit		D	%Rec	Limits		
Chloride	13.2	F1 F2		252		274.4		mg/Kg		_	104	90 - 110		
Lab Sample ID: 880-16905-A-1-C	MSD								Clien	t Sa	mple ID	: Matrix S	pike Dur	olicate
Matrix: Solid													Type: S	
Analysis Batch: 29890													100	
-	Sample	Sample		Spike		MSD	MSD					%Rec		RPD
Analyta	Result	Qualifie	r	Added		Result	Qualifier	Unit		D	%Rec	Limits	RPD	Limit
Analyte	Result	quanno												

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QC Association Summary

Client: Ensolum Project/Site: Corvo Fed #4

Job ID: 890-2541-1 SDG: 03D2024061

GC VOA

Prep Batch: 29770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	
890-2541-1	SS EAST	Total/NA	Solid	5035		
MB 880-29770/5-A	Method Blank	Total/NA	Solid	5035		5
LCS 880-29770/1-A	Lab Control Sample	Total/NA	Solid	5035	T	
LCSD 880-29770/2-A	Lab Control Sample Dup	Total/NA	Solid	5035		
880-16938-A-3-D MS	Matrix Spike	Total/NA	Solid	5035		
880-16938-A-3-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035		
Analysis Batch: 29845						8
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	
890-2541-1	SS EAST	Total/NA	Solid	8021B	29770	9
MB 880-29770/5-A	Method Blank	Total/NA	Solid	8021B	29770	
LCS 880-29770/1-A	Lab Control Sample	Total/NA	Solid	8021B	29770	
LCSD 880-29770/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	29770	
880-16938-A-3-D MS	Matrix Spike	Total/NA	Solid	8021B	29770	
880-16938-A-3-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	29770	
Analysis Batch: 29951						
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch	
890-2541-1	SSEAST	Total/NA	Solid	Total BTEX	· /	
GC Semi VOA						

Prep Batch: 29672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2541-1	SS EAST	Total/NA	Solid	8015NM Prep	
MB 880-29672/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-29672/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-29672/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2547-A-50-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2547-A-50-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 29692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2541-1	SS EAST	Total/NA	Solid	8015B NM	29672
MB 880-29672/1-A	Method Blank	Total/NA	Solid	8015B NM	29672
LCS 880-29672/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	29672
LCSD 880-29672/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	29672
890-2547-A-50-D MS	Matrix Spike	Total/NA	Solid	8015B NM	29672
890-2547-A-50-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	29672
Analysis Batch: 29831					
 Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2541-1	SS EAST	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 29756

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-2541-1	SS EAST	Soluble	Solid	DI Leach	
MB 880-29756/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-29756/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-29756/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

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HPLC/IC (Continued)

Leach Batch: 29756 (Continued)

Lab Sample ID 880-16905-A-1-B MS 880-16905-A-1-C MSD	Client Sample ID Matrix Spike Matrix Spike Duplicate	Prep Type Soluble Soluble	Matrix Solid Solid	Method DI Leach DI Leach	Prep Batch
Analysis Batch: 29890					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch

		Fieb lybe	IVIAULIX	wethod	Ртер Бассп	
890-2541-1	SS EAST	Soluble	Solid	300.0	29756	
MB 880-29756/1-A	Method Blank	Soluble	Solid	300.0	29756	Ì
LCS 880-29756/2-A	Lab Control Sample	Soluble	Solid	300.0	29756	
LCSD 880-29756/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	29756	
880-16905-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	29756	
880-16905-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	29756	

Job ID: 890-2541-1 SDG: 03D2024061

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Job ID: 890-2541-1 SDG: 03D2024061

Lab Sample ID: 890-2541-1

Matrix: Solid

Project/Site: Corvo Fed #4
Client Sample ID: SS EAST

Client: Ensolum

Date Collected: 07/11/22 13:40 Date Received: 07/12/22 08:32

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	29770	07/15/22 09:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29845	07/15/22 22:04	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29951	07/18/22 13:45	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29831	07/15/22 10:13	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29672	07/13/22 15:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29692	07/14/22 18:26	SM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	29756	07/14/22 12:54	SMC	XEN MID
Soluble	Analysis	300.0		1			29890	07/16/22 21:58	СН	XEN MID

Laboratory References:

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

Eurofins Carlsbad

Released to Imaging: 5/15/2023 11:41:46 AM

Accreditation/Certification Summary

Client: Ensolum Project/Site: Corvo Fed #4

Laboratory: Eurofins Midland

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

thority	F	Program	Identification Number	Expiration Date
xas	Ν	NELAP	T104704400-22-24	06-30-23
The following analytes	are included in this report, b	out the laboratory is not certif	ied by the governing authority. This list ma	ay include analytes for
the agency does not o			• • •	
the agency does not o Analysis Method	fer certification. Prep Method	Matrix	Analyte	
0,		Matrix Solid	Analyte Total TPH	

10

Job ID: 890-2541-1

SDG: 03D2024061

Eurofins Carlsbad

Client: Ensolum Project/Site: Corvo Fed #4 Job ID: 890-2541-1 SDG: 03D2024061

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

Protocol References:

ASTM = ASTM International

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Ensolum Project/Site: Corvo Fed #4 Job ID: 890-2541-1 SDG: 03D2024061

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth	
890-2541-1	SS EAST	Solid	07/11/22 13:40	07/12/22 08:32	0	4
						5
						8
						9
						12
						13

Environment Testing	nt Testing	Midland,	Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334	iio, TX (210) 509-3334	Work Order No:	No:	1
Xenco		EL Pasc Hobbs,	EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	, TX (806) 794-1296 , NM (575) 988-3199	www.xenco.com	com Page 🛐 of	A
Project Manager Kale	V	Bill to: (if different)			Work Ord	Work Order Comments	-
Easolum	þ				Program: UST/PST PRP	Brownfields RRC SL	Superfund
		Address:			State of Project:		
City, State ZIP:		City, State ZIP:			Reporting: Level II	PST/UST TRRP	Level IV
Phone:	Email:				Deliverables: EDD	ADaPT Other:	
lend	Intra	Turn Around	Pres.	ANALYSIS REQUEST		Preservative Codes	Codes
Project Number: (1) 10 10 17 00 1 Project Location:	Due Date:		Code				: Me
Sampler's Name: Chr. 3 Bar	TAT starts the the lab, if reco	TAT starts the day received by the lab, if received by 4:30pm				HCL: HC HNO 3: HN H2S0 4: H2 NaOH: Na	Na .
LE RECEIPT Temp Blank: Yes	No Wet Ice:	res No	eters			H 3PO 4: HP	
act: Ve No	Thermometer ID:	FULO07	mere9			NaHSO .: NABIS Na.s. O.: NaSO	
Seals: Yes No N/A	Temperature Reading:	0.0	H. X.s. 71	890-2541 Chain of Custody	of Custody	Zn Acetate+NaOH: Zn NaOH+Accordic Acid: SAPC	J.
Total Containers: J Corre Samule Identification Matrix D2	e -		15 15 10 10 10			Sample Comments	S S
	pied sampled	Comp	Cont			711150	
tasi Ul	1. () 77-11-1	5				KARP2DI TYES	1297
Total 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed	8RCR		Al Sb As Ba Be B Cd C CRA Sb As Ba Be Cd Cr	Ca Cr Co Cu Fe Pb M r Co Cu Pb Mn Mo Ni	Se Ag SiO ₂ Hg: 1631 /	Na Sr Tl Sn U V Zn 245.1 / 7470 / 7471	
Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of searce, Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of searce. Eurofins Xenco, will be lable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$55 cowild be appled 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.	titutes a valid purchase ord shall not assume any respo project and a charge of \$5	er from client company nsibility for any losses o. or each sample submitt	to Eurofins Xenco, its affillates and • expenses Incurred by the client II • ed to Eurofins Xenco, but not anal	I subcontractors. It assigns standard terms a f such losses are due to circumstances beyon lyzed. These terms will be enforced unless pr	and conditions ut the control eviously negotiated.		
Relinquished by: (Signature) Reco	Received by: (Signature)		Date/Time	Relinquished by: (Signature)	e) Received by: (Signature)	lature) Date/Time	
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Eurofins Carlsbad																		e e D	5	anvofing	-				
Carlsbad NM 88220 Phone 575-988-3199 Fax 575-988-3199	_	Snain	Chain of Custody Record	tody R	ecol	d												Į				Environr America	Environment Testing America	nt Te	sting
Client Information (Sub Contract Lab)	Sampler			Lab PM Krame	Lab PM Kramer Jessica	sica						Carrier Tracking No(s)	rackin	g No(s	Ű			COC No 890-83	COC No ⁻ 890-837 1						
Shipping/Receiving	Phone			E-Mail Jessi	E-Mail Jessica Kramer@et.eurofinsus com	ner@e	t.euro	finsu	scon	-	70	State of Origin New Mexico	Origin	-				Page Page	Page Page 1 of 1	<u>`</u>					
Company Eurofins Environment Testing South Centr					Accreditations Required (See note) NELAP - Texas	- Texa	quired	(See n	ote):									Jop #	Job # 890-2541-1	<u>`</u>					
Address 1211 W Florida Ave	Due Date Requested 7/18/2022	đ						≥	Analy	lvsis F	Requested	este	غ					Pres	ervati	Preservation Codes	odes	- I			
City Midland	TAT Requested (days):	ays):			terretarilit Starration		{						'		-		second		HCL NaOH	5	oza		None AsNaO2		
State Zip TX, 79701					<u>national la pa</u> terre constantes	трн											ana		2n Acetate Nitric Acid NaHSO4	4 diate	ירסו		Na2O4S Na2SO3		
Phone: 432-704-5440(Tel)	PO#				E. Helenenik Helenenik) Fuli	e										en Frienderster	Б. Т. Г. К.	F MeOH G - Amchlor				NazozO3 H2SO4 TSP Dodecahvdrate	cahvd	rate
Email	WO #					p (MOI	Chlorid	EX									Reference and a second secon		Ice DI Water	r r			Acetone MCAA		
Project Name corvo fed #4	Project #: 89000094					_S_Pro	ACH	OD) B.									ainer		EDTA EDA		NK		other (specify)	cifv)	
Site	SSOW#					015NM	D/DI_L	Calc (M	×v								of con	Other [.]							
)]	Sample	Sample Type (C=comp,	Matrix (^{W=water} S=solid, O=waste/oll,	eld Filtered erform MS/N	15MOD_NM/8	0_ORGFM_28	21B/5035FP_	tal_BTEX_GO								tal Number								
	X	X	Preserva	Preservation Code:	MARTINE SP	1616-00	and stated	٤	٦	ليستك	-		inered 1	<u>.</u>	<u>, 100</u>		X						opecial instructions/note	Note	
SS EAST (890-2541-1)	7/11/22	13 40 Mountain		Solid		××	×	×	×								4			52000 - 1 1140 -					
										_															
													+			+									
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Note Since laboratory accreditations are subject to change Eurofins Environment Testing South Central, LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing South Central LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing South Central, LLC.	t Testing South Centr ove for analysis/tests ntral, LLC attention in	al, LLC places /matrix being a mediately If a	the ownership inalyzed the sa all requested ac	of method anal imples must be creditations are	yte & acci shipped b current to	reditation back to the order of the second	י comp ne Eurc sturn th	liance i fíns Er le signe	upon o ìvironn ∋d Cha	ut sub tent Te	contractions sting sting strong stron	t labor South C	atories)entral	This	samp abora mplica	le ship ory or ince to	other Euro	is fon Instru fins E	varded ctions	under will be nent T	r chain provic esting	1-of-ct ded / South	istody Any ch 1 Cent	If the anges ral LL	0.9
Possible Hazard Identification					San	Sample Disposal (A fee	le Disposal (A fi Botum To Client	al (A	feer	nay t	⊔e as	sess	dii	samp	les a		tain	ed lo	nger	may be assessed if samples are retained longer than 1 month)	1 m	onth			
Deliverable Requested 1 II III IV Other (specify)	Primary Deliverable Rank 2	able Rank	N		Spe	Special Instructions/QC	truction	ons/Q		Requirements	ment	ents	ŀ						9				1011010		
Empty Kit Relinquished by		Date			Time			ӡӇ				ş	Method of Shipment:	of Ship	ment	ł	1	1							
Relinquished by UDA	Date/Time			Company		Received by	A.	Ì	Ŕ	P	\geq	2		Date	Lime.	5 N	VI	ų	\geq	8	\leq	Company	ny		
Relinquished by	Date/Time			Company		Received	- A							Da	Date/Time	œ.						Company	γny		
J	Date/Time		_	Company		Received by	a'by:							Da	Date/Time	œ						Company	ynı		
Custody Seals Intact Custody Seal No ∆ Yes ∆ No						Cooler Temperature(s) °C	empera	ature(s		and Other Remarks.	r Rem	arks,										/er- 0	6/08/	ž I	
																					~	/er 0	Ver 06/08/2021	2021	

5

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 2541 List Number: 1 Creator: Clifton, Cloe

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").

Job Number: 890-2541-1 SDG Number: 03D2024061 List Source: Eurofins Carlsbad

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 2541 List Number: 2 Creator: Kramer, Jessica

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

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

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Job Number: 890-2541-1 SDG Number: 03D2024061

List Source: Eurofins Midland List Creation: 07/13/22 11:52 AM

Received by OCD: 4/12/2023 2:08:32 PM

LINKS

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Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-2542-1

Laboratory Sample Delivery Group: 03D2024061 Client Project/Site: Corvo Fed #4

For:

Ensolum 705 W. Wadley Suite 210 Midland, Texas 79701

Attn: Kalei Jennings

RAMER

Authorized for release by: 7/19/2022 8:33:13 AM Jessica Kramer, Project Manager (432)704-5440 Jessica.Kramer@et.eurofinsus.com

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

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

SDG: 03D2024061

Page 57 of 123

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¢7	D: 4/12/2023 2:08:32 PM	Page 58 of J
	Definitions/Glossary	
Client: Ensolum Project/Site: Co		Job ID: 890-2542-1 SDG: 03D2024061
Qualifiers		
GC VOA		
Qualifier	Qualifier Description	
F1	MS and/or MSD recovery exceeds control limits.	
F2	MS/MSD RPD exceeds control limits	
U	Indicates the analyte was analyzed for but not detected.	
GC Semi VOA		
Qualifier	Qualifier Description	
F1	MS and/or MSD recovery exceeds control limits.	
U	Indicates the analyte was analyzed for but not detected.	
HPLC/IC		
Qualifier	Qualifier Description	
F1	MS and/or MSD recovery exceeds control limits.	
F2	MS/MSD RPD exceeds control limits	
U	Indicates the analyte was analyzed for but not detected.	
Glossary		
Abbreviation	These commonly used abbreviations may or may not be present in this report.	
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis	
%R	Percent Recovery	
CFL	Contains Free Liquid	
CFU	Colony Forming Unit	
CNF	Contains No Free Liquid	
DER	Duplicate Error Ratio (normalized absolute difference)	
Dil Fac	Dilution Factor	
DL	Detection Limit (DoD/DOE)	
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample	
DLC	Decision Level Concentration (Radiochemistry)	
EDL	Estimated Detection Limit (Dioxin)	
LOD	Limit of Detection (DoD/DOE)	
LOQ	Limit of Quantitation (DoD/DOE)	
MCL	EPA recommended "Maximum Contaminant Level"	
MDA MDC	Minimum Detectable Activity (Radiochemistry) 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	

PRES Presumptive QC Quality Control RER Relative Error Ratio (Radiochemistry)

Practical Quantitation Limit

- RL Reporting Limit or Requested Limit (Radiochemistry)
- RPD Relative Percent Difference, a measure of the relative difference between two points
- Toxicity Equivalent Factor (Dioxin) TEF TEQ Toxicity Equivalent Quotient (Dioxin)
- TNTC Too Numerous To Count

PQL

4

5

Job ID: 890-2542-1 SDG: 03D2024061

Job ID: 890-2542-1

Project/Site: Corvo Fed #4

Client: Ensolum

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-2542-1

Receipt

The sample was received on 7/12/2022 8:31 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.8°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-29773 and analytical batch 880-29894 was outside control limits. Sample matrix interference is suspected.

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

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-29756 and analytical batch 880-29890 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Job ID: 890-2542-1 SDG: 03D2024061

Client Sample ID: SS WEST

Date Collected: 07/11/22 13:45 Date Received: 07/12/22 08:31

Project/Site: Corvo Fed #4

Sample Depth: 0

Chloride

Client: Ensolum

Lab Sample ID: 890-2542-1

Matrix: Solid

5

- Method: 8021B - Volatile Organic	: Compounds (GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		07/14/22 16:44	07/18/22 18:46	1
Toluene	<0.00202	U	0.00202	mg/Kg		07/14/22 16:44	07/18/22 18:46	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		07/14/22 16:44	07/18/22 18:46	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		07/14/22 16:44	07/18/22 18:46	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		07/14/22 16:44	07/18/22 18:46	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		07/14/22 16:44	07/18/22 18:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130			07/14/22 16:44	07/18/22 18:46	1
1,4-Difluorobenzene (Surr)	99		70 - 130			07/14/22 16:44	07/18/22 18:46	1
– Method: Total BTEX - Total BTEX	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			07/19/22 09:21	1
- Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			07/15/22 10:13	1
- Method: 8015B NM - Diesel Rang	je Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		07/13/22 15:06	07/14/22 18:47	1
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		07/13/22 15:06	07/14/22 18:47	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		07/13/22 15:06	07/14/22 18:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130			07/13/22 15:06	07/14/22 18:47	1
o-Terphenyl	92		70 - 130			07/13/22 15:06	07/14/22 18:47	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

5.03

mg/Kg

07/16/22 22:06

1

<5.03 U

Eurofins Carlsbad

Released to Imaging: 5/15/2023 11:41:46 AM

Job ID: 890-2542-1 SDG: 03D2024061

Prep Type: Total/NA

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)		5
880-16810-A-1-C MS	Matrix Spike	113	92		
880-16810-A-1-D MSD	Matrix Spike Duplicate	87	96		6
890-2542-1	SS WEST	110	99		
LCS 880-29773/1-A	Lab Control Sample	106	100		
LCSD 880-29773/2-A	Lab Control Sample Dup	106	96		
MB 880-29773/5-A	Method Blank	97	96		8
Surrogate Legend					
BFB = 4-Bromofluorober	nzene (Surr)				9

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA Percent Surrogate Recovery (Acceptance Limits) 1CO1 OTPH1 (70-130) Lab Sample ID **Client Sample ID** (70-130) 890-2542-1 SS WEST 78 92 890-2547-A-50-D MS Matrix Spike 86 89 890-2547-A-50-E MSD Matrix Spike Duplicate 72 76 LCS 880-29672/2-A Lab Control Sample 97 110 LCSD 880-29672/3-A Lab Control Sample Dup 113 126 MB 880-29672/1-A Method Blank 88 102

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Eurofins Carlsbad

Client: Ensolum

QC Sample Results

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 29773

Project/Site: Corvo Fed #4

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-29773/5- Matrix: Solid Analysis Batch: 29894						Client Sa	mple ID: Metho Prep Type: 1 Prep Batch	otal/NA
	MB	MB	5.		_	- ·		
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/14/22 16:44	07/18/22 12:19	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/14/22 16:44	07/18/22 12:19	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/14/22 16:44	07/18/22 12:19	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		07/14/22 16:44	07/18/22 12:19	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/14/22 16:44	07/18/22 12:19	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/14/22 16:44	07/18/22 12:19	1
	МВ	МВ						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130			07/14/22 16:44	07/18/22 12:19	1
1,4-Difluorobenzene (Surr)	96		70 - 130			07/14/22 16:44	07/18/22 12:19	1

Lab Sample ID: LCS 880-29773/1-A Matrix: Solid

Analysis Batch: 29894

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09535		mg/Kg		95	70 - 130	
Toluene	0.100	0.09420		mg/Kg		94	70 - 130	
Ethylbenzene	0.100	0.09196		mg/Kg		92	70 - 130	
m-Xylene & p-Xylene	0.200	0.1938		mg/Kg		97	70 - 130	
o-Xylene	0.100	0.1030		mg/Kg		103	70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-29773/2-A

Matrix: Solid

Analysis Batch: 29894							Prep	Batch:	29773
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.08621		mg/Kg		86	70 - 130	10	35
Toluene	0.100	0.09273		mg/Kg		93	70 - 130	2	35
Ethylbenzene	0.100	0.09255		mg/Kg		93	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1968		mg/Kg		98	70 - 130	2	35
o-Xylene	0.100	0.1055		mg/Kg		105	70 - 130	2	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 880-16810-A-1-C MS

Matrix: Solid

Analysis Batch: 29894									Prep	Batch: 29773
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.00256		0.100	0.07776		mg/Kg		75	70 - 130	
Toluene	0.00205	F1	0.100	0.08486		mg/Kg		82	70 - 130	

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Prep Type: Total/NA

Client Sample ID: Matrix Spike

Released to Imaging: 5/15/2023 11:41:46 AM

Client: Ensolum

Project/Site: Corvo Fed #4

QC Sample Results

Job ID: 890-2542-1 SDG: 03D2024061

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

Matrix: Solid	1-C MS									Client S	Sample ID: Prep T		
Analysis Batch: 29894											Prep	Batch:	2977
	Sample	Samp	ple	Spike	MS	MS					%Rec		
Analyte	Result	Quali	ifier	Added	Result	Qualifier	Unit		D	%Rec	Limits		
Ethylbenzene	0.00345	F1		0.100	0.08141		mg/Kg			78	70 - 130		
n-Xylene & p-Xylene	0.0135	F1 F2	2	0.201	0.1739		mg/Kg			80	70 - 130		
o-Xylene	0.00687	F1 F2	2	0.100	0.09279		mg/Kg			86	70 - 130		
	MS	MS											
Surrogate	%Recovery		ifier	Limits									
4-Bromofluorobenzene (Surr)	113			70 - 130									
1,4-Difluorobenzene (Surr)	92			70 - 130 70 - 130									
_ab Sample ID: 880-16810-A-								Clier	at San		Matrix Sp	ika Duu	
•								Cilei	it Sai	ipie ib.			
Matrix: Solid											Prep T		
Analysis Batch: 29894	. .	_										Batch:	
	Sample			Spike	MSD						%Rec		RP
Analyte	Result	Quali	ifier	Added		Qualifier	Unit		D	%Rec	Limits	RPD	Lim
Benzene	0.00256			0.0994	0.07907		mg/Kg			77	70 - 130	2	3
Toluene	0.00205	F1		0.0994	0.06554	F1	mg/Kg			64	70 - 130	26	3
Ethylbenzene	0.00345	F1		0.0994	0.05957	F1	mg/Kg			56	70 - 130	31	3
n-Xylene & p-Xylene	0.0135	F1 F2	2	0.199	0.1176	F1 F2	mg/Kg			52	70 - 130	39	3
-Xylene	0.00687	F1 F2	2	0.0994	0.06403	F1 F2	mg/Kg			58	70 - 130	37	:
	MSD	MSD											
Surrogate	%Recovery	Qual	ifier	Limits									
4-Bromofluorobenzene (Surr)	87			70 - 130									
1 1 Difluorobenzena (Surr)	96			70 400									
				70 - 130									
	el Range Or	gan	ics (DR										
ethod: 8015B NM - Diese		gan	ics (DR						C	lient Sa	ample ID: N	lethod	Blan
ethod: 8015B NM - Diese Lab Sample ID: MB 880-29672		gan	iics (DR						C	lient Sa	ample ID: M		
ethod: 8015B NM - Diese Lab Sample ID: MB 880-29672 Matrix: Solid		gan	ics (DR						C	lient Sa	Prep T	ype: To	tal/N
ethod: 8015B NM - Diese Lab Sample ID: MB 880-29672 Matrix: Solid									C	lient Sa	Prep T		tal/N
ethod: 8015B NM - Diese _ab Sample ID: MB 880-29672 Matrix: Solid Analysis Batch: 29692	2/1-A	мв	МВ	8O) (GC)		11-14					Prep T Prep	ype: To Batch:	tal/N 2967
ethod: 8015B NM - Diese _ab Sample ID: MB 880-29672 Matrix: Solid Analysis Batch: 29692	2/1-A 	MB	MB Qualifier	RO) (GC)		Unit		D	Pre	pared	Prep T Prep Analyze	ype: To Batch: ed	tal/N 2967
ethod: 8015B NM - Diese Lab Sample ID: MB 880-29672 Matrix: Solid Analysis Batch: 29692 Analyte Gasoline Range Organics	2/1-A 	мв	MB Qualifier	8O) (GC)		Unit mg/K	g	<u>D</u> .	Pre		Prep T Prep	ype: To Batch: ed	tal/N 2967
1,4-Difluorobenzene (Surr) lethod: 8015B NM - Diese Lab Sample ID: MB 880-29672 Matrix: Solid Analysis Batch: 29692 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	2/1-A 	MB	MB Qualifier U	RO) (GC)			-	<u>D</u> .	Pre 07/13/	pared	Prep T Prep Analyze	ype: To Batch: ed 9:52	tal/N
ethod: 8015B NM - Diese Lab Sample ID: MB 880-29672 Matrix: Solid Analysis Batch: 29692 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	2/1-A 	MB esult 50.0	MB Qualifier U	RO) (GC) RL 		mg/K	g	<u>D</u>	Pre 07/13/ 07/13/	pared 22 15:06	Prep T Prep Analyze	ype: To Batch: ed 9:52 9:52	tal/N 2967
ethod: 8015B NM - Diese Lab Sample ID: MB 880-29672 Matrix: Solid Analysis Batch: 29692 Analyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) DII Range Organics (Over C28-C36)	2/1-A 	MB esult 50.0 50.0 50.0 <i>MB</i>	MB Qualifier U U U	RO) (GC) RL 50.0 50.0		mg/K	g	<u>D</u>	Pre 07/13/ 07/13/ 07/13/	pared 22 15:06 22 15:06 22 15:06	Prep T Prep 07/14/22 0 07/14/22 0	ype: To Batch: ed 9:52 9:52	Dil Fa
ethod: 8015B NM - Diese Lab Sample ID: MB 880-29672 Matrix: Solid Analysis Batch: 29692 Analyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) DII Range Organics (Over C28-C36)	2/1-A 	MB esult 50.0 50.0 50.0 <i>MB</i> <i>very</i>	MB Qualifier U U	RO) (GC) RL 50.0 50.0 50.0 Limits		mg/K	g	<u>D</u> .	Pre 07/13/ 07/13/ 07/13/	pared 22 15:06 22 15:06	Prep T Prep 07/14/22 0 07/14/22 0	ype: To Batch: 9:52 9:52 9:52	tal/N 2967
ethod: 8015B NM - Diese Lab Sample ID: MB 880-29672 Matrix: Solid Analysis Batch: 29692 Analyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) DII Range Organics (Over C28-C36) Surrogate	2/1-A 	MB esult 50.0 50.0 50.0 <i>MB</i>	MB Qualifier U U U	RO) (GC) RL 50.0 50.0		mg/K	g	<u>D</u> .	Pre 07/13/ 07/13/ 07/13/ Pre	pared 22 15:06 22 15:06 22 15:06	Prep T Prep 07/14/22 0 07/14/22 0 07/14/22 0	ype: To Batch: 9:52 9:52 9:52	Dil Fa
ethod: 8015B NM - Diese Lab Sample ID: MB 880-29672 Matrix: Solid Analysis Batch: 29692 Analyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over 210-C28) DII Range Organics (Over C28-C36) Burrogate I-Chlorooctane	2/1-A 	MB esult 50.0 50.0 50.0 <i>MB</i> <i>very</i>	MB Qualifier U U U	RO) (GC) RL 50.0 50.0 50.0 Limits		mg/K	g	<u>D</u> .	Pre 07/13/ 07/13/ 07/13/ Pre 07/13/	pared 22 15:06 22 15:06 22 15:06 22 15:06 pared	Prep T Prep 07/14/22 0 07/14/22 0 07/14/22 0 07/14/22 0 Analyze	ype: To Batch: 9:52 - 9:52 9:52 9:52 9:52 -	Dil Fa
ethod: 8015B NM - Diese ab Sample ID: MB 880-29672 Matrix: Solid Analysis Batch: 29692 Malyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) DII Range Organics (Over C28-C36) Surrogate -Chlorooctane -Terphenyl	2/1-A 	MB essuit 50.0 50.0 50.0 MB very 88	MB Qualifier U U U	RO) (GC) RL 50.0 50.0 50.0 50.0 70.130		mg/K	g	· _ ·	Pre 07/13/ 07/13/ 07/13/ Pre 07/13/ 07/13/	pared 22 15:06 22 15:06 22 15:06 22 15:06 22 15:06 22 15:06	Prep T Prep Analyze 07/14/22 0 07/14/22 0 07/14/22 0 07/14/22 0 07/14/22 0 07/14/22 0 07/14/22 0	ype: To Batch: 9:52 - 9:52 9:52 9:52 9:52 - 99:52 -	Dil Fa
ethod: 8015B NM - Diese _ab Sample ID: MB 880-29672 Matrix: Solid Analysis Batch: 29692 Analyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) DII Range Organics (Over C28-C36) Surrogate I-Chlorooctane D-Terphenyl _ab Sample ID: LCS 880-2967	2/1-A 	MB essuit 50.0 50.0 50.0 MB very 88	MB Qualifier U U U	RO) (GC) RL 50.0 50.0 50.0 50.0 70.130		mg/K	g	· _ ·	Pre 07/13/ 07/13/ 07/13/ Pre 07/13/ 07/13/	pared 22 15:06 22 15:06 22 15:06 22 15:06 22 15:06 22 15:06	Prep T Prep Analyze 07/14/22 0 07/14/22 0 07/14/22 0 07/14/22 0 07/14/22 0 07/14/22 0 07/14/22 0 07/14/22 0 07/14/22 0	ype: To Batch: 9:52 - 9:52 9:52 9:52 9:52 - 99:52 - 99:52 - 99:52 -	dil Fa Dil Fa
ethod: 8015B NM - Diese Lab Sample ID: MB 880-29672 Matrix: Solid Analysis Batch: 29692 Analyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) DII Range Organics (Over C28-C36) Surrogate I-Chlorooctane D-Terphenyl Lab Sample ID: LCS 880-2967 Matrix: Solid	2/1-A 	MB essuit 50.0 50.0 50.0 MB very 88	MB Qualifier U U U	RO) (GC) RL 50.0 50.0 50.0 50.0 70.130		mg/K	g	· _ ·	Pre 07/13/ 07/13/ 07/13/ Pre 07/13/ 07/13/	pared 22 15:06 22 15:06 22 15:06 22 15:06 22 15:06 22 15:06	Prep T Prep 07/14/22 0 07/14/22 0 07/14/22 0 07/14/22 0 07/14/22 0 07/14/22 0 07/14/22 0	ype: To Batch: 9:52 9:52 9:52 9:52 9:52 9:52 9:52 9:5	otal/N 2967 Dil Fa Dil Fa
ethod: 8015B NM - Diese Lab Sample ID: MB 880-29672 Matrix: Solid Analysis Batch: 29692 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	2/1-A 	MB essuit 50.0 50.0 50.0 MB very 88	MB Qualifier U U U	RO) (GC) RL 50.0 50.0 50.0 50.0 70.130		mg/K	g	· _ ·	Pre 07/13/ 07/13/ 07/13/ Pre 07/13/ 07/13/	pared 22 15:06 22 15:06 22 15:06 22 15:06 22 15:06 22 15:06	Prep T Prep 07/14/22 0 07/14/22 0 07/14/22 0 07/14/22 0 07/14/22 0 07/14/22 0 07/14/22 0	ype: To Batch: 9:52 - 9:52 9:52 9:52 9:52 - 99:52 - 99:52 - 99:52 -	otal/N 2967 Dil Fa Dil Fa

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QC Sample Results

Job ID: 890-2542-1 SDG: 03D2024061

Client: Ensolum Project/Site: Corvo Fed #4

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

Lab Sample ID: LCS 880-296	72/2-A						Client	Sample	D: Lab C		
Matrix: Solid										Type: To	
Analysis Batch: 29692									Prep	Batch:	2967
	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	97		70 - 130								
o-Terphenyl	110		70 - 130								
Lab Sample ID: LCSD 880-29	672/3-A					Clie	nt Sam	nple ID:	Lab Contro	ol Sampl	e Du
Matrix: Solid										Type: To	
Analysis Batch: 29692										Batch:	
,			Spike	LCSD	LCSD				%Rec		RP
Analyte			Added		Qualifier	Unit	D	%Rec	Limits	RPD	Lim
Gasoline Range Organics			1000	1004		mg/Kg		100	70 - 130	1	2
(GRO)-C6-C10											
Diesel Range Organics (Over C10-C28)			1000	1051		mg/Kg		105	70 - 130	19	2
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	113		70 - 130								
o-Terphenyl	126		70 - 130								
Lab Sample ID: 890-2547-A-5 Matrix: Solid Analysis Batch: 29692								onem	Prep	Type: To Batch:	tal/N
Matrix: Solid Analysis Batch: 29692 ^{Analyte}	Sample Result	Sample Qualifier	Spike Added		MS Qualifier	Unit	D	%Rec	Prep Prep %Rec Limits	Type: To	tal/N
Matrix: Solid Analysis Batch: 29692 Analyte Gasoline Range Organics	Sample	Qualifier	-			 mg/Kg	D		Prep 1 Prep %Rec	Type: To	tal/N
Matrix: Solid Analysis Batch: 29692 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Sample Result	Qualifier U	Added	Result			<u>D</u>	%Rec	Prep Prep %Rec Limits	Type: To	tal/N
Matrix: Solid Analysis Batch: 29692 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Sample Result <50.0 <50.0	Qualifier U	Added	Result 1081		mg/Kg	<u>D</u>	%Rec	Prep Prep %Rec Limits 70 - 130	Type: To	tal/N
Matrix: Solid Analysis Batch: 29692 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Sample Result <50.0 <50.0	Qualifier U U F1 MS	Added	Result 1081		mg/Kg	<u>D</u>	%Rec	Prep Prep %Rec Limits 70 - 130	Type: To	tal/N
Matrix: Solid Analysis Batch: 29692 ^{Analyte}	Sample Result <50.0 <50.0 MS	Qualifier U U F1 MS	Added	Result 1081		mg/Kg	<u>D</u>	%Rec	Prep Prep %Rec Limits 70 - 130	Type: To	tal/N
Matrix: Solid Analysis Batch: 29692 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane	Sample Result <50.0 <50.0 MS %Recovery	Qualifier U U F1 MS	Added 1000 1000 <i>Limits</i>	Result 1081		mg/Kg	<u> </u>	%Rec	Prep Prep %Rec Limits 70 - 130	Type: To	tal/N
Matrix: Solid Analysis Batch: 29692 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl	Sample Result <50.0 <50.0 MS %Recovery 86 89	Qualifier U U F1 MS	Added 1000 1000 <u>Limits</u> 70 - 130	Result 1081		mg/Kg		%Rec 104 75	Prep Prep %Rec Limits 70 - 130	Type: Tot Batch: :	tal/N 2967
Matrix: Solid Analysis Batch: 29692 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate	Sample Result <50.0 <50.0 MS %Recovery 86 89	Qualifier U U F1 MS	Added 1000 1000 <u>Limits</u> 70 - 130	Result 1081		mg/Kg		%Rec 104 75	Prep 7 Prep %Rec Limits 70 - 130 70 - 130 70 - 130	Type: Tot Batch: :	tal/N 2967
Matrix: Solid Analysis Batch: 29692 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-2547-A-5	Sample Result <50.0 <50.0 MS %Recovery 86 89	Qualifier U U F1 MS	Added 1000 1000 <u>Limits</u> 70 - 130	Result 1081		mg/Kg		%Rec 104 75	Prep %Rec Limits 70 - 130 70 - 130 20: Matrix Sp Prep	Type: Tof Batch: : 	tal/N 2967
Matrix: Solid Analysis Batch: 29692 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-2547-A-5 Matrix: Solid	Sample Result <50.0 <50.0 MS %Recovery 86 89 50-E MSD Sample	Qualifier U F1 MS Qualifier Sample	Added 1000 1000 <u>Limits</u> 70 - 130	Result 1081 749.4		mg/Kg		%Rec 104 75	Prep %Rec Limits 70 - 130 70 - 130 20: Matrix Sp Prep	Type: Tot Batch: : pike Dup Type: Tot	tal/N 2967
Matrix: Solid Analysis Batch: 29692 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-2547-A-5 Matrix: Solid Analysis Batch: 29692	Sample Result <50.0 <50.0 MS %Recovery 86 89 50-E MSD Sample Result	Qualifier U F1 MS Qualifier Sample Qualifier	Added 1000 1000 <u>Limits</u> 70 - 130 70 - 130	Result 1081 749.4 MSD Result	Qualifier	mg/Kg		%Rec 104 75	Prep %Rec Limits 70 - 130 70 - 130 70 - 130 9: Matrix Sp Prep Prep	pike Dup pike Dup Type: Tot Batch: 	licat tal/N 2967 2967 tal/N 2967 RP
Matrix: Solid Analysis Batch: 29692 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-2547-A-5 Matrix: Solid Analysis Batch: 29692 Analyte Gasoline Range Organics	Sample Result <50.0 <50.0 MS %Recovery 86 89 50-E MSD Sample	Qualifier U F1 MS Qualifier Sample Qualifier	Added 1000 1000 <u>Limits</u> 70 - 130 70 - 130 Spike	Result 1081 749.4 MSD	Qualifier	mg/Kg mg/Kg Cl	ient Sa	%Rec 104 75	Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 190 %Rec	pike Dup Batch: : Dup Type: Tot Batch: :	olicat tal/N 2967 tal/N 2967 RP Lim
Matrix: Solid Analysis Batch: 29692 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-2547-A-5 Matrix: Solid Analysis Batch: 29692 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Sample Result <50.0 <50.0 MS %Recovery 86 89 50-E MSD Sample Result	Qualifier U F1 MS Qualifier Qualifier U	Added 1000 1000 <u>Limits</u> 70 - 130 70 - 130 70 - 130	Result 1081 749.4 MSD Result	Qualifier MSD Qualifier	mg/Kg mg/Kg Cl	ient Sa	<u>%Rec</u> 104 75 ample IC	Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 9 70 - 130 70 - 130 70 - 130	pike Dup pike Dup Type: Tot Batch: 	blicat tal/N 2967 tal/N 2967 RP Lim 2
Matrix: Solid Analysis Batch: 29692 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-2547-A-5 Matrix: Solid Analysis Batch: 29692 Analyte Gasoline Range Organics (GRO)-C6-C10	Sample Result <50.0 <50.0 MS %Recovery 86 89 50-E MSD Sample Result <50.0 <50.0	Qualifier U F1 MS Qualifier Qualifier U U F1	Added 1000 1000 <i>Limits</i> 70 - 130 70 - 130 70 - 130 999	Result 1081 749.4 MSD Result 1289	Qualifier MSD Qualifier	mg/Kg mg/Kg Cl Unit mg/Kg	ient Sa	<u>%Rec</u> 104 75 ample IC %Rec 125	Prep %Rec Limits 70 - 130 70 - 130 70 - 130 0: Matrix Sp Prep %Rec Limits 70 - 130	pike Dup Type: Tot Batch: : Batch: : Batch: : RPD 18	blicat 2967 2967 2967 RP Lim 2
Matrix: Solid Analysis Batch: 29692 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-2547-A-5 Matrix: Solid Analysis Batch: 29692 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Sample Result <50.0 <50.0 MS %Recovery 86 89 60-E MSD Sample Result <50.0 <50.0 MSD	Qualifier U F1 MS Qualifier U U F1 WSD	Added 1000 1000 1000 Limits 70 - 130 70 - 130 Spike Added 999 999	Result 1081 749.4 MSD Result 1289	Qualifier MSD Qualifier	mg/Kg mg/Kg Cl Unit mg/Kg	ient Sa	<u>%Rec</u> 104 75 ample IC %Rec 125	Prep %Rec Limits 70 - 130 70 - 130 70 - 130 0: Matrix Sp Prep %Rec Limits 70 - 130	pike Dup Type: Tot Batch: : Batch: : Batch: : RPD 18	blicat 2967 2967 2967 RP Lim 2
Matrix: Solid Analysis Batch: 29692 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-2547-A-5 Matrix: Solid Analysis Batch: 29692 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Sample Result <50.0 <50.0 MS %Recovery 86 89 50-E MSD Sample Result <50.0 <50.0	Qualifier U F1 MS Qualifier U U F1 WSD	Added 1000 1000 <i>Limits</i> 70 - 130 70 - 130 70 - 130 999	Result 1081 749.4 MSD Result 1289	Qualifier MSD Qualifier	mg/Kg mg/Kg Cl Unit mg/Kg	ient Sa	<u>%Rec</u> 104 75 ample IC %Rec 125	Prep %Rec Limits 70 - 130 70 - 130 70 - 130 0: Matrix Sp Prep %Rec Limits 70 - 130	pike Dup Type: Tot Batch: : Batch: : Batch: : RPD 18	licat tal/N 2967

Client: Ensolum

Project/Site: Corvo Fed #4

QC Sample Results

Job ID: 890-2542-1 SDG: 03D2024061

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-29756/1-/ Matrix: Solid	4							Client	Sample ID:	Method Type: S	
Analysis Batch: 29890									Fieh	rype. S	olubi
Analysis Daten. 20000		МВ МВ									
Analyte	R	esult Qualif	fier	RL	Unit		D	Prepared	Analy	zed	Dil Fa
Chloride		5.00 U		5.00	mg/K	g		Tioparoa	07/16/22		Diria
Lab Sample ID: LCS 880-29756/2	-Δ						Clie	ent Samr	ole ID: Lab C	ontrol S	amnl
Matrix: Solid	~						Und	int Oamp		Type: S	
Analysis Batch: 29890									1100		orabi
Analysis Baten. 20000			Spike	LCS	LCS				%Rec		
Analyte			Added		Qualifier	Unit		D %Rec			
Chloride			250	260.6		mg/Kg		104		·	
Lab Sample ID: LCSD 990 20750	0.4					0		emple ID	Lab Cantu	ol Comul	
Lab Sample ID: LCSD 880-29756/ Matrix: Solid	J-A					U.	ient 5	ampie ib	: Lab Contro		
									Prep	Type: S	olub
Analysis Batch: 29890			Spike	LCSD	LCSD				%Rec		RP
Analyte			Added		Qualifier	Unit		D %Rec		RPD	Lim
Chloride			250	261.6		mg/Kg		105		0	2
Lab Sample ID: 880-16905-A-1-B	MS							Clie	nt Sample IE	D: Matrix	Spik
Las Sampie 15. 000-10300-A-1-D									Prep	Type: S	olubl
Matrix: Solid											
Matrix: Solid											
Matrix: Solid	Sample	Sample	Spike	MS	MS				%Rec		
Matrix: Solid Analysis Batch: 29890	-	Sample Qualifier	Spike Added	MS Result		Unit		D %Rec			
Matrix: Solid Analysis Batch: 29890	Result	•				- <mark>Unit</mark> mg/Kg		D %Rec 104	Limits		
Matrix: Solid Analysis Batch: 29890 Analyte Chloride	Result 13.2	Qualifier	Added	Result		mg/Kg		104	Limits 90 - 110	pike Du	
Matrix: Solid Analysis Batch: 29890 Analyte Chloride Lab Sample ID: 880-16905-A-1-C	Result 13.2	Qualifier	Added	Result		mg/Kg		104	Limits 90 - 110		
Matrix: Solid Analysis Batch: 29890 Analyte Chloride Lab Sample ID: 880-16905-A-1-C Matrix: Solid	Result 13.2	Qualifier	Added	Result		mg/Kg		104	Limits 90 - 110	pike Dup Type: S	
Matrix: Solid Analysis Batch: 29890 Analyte	Result 13.2	Qualifier F1 F2	Added	Result	Qualifier	mg/Kg		104	Limits 90 - 110		
Matrix: Solid Analysis Batch: 29890 Analyte Chloride Lab Sample ID: 880-16905-A-1-C Matrix: Solid	Result 13.2 MSD Sample	Qualifier F1 F2	Added 252	Result 274.4	Qualifier	mg/Kg	Client	104	Limits 90 - 110 ID: Matrix S Prep %Rec		olubl

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Released to Imaging: 5/15/2023 11:41:46 AM

QC Association Summary

Client: Ensolum Project/Site: Corvo Fed #4

Job ID: 890-2542-1 SDG: 03D2024061

GC VOA

Prep Batch: 29773

_ab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
90-2542-1	SS WEST	Total/NA	Solid	5035	
/IB 880-29773/5-A	Method Blank	Total/NA	Solid	5035	
.CS 880-29773/1-A	Lab Control Sample	Total/NA	Solid	5035	
CSD 880-29773/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
80-16810-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
80-16810-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	
nalysis Batch: 29894					
ab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
90-2542-1	SS WEST	Total/NA	Solid	8021B	2977
1B 880-29773/5-A	Method Blank	Total/NA	Solid	8021B	2977
CS 880-29773/1-A	Lab Control Sample	Total/NA	Solid	8021B	2977
CSD 880-29773/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	2977
80-16810-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	2977
80-16810-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	2977
alysis Batch: 30032					
ab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
90-2542-1	SS WEST	Total/NA	Solid	Total BTEX	

Prep Batch: 29672

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-2542-1	SS WEST	Total/NA	Solid	8015NM Prep	
MB 880-29672/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-29672/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-29672/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2547-A-50-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2547-A-50-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 29692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2542-1	SS WEST	Total/NA	Solid	8015B NM	29672
MB 880-29672/1-A	Method Blank	Total/NA	Solid	8015B NM	29672
LCS 880-29672/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	29672
LCSD 880-29672/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	29672
890-2547-A-50-D MS	Matrix Spike	Total/NA	Solid	8015B NM	29672
890-2547-A-50-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	29672
Analysis Batch: 29832					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch

Total/NA

Solid

8015 NM

890-2542-1

Leach Batch: 29756

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-2542-1	SS WEST	Soluble	Solid	DI Leach	
MB 880-29756/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-29756/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-29756/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

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SS WEST

QC Association Summary

Client: Ensolum Project/Site: Corvo Fed #4

HPLC/IC (Continued)

Leach Batch: 29756 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16905-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-16905-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
Analysis Batch: 29890					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2542-1	SS WEST	Soluble	Solid	300.0	29756

090-2042-1	33 WL31	Soluble	Solid	300.0
MB 880-29756/1-A	Method Blank	Soluble	Solid	300.0
LCS 880-29756/2-A	Lab Control Sample	Soluble	Solid	300.0
LCSD 880-29756/3-A	Lab Control Sample Dup	Soluble	Solid	300.0
880-16905-A-1-B MS	Matrix Spike	Soluble	Solid	300.0
880-16905-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0

Job ID: 890-2542-1 SDG: 03D2024061

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5

8

29756

Job ID: 890-2542-1 SDG: 03D2024061

Lab Sample ID: 890-2542-1 Matrix: Solid

Date Collected: 07/11/22 13:45 Date Received: 07/12/22 08:31

Client Sample ID: SS WEST

Project/Site: Corvo Fed #4

Client: Ensolum

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	29773	07/14/22 16:44	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29894	07/18/22 18:46	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30032	07/19/22 09:21	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29832	07/15/22 10:13	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	29672	07/13/22 15:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29692	07/14/22 18:47	SM	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	29756	07/14/22 12:54	SMC	XEN MID
Soluble	Analysis	300.0		1			29890	07/16/22 22:06	СН	XEN MID

Laboratory References:

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

Eurofins Carlsbad

Released to Imaging: 5/15/2023 11:41:46 AM

Accreditation/Certification Summary

Client: Ensolum Project/Site: Corvo Fed #4

Laboratory: Eurofins Midland

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

thority	1	Program	Identification Number	Expiration Date	
xas			T104704400-22-24	06-30-23	
The following analytes	are included in this report.	but the laboratory is not certif	ied by the governing authority. This list ma	av include analytes for	
the agency does not o	fer certification.		, , , , , ,	,	
0,	ency does not offer certification.	Matrix	Analyte		
the agency does not o	fer certification.	Matrix Solid	, , , , , ,		

Job ID: 890-2542-1

SDG: 03D2024061

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Eurofins Carlsbad

Client: Ensolum Project/Site: Corvo Fed #4 Job ID: 890-2542-1 SDG: 03D2024061

lethod	Method Description	Protocol	Laboratory
021B	Volatile Organic Compounds (GC)	SW846	XEN MID
otal BTEX	Total BTEX Calculation	TAL SOP	XEN MID
015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
00.0	Anions, Ion Chromatography	MCAWW	XEN MID
035	Closed System Purge and Trap	SW846	XEN MID
015NM Prep	Microextraction	SW846	XEN MID
01 Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Ensolum Project/Site: Corvo Fed #4 Job ID: 890-2542-1 SDG: 03D2024061

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth	
890-2542-1	SS WEST	Solid	07/11/22 13:45	07/12/22 08:31	0	4
						5
						8
						9
						12
						13

7/19/2022

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Received by OCD: 4/12/2023 2:08:32 PM

ON D COL D	ody Sea	Relinquished by	Relinquished by	Relinquished by	Empty Kit Relinquished by	Deliverable Requested I, II III IV Other (specify)	Possible Hazard Identification Unconfirmed	Note: Since laboratory accreditations are subject to change Eurofins Environment Testing South Central LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/testimatrix being analyzed the samples must be shipped back to the Eurofins Environment Testing South Central LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing South Central LLC attention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing South Central LLC							SS WEST (890-2542-1)		Sample Identification - Client ID (Lab ID)	Site	Project Name CORVO FED #4	Email	Phone: 432-704-5440(Tel)	State Zip: TX 79701	City Midland	Address 1211 W Florida Ave	Company Eurofins Environment Testing South Centr	Shipping/Receiving	Client Information (Sub Contract Lab)	Eurotins Carisbad 1089 N Canal St. Carisbad NM 88220 Phone. 575-988-3199 Fax: 575-988-3199
		Date/Time	Date/Time,	Date/Time		Primary Deliverable Rank.		nment Testing South Centra ed above for analysis/tests/ th Central LLC attention im							7/11/22	V	Sample Date	SSOW#	Project # [.] 89000094	# OW	PO#		TAT Requested (days):	Due Date Requested 7/18/2022		Phone	Sampler	
					Date	able Rank.		al LLC place matrix being mediately If							13 45 Mountain	X	Sample Time						ıys):	ă				Chain
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F	Coole	Rece	Receiveerb	Rece		Special Instructions/C	Sample Disposal (A fee may be assessed if samples are retained longer Return To Client Disposal By Lab Archive For	ccredita d back t it to date							×		8015MOD_NM/	interderet attillere	tarittildari	in all the second	D) Full	трн	there to be a fi		Accreditations Required (See NELAP - Texas	amer(essica	ord
	Cooler Temperature(s)	Received by	урабу	Received by		nstru	le Disposal (A f Return To Client	tion co o the E returr							×	<u>wan</u> ê	8015MOD_Calo			-					Requir Xas	Det.et		
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5

12 13

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 2542 List Number: 1 Creator: Clifton, Cloe

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").

14

Job Number: 890-2542-1 SDG Number: 03D2024061

List Source: Eurofins Carlsbad

14

Job Number: 890-2542-1 SDG Number: 03D2024061

List Source: Eurofins Midland

List Creation: 07/13/22 11:52 AM

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 2542 List Number: 2 Creator: Kramer, Jessica

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

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

Received by OCD: 4/12/2023 2:08:32 PM

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Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-2543-1

Laboratory Sample Delivery Group: 03D2024061 Client Project/Site: CORVO FED #4

For:

Ensolum 705 W. Wadley Suite 210 Midland, Texas 79701

Attn: Kalei Jennings

RAMER

Authorized for release by: 7/21/2022 8:03:00 AM Jessica Kramer, Project Manager (432)704-5440 Jessica.Kramer@et.eurofinsus.com

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

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

Page 77 of 123

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QC Association Summary	11
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Method Summary	15
Sample Summary	16
Chain of Custody	17
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Qualifier Description

Qualifier Description

Indicates the analyte was analyzed for but not detected.

Indicates the analyte was analyzed for but not detected.

Indicates the analyte was analyzed for but not detected.

MS and/or MSD recovery exceeds control limits.

MS and/or MSD recovery exceeds control limits.

MS/MSD RPD exceeds control limits

5

Client: Enso Project/Site:	olum : CORVO FED #4	Job ID: 890-2543-1 SDG: 03D2024061	2
Qualifiers	;		3
GC VOA Qualifier	Qualifier Description		Λ
F1	MS and/or MSD recovery exceeds control limits.		

F1 F2

HPLC/IC Qualifier

GC Semi VOA Qualifier

U

F1

U

U

Glossary

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

4

Job ID: 890-2543-1 SDG: 03D2024061

Job ID: 890-2543-1

Client: Ensolum

Laboratory: Eurofins Carlsbad

Project/Site: CORVO FED #4

Narrative

Job Narrative 890-2543-1

Receipt

The sample was received on 7/12/2022 8:31 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.8°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 880-29817 and analytical batch 880-30096 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

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-29756 and analytical batch 880-29890 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

RL

Unit

D

Prepared

Job ID: 890-2543-1 SDG: 03D2024061

Client Sample ID: SS SOUTH

Method: 8021B - Volatile Organic Compounds (GC)

Result Qualifier

Date Collected: 07/11/22 13:35 Date Received: 07/12/22 08:31

Project/Site: CORVO FED #4

Sample Depth: 0

Analyte

Client: Ensolum

Lab Sample ID: 890-2543-1

Analyzed

Matrix: Solid

Dil Fac

5

Analyto	Rooun	quannoi	112	onic		rioparoa	Analyzou	Birrao
Benzene	< 0.00200	U	0.00200	mg/Kg		07/15/22 09:11	07/20/22 14:37	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/15/22 09:11	07/20/22 14:37	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/15/22 09:11	07/20/22 14:37	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		07/15/22 09:11	07/20/22 14:37	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/15/22 09:11	07/20/22 14:37	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		07/15/22 09:11	07/20/22 14:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130			07/15/22 09:11	07/20/22 14:37	1
1,4-Difluorobenzene (Surr)	100		70 - 130			07/15/22 09:11	07/20/22 14:37	1
- Method: Total BTEX - Total BTE	X Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			07/21/22 08:55	1
- Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9		49.9	mg/Kg			07/15/22 10:13	1
- -								
Method: 8015B NM - Diesel Ran								
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		07/13/22 15:06	07/14/22 19:08	1
Diesel Range Organics (Over	<49.9	П	49.9	mg/Kg		07/13/22 15:06	07/14/22 19:08	1
C10-C28)	10.0	0	10.0	ing/itg		01710/22 10:00	0111122 10:00	
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		07/13/22 15:06	07/14/22 19:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130			07/13/22 15:06	07/14/22 19:08	1
o-Terphenyl	84		70 - 130			07/13/22 15:06	07/14/22 19:08	1
Method: 300.0 - Anions, Ion Chr	omatography -	Soluble						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	296		5.02	mg/Kg			07/16/22 22:29	1
-								

Eurofins Carlsbad

7/21/2022

SDG: 03D2024061

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

				Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)		5
890-2539-A-1-E MS 890-2539-A-1-F MSD	Matrix Spike Matrix Spike Duplicate	90 106	95 89		6
890-2543-1 LCS 880-29817/1-A LCSD 880-29817/2-A	SS SOUTH Lab Control Sample Lab Control Sample Dup	107 109 101	100 97 95		
MB 880-29817/5-A	Method Blank	98	95 96		8
Surrogate Legend BFB = 4-Bromofluorobe	enzene (Surr)				9

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid				Prep Type: Total/NA	
		1CO1	OTPH1	Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		
890-2543-1	SS SOUTH	73	84	·	
890-2547-A-50-D MS	Matrix Spike	86	89		
890-2547-A-50-E MSD	Matrix Spike Duplicate	72	76		
LCS 880-29672/2-A	Lab Control Sample	97	110		
LCSD 880-29672/3-A	Lab Control Sample Dup	113	126		
MB 880-29672/1-A	Method Blank	88	102		

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Job ID: 890-2543-1

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Eurofins Carlsbad

Client: Ensolum

QC Sample Results

Job ID: 890-2543-1 SDG: 03D2024061

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 29817

Project/Site: CORVO FED #4 Method: 8021B - Volatile Organic Compounds (GC)

_____ Lab Sample ID: MB 880-29817/5-A

Matrix: Solid Analysis Batch: 30096							Prep Type: 1 Prep Batch	
	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/15/22 09:11	07/20/22 12:46	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/15/22 09:11	07/20/22 12:46	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/15/22 09:11	07/20/22 12:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		07/15/22 09:11	07/20/22 12:46	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/15/22 09:11	07/20/22 12:46	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/15/22 09:11	07/20/22 12:46	1
	MB	МВ						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 _ 130			07/15/22 09:11	07/20/22 12:46	1
1,4-Difluorobenzene (Surr)	96		70 - 130			07/15/22 09:11	07/20/22 12:46	1

Lab Sample ID: LCS 880-29817/1-A Matrix: Solid

Analysis Batch: 30096

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1048		mg/Kg		105	70 - 130	
Toluene	0.100	0.1037		mg/Kg		104	70 - 130	
Ethylbenzene	0.100	0.1069		mg/Kg		107	70 - 130	
m-Xylene & p-Xylene	0.200	0.2278		mg/Kg		114	70 - 130	
o-Xylene	0.100	0.1203		mg/Kg		120	70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: LCSD 880-29817/2-A

Matrix: Solid

Analysis Batch: 30096								Batch:	29817
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09444		mg/Kg		94	70 - 130	10	35
Toluene	0.100	0.09316		mg/Kg		93	70 - 130	11	35
Ethylbenzene	0.100	0.09138		mg/Kg		91	70 - 130	16	35
m-Xylene & p-Xylene	0.200	0.1945		mg/Kg		97	70 - 130	16	35
o-Xylene	0.100	0.1025		mg/Kg		103	70 - 130	16	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 _ 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 890-2539-A-1-E MS

Matrix: Solid

Analysis Batch: 30096									Pre	p Batch: 29817
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00201	U F1	0.0998	0.02974	F1	mg/Kg		29	70 - 130	
Toluene	0.0164	F1	0.0998	0.03203	F1	mg/Kg		16	70 - 130	

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Prep Type: Total/NA

Client Sample ID: Matrix Spike

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Lab Sample ID: 890-2539-A-1-E MS

QC Sample Results

MS MS

0.03403 F1

0.06705 F1

0.03828 F1

Result Qualifier

Unit

mg/Kg

mg/Kg

mg/Kg

Spike

Added

0.0998

0.200

0.0998

Limits

70 - 130

70 - 130

70 - 130

Client: Ensolum Project/Site: CORVO FED #4

Analysis Batch: 30096

Matrix: Solid

Analyte

o-Xylene

Surrogate

Ethylbenzene

m-Xylene & p-Xylene

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

Sample Sample

0.0194 F1

0.0239 F1

%Recovery

0.00435 F1

MS MS

90

95

89

Qualifier

Result Qualifier

Job ID: 890-2543-1 SDG: 03D2024061

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

%Rec

Limits

70 - 130

70 - 130

70 - 130

%Rec

15

22

34

D

Matrix: Solid Analysis Batch: 30096

1,4-Difluorobenzene (Surr)

Lab Sample ID: 890-2539-A-1-F MSD

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

Analysis Batch: 30096									Prep	Batch:	29 817
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00201	U F1	0.100	0.02922	F1	mg/Kg		29	70 - 130	2	35
Toluene	0.0164	F1	0.100	0.03409	F1	mg/Kg		18	70 - 130	6	35
Ethylbenzene	0.0194	F1	0.100	0.03490	F1	mg/Kg		15	70 - 130	3	35
m-Xylene & p-Xylene	0.0239	F1	0.201	0.07730	F1	mg/Kg		27	70 - 130	14	35
o-Xylene	0.00435	F1	0.100	0.04542	F1	mg/Kg		41	70 - 130	17	35
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)			70 - 130								

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

Lab Sample ID: MB 880-29672/1-A **Client Sample ID: Method Blank** Matrix: Solid Prep Type: Total/NA Prep Batch: 29672 Analysis Batch: 29692 MB MB Result Qualifier RL Unit D Prepared Analyzed Dil Fac Analyte 07/13/22 15:06 <50.0 U 50.0 07/14/22 09:52 Gasoline Range Organics mg/Kg (GRO)-C6-C10 07/13/22 15:06 07/14/22 09:52 Diesel Range Organics (Over <50.0 U 50.0 mg/Kg C10-C28) Oll Range Organics (Over C28-C36) <50.0 U 50.0 07/13/22 15:06 07/14/22 09:52 mg/Kg MB MB %Recovery Qualifier Limits Prepared Analyzed Dil Fac Surrogate 1-Chlorooctane 88 70 - 130 07/13/22 15:06 07/14/22 09:52 102 70 - 130 07/13/22 15:06 07/14/22 09:52 o-Terphenyl Lab Sample ID: LCS 880-29672/2-A **Client Sample ID: Lab Control Sample**

Matrix: Solid Analysis Batch: 29692

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	989.6		mg/Kg		99	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	865.7		mg/Kg		87	70 - 130	
C10-C28)								

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Prep Type: Total/NA

Prep Batch: 29672

Page 83 of 123 **Client Sample ID: Matrix Spike** Prep Type: Total/NA Prep Batch: 29817

1

1

1

1

1

QC Sample Results

Project/Site: CORVO FED #4

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

Lab Sample ID: LCS 880-2967 Matrix: Solid	2/2-A						Client	Sample	ID: Lab Co Prep 1	ontrol Sa ype: Tot	
Analysis Batch: 29692										Batch:	
	1.00	1.00									
Summerica		LCS	Limite								
Surrogate 1-Chlorooctane	%Recovery 97	Quaimer									
o-Terphenyl	97 110		70 - 130 70 - 130								
	110		70 - 130								
Lab Sample ID: LCSD 880-296	72/3-A					Clier	nt Sam	nple ID:	Lab Contro	Sample	e Dup
Matrix: Solid										ype: Tot	
Analysis Batch: 29692										Batch:	
· ······, ·····			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics			1000	1004		mg/Kg		100	70 - 130	1	20
(GRO)-C6-C10 Diesel Range Organics (Over			1000	1051		mg/Kg		105	70 - 130	19	20
C10-C28)			1000	1031		myrry		105	10 - 150	13	20
,											
		LCSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	113		70 - 130								
o-Terphenyl	126		70 - 130								
	D-D MS							Client	Sample ID	·Matrix	Snike
Matrix: Solid								onent		ype: Tot	
Analysis Batch: 29692										Batch:	
Analysis Datch. 20052	Sample	Sample	Spike	MS	MS				%Rec	Daten.	23072
Analyte	•	Qualifier	Added		Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics	<50.0		1000	1081		mg/Kg		104	70 - 130		
(GRO)-C6-C10		-									
Diesel Range Organics (Over	<50.0	U F1	1000	749.4		mg/Kg		75	70 - 130		
C10-C28)											
	MS	MS									
Surrogate	%Recovery		Limits								
1-Chlorooctane	86		70 - 130								
o-Terphenyl	89		70 - 130								
Lab Sample ID: 890-2547-A-50)-E MSD					CI	ient Sa	ample IC): Matrix Sp	oike Dup	olicate
Matrix: Solid									Prep 1	ype: Tot	tal/NA
Analysis Batch: 29692										Batch:	
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	<50.0	U	999	1289	_	mg/Kg		125	70 - 130	18	20
(GRO)-C6-C10						<i>K</i> -					_
Diesel Range Organics (Over	<50.0	U F1	999	641.8	F1	mg/Kg		64	70 - 130	15	20
C10-C28)											
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	72		70 - 130								

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Job ID: 890-2543-1

SDG: 03D2024061

Eurofins Carlsbad

Project/Site: CORVO FED #4

Client: Ensolum

QC Sample Results

Job ID: 890-2543-1 SDG: 03D2024061

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-29756/1	- A							Client S	Sample ID:	Method	Blank
Matrix: Solid									Prep	Type: S	oluble
Analysis Batch: 29890											
		MB MB									
Analyte	Re	esult Qualifier	R	L	Unit		D	Prepared	Analyz	zed	Dil Fa
Chloride	<	5.00 U	5.0	0	mg/K	g			07/16/22	20:55	
Lab Sample ID: LCS 880-29756/	2-A						Clien	nt Sample	e ID: Lab C	ontrol S	ample
Matrix: Solid									Prep	Type: Se	olubl
Analysis Batch: 29890											
			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride			250	260.6		mg/Kg		104	90 - 110		
Lab Sample ID: LCSD 880-2975	6/3-A					Cli	ient Saı	mple ID:	Lab Contro	ol Sampl	e Duj
Matrix: Solid									Prep	Type: S	olubl
Analysis Batch: 29890											
Analysis Batch: 29890			Spike	LCSD	LCSD				%Rec		RPI
Analysis Batch: 29890 Analyte			Spike Added		LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
Analyte			•			Unit mg/Kg	D	%Rec		RPD	Limi
Analyte	B MS		Added	Result			D	105	Limits	0	Limi 20
Analyte Chloride Lab Sample ID: 880-16905-A-1-E	B MS		Added	Result			<u>D</u>	105	Limits 90 - 110 Sample ID	0	Limi 2' Spike
Analyte Chloride Lab Sample ID: 880-16905-A-1-E Matrix: Solid	B MS		Added	Result			<u>D</u>	105	Limits 90 - 110 Sample ID	0 •: Matrix	Limi 20 Spike
Analyte Chloride Lab Sample ID: 880-16905-A-1-E Matrix: Solid	B MS Sample	Sample	Added	Result 261.6			<u>D</u>	105	Limits 90 - 110 Sample ID	0 •: Matrix	Limi 20 Spike
Analyte Chloride Lab Sample ID: 880-16905-A-1-t Matrix: Solid Analysis Batch: 29890	Sample	Sample Qualifier	Added	Result 261.6 MS	Qualifier		D	105	Limits 90 - 110 Sample ID Prep	0 •: Matrix	Limi 20 Spike
Analyte Chloride Lab Sample ID: 880-16905-A-1-E Matrix: Solid Analysis Batch: 29890 Analyte	Sample Result	•	Added 250 Spike	Result 261.6 MS	Qualifier	mg/Kg		105 Client	Limits 90 - 110 Sample ID Prep %Rec	0 •: Matrix	Limi 2' Spike
Analyte Chloride Lab Sample ID: 880-16905-A-1-t Matrix: Solid Analysis Batch: 29890 Analyte Chloride	Sample Result 13.2	Qualifier	Added 250 Spike Added	Result 261.6 MS Result	Qualifier	mg/Kg	D	105 Client %Rec 104	Limits 90 - 110 Sample ID Prep %Rec Limits	0 • Matrix Type: So	Lim 2 Spike olubl
Analyte Chloride Lab Sample ID: 880-16905-A-1-E Matrix: Solid Analysis Batch: 29890 Analyte Chloride Lab Sample ID: 880-16905-A-1-0	Sample Result 13.2	Qualifier	Added 250 Spike Added	Result 261.6 MS Result	Qualifier	mg/Kg	D	105 Client %Rec 104	Limits 90 - 110 Sample ID Prep %Rec Limits 90 - 110 D: Matrix Sp	0 • Matrix Type: So	Lim 2 Spike oluble
Analyte Chloride Lab Sample ID: 880-16905-A-1-F Matrix: Solid Analysis Batch: 29890 Analyte Chloride Lab Sample ID: 880-16905-A-1-C Matrix: Solid	Sample Result 13.2	Qualifier	Added 250 Spike Added	Result 261.6 MS Result	Qualifier	mg/Kg	D	105 Client %Rec 104	Limits 90 - 110 Sample ID Prep %Rec Limits 90 - 110 D: Matrix Sp	0 • Matrix Type: So 	Lim 2 Spike oluble
Analyte Chloride	Sample Result 13.2	Qualifier F1 F2	Added 250 Spike Added	Result 261.6 MS Result	Qualifier MS Qualifier	mg/Kg	D	105 Client %Rec 104	Limits 90 - 110 Sample ID Prep %Rec Limits 90 - 110 D: Matrix Sp	0 • Matrix Type: So 	Limi 20 Spike oluble
Analyte Chloride Lab Sample ID: 880-16905-A-1-F Matrix: Solid Analysis Batch: 29890 Analyte Chloride Lab Sample ID: 880-16905-A-1-C Matrix: Solid	Sample Result 13.2 C MSD Sample	Qualifier F1 F2	Added 250 Spike Added 252	Result 261.6 MS Result 274.4	Qualifier MS Qualifier	mg/Kg	D	105 Client %Rec 104	Limits 90 - 110 Sample ID Prep %Rec Limits 90 - 110 D: Matrix Sp Prep	0 • Matrix Type: So 	

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QC Association Summary

Client: Ensolum Project/Site: CORVO FED #4

Job ID: 890-2543-1 SDG: 03D2024061

GC VOA

Prep Batch: 29817

ab Sample ID.	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
90-2543-1	SS SOUTH	Total/NA	Solid	5035	
/IB 880-29817/5-A	Method Blank	Total/NA	Solid	5035	
.CS 880-29817/1-A	Lab Control Sample	Total/NA	Solid	5035	
CSD 880-29817/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
90-2539-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
90-2539-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	
alysis Batch: 30096	i				
b Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
0-2543-1	SS SOUTH	Total/NA	Solid	8021B	29817
3 880-29817/5-A	Method Blank	Total/NA	Solid	8021B	29817
S 880-29817/1-A	Lab Control Sample	Total/NA	Solid	8021B	29817
SD 880-29817/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	29817
0-2539-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	29817
90-2539-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	29817
alysis Batch: 30196	i				
ab Sample ID.	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
	SS SOUTH	Total/NA	Solid	Total BTEX	

Prep Batch: 29672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2543-1	SS SOUTH	Total/NA	Solid	8015NM Prep	
MB 880-29672/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-29672/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-29672/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2547-A-50-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2547-A-50-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 29692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2543-1	SS SOUTH	Total/NA	Solid	8015B NM	29672
MB 880-29672/1-A	Method Blank	Total/NA	Solid	8015B NM	29672
LCS 880-29672/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	29672
LCSD 880-29672/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	29672
890-2547-A-50-D MS	Matrix Spike	Total/NA	Solid	8015B NM	29672
890-2547-A-50-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	29672
Analysis Batch: 29833					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch

Total/NA

Solid

8015 NM

890-2543-1 HPLC/IC

Leach Batch: 29756

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method P	rep Batch
890-2543-1	SS SOUTH	Soluble	Solid	DI Leach	
MB 880-29756/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-29756/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-29756/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

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SS SOUTH

HPLC/IC (Continued)

LCSD 880-29756/3-A

880-16905-A-1-B MS

880-16905-A-1-C MSD

Leach Batch: 29756 (Continued)

Lab Control Sample Dup

Matrix Spike Duplicate

Matrix Spike

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16905-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-16905-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
Analysis Batch: 29890	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-2543-1	SS SOUTH	Soluble	Solid	300.0	29756
MB 880-29756/1-A	Method Blank	Soluble	Solid	300.0	29756

Soluble

Soluble

Soluble

Solid

Solid

Solid

300.0

300.0

300.0

SDG: 03D2024061

Job ID: 890-2543-1

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Eurofins Carlsbad

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29756

29756

29756

Job ID: 890-2543-1 SDG: 03D2024061

Lab Sample ID: 890-2543-1

Matrix: Solid

Date Collected: 07/11/22 13:35 Date Received: 07/12/22 08:31

Client Sample ID: SS SOUTH

Project/Site: CORVO FED #4

Client: Ensolum

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	29817	07/15/22 09:11	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30096	07/20/22 14:37	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30196	07/21/22 08:55	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29833	07/15/22 10:13	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	29672	07/13/22 15:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29692	07/14/22 19:08	SM	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	29756	07/14/22 12:54	SMC	XEN MID
Soluble	Analysis	300.0		1			29890	07/16/22 22:29	СН	XEN MID

Laboratory References:

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

Eurofins Carlsbad

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Accreditation/Certification Summary

Laboratory: Eurofins Midland

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

hority	F	Program	Identification Number	Expiration Date
as	1	IELAP	T104704400-22-24	06-30-23
the agency does not of	er certification.		ed by the governing authority. This list ma	ay include analytes for
0,		but the laboratory is not certif <u>Matrix</u> Solid	ied by the governing authority. This list ma Analyte Total TPH	ay include analytes for

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Job ID: 890-2543-1

SDG: 03D2024061

Eurofins Carlsbad

Client: Ensolum Project/Site: CORVO FED #4 Job ID: 890-2543-1 SDG: 03D2024061

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
SW846 =	= "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, Ma "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Ed	•	
TAL SUP	= TestAmerica Laboratories, Standard Operating Procedure		
Laboratory R	eferences:		
XEN MID	= Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440	1	

Protocol References:

Laboratory References:

Sample Summary

Client: Ensolum Project/Site: CORVO FED #4 Job ID: 890-2543-1 SDG: 03D2024061

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth	
890-2543-1	SS SOUTH	Solid	07/11/22 13:35	07/12/22 08:31	0	4
						5
						8
						9
						12
						13

Xenco	Environment Testing Xenco	Midland	поцькоп, гл. (ав.) 240-4200, Danas, гл. (214) 202.000 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 El Ресс. TX (015) 585-3443 1hhhnrk TX (806) 704-1796	lias, I X (z 14) 2022-2020 itonio, TX (210) 509-3334 rck TX (806i) 794-1796	Work Order No:	
		EL 73: Hobb	EL F350, IA (912) 285-2444, LUBDOCK, IA (900) 794-1290 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	ock, i x (ado) 794-1290 bad, NM (575) 988-3199	www.xenco.com	m Page 2 lof 2
Project Manager: Kale, Fr	FANINGS	Bill to: (if different)	t) [Work Order	Work Order Comments
Ensolu	2	Company Name:			T/PST PRP	Brownfields RRC Superfund
Address:		Address:			State of Project:	I
City, State ZIP:		City, State ZIP:			Reporting: Level II Level II	PST/UST TRRP Level IV
Phone:	Email:				Deliverables: EDD	ADaPT 🔲 Other:
2	# 1	A	Pres	ANALYSIS REQUEST	ST T	ervative
01010	Die Date:	IKush	Code			Cool: Cool MeOH: Me
Sampler's Name: ChrisBauth	TAT starts t	TAT starts the day received by				
<u> </u>	-	eceived by 4:30pm	SJE			H ₂ S0 4: H ₂ NaOH: Na
SAMPLE RECEIPT Temp Blank:	Thermometer ID ⁻	Ves No	amete			NaHSO 4: NABIS
Yes No	Correction Factor:	- 0. J	Para	890-2543 Chain of Custody	of Custody	Na 25 203: NaSO 3
Sample Custody Seals: Yes No N/A	Temperature Reading:	2.0	3.71			Zn Acetate+NaOH: Zn
	Corrected Temperature: Date Time		15 4/ Jo#			
Sample identification Matrix	Sampled Si	Depth Comp	-			
55 Sourth 5	255 2-11-2	0 6				TNC ED
						1LTOCHILTELAWN
Total 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed	8RCR	8RCRA 13PPM Texas 11 AI 5 TCLP / SPLP 6010 : 8RCRA	Al Sb As Ba Be B Cd CRA Sb As Ba Be Cd C	Ca Cr Co Cu Fe Pb N r Co Cu Pb Mn Mo Ni	lg Mn Mo Ni K Se Ag SiO ₂ Na Sr Se Ag TI U Hg: 1631/245.1	Sr Tl Sn U V Zn 5.1 / 7470 / 7471
Motice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affilates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of service. A minimum charge of 585.00 will be applied to each project and a charge of 55 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously nego	ples constitutes a valid purchase on the second of the second of the second of the second of the second a charge of the second s	order from client compan, ponsibility for any losses (\$5 for each sample submi	y to Eurofins Xenco, its affiliates or expenses incurred by the clie itted to Eurofins Xenco, but not.	litent company to Eurofins Xenco, its affiliates and subcontractors, it sasigns standard terms and conditions or any losses or expenses incurred by the client if such losses are due to circumstances beyond the control sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	and conditions of the control previously negotiated.	
Relinquished by: (Signature)	Received by: (Signature)	ıre)	Date/Time	Relinquished by: (Signature)	e) Received by: (Signature)	ure) Date/Time
lee A	Ducenza 2	tuf	7/12/02	CE30		

7/21/2022

Page 92 of 123

1089 N Canal St. Carlsbad NM 88220 Phone 575-988-3199 Fax 575-988-3199	Sampler	Chain of Custody Record	of Cust	Lab PM						Carrier Tracking No(s)	racking	40(s)			COC No	America COC No
Shipping/Receiving	Phone			E-Mail Jessic	E-Mail Jessica Kramer@et eurofinsus	et eu	rofinsus	com		State of Origin New Mexico	Drigin exico				Page	Page Page 1 of 1
Company Eurofins Environment Testing South Centr					Accreditations Required (See note): NELAP - Texas	ns Require Texas	id (See no	ote):							-068 # qop	Job # 890-2543-1
Address 1211 W Florida Ave,	Due Date Requested 7/18/2022	Ľ					Ą	Analysis		Requested	•				Pre	n Code
City Midland	TAT Requested (days):	/s):									'			_		
State Zip TX 79701					<u>angles d</u> <u>Angles d</u> <u>Angles d</u>											Zn Acetate P Nitric Acid Q NaHSO4 D
Phone 432-704-5440(Tel)	PO #				lan terrete		B							. ,		Amchlor
Email	WO#:				5)										I :	Ascorbic Acid Ce 11 Water
Project Name	Project #:				or N									ners	- 7 -	
CORVO FED #4	89000094				Yes									ntai		₽
Sie	SSOW#				SD (Y			v						of cor	Other	ler"
			Sample	Matrix (W=water	iltered : n MS/M D_NM/8	D_Calc	GFM_28 035FP_0	TEX_GC		····				umber		
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	= ;•	S=solid, O=waste/oil, BT=Tissue, A≈Alr)	Perfor	801 <i>5</i> M		Total_E						Fotal M		Special Instructions/Note-
	X	<u>L </u>		on Code:	- Annual -	in an	lansta		<u>arretti</u>					\times	Ĩ	
SS SOUTH (890-2543-1)	7/11/22	13 35 Mountain		Solid	×	×	××	×								
															<u>in the second seco</u>	
															and Korpenieral	
															nomenti	
															interest in	
										┝╌┥			┝─┤		<u>riceneriaeedi</u> di	
								ļ					+		atomana da	
														-	araanii mee wate	
Note Since laboratory accreditations are subject to change Eurofins Environment Testing South Central LLC places the ownership of method analyte accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/lests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central LLC attention in immediately. If all requested accreditations are current to date return the sciend Chain of Chai	rent Testing South Central above for analysis/tests/n Central LLC attention imn	I LLC places the natrix being an nediately If all	he ownership c alyzed, the sar i requested acc	of method anal nples must be preditations are	lyte & accre shipped bac current to c	ditation cor ok to the Eu	npliance u arofins En	upon out vironme	subcontr nt Testing	act labon South C	atories entral L	This sau	nple sh ratory o	ipmen r othe	instruction	warded under chair uctions will be provid
Possible Hazard Identification					Samp	Sample Disposal (A	sal (A	fee ma	ay be a	ssesse	difsa	mples	are	etain	ed lo	fee may be assessed if samples are retained longer than 1 month)
					P	Return To Clien	o Clien	, ,	· [Disposal By Lab	By La	6	ſ	Arc	Archive For	For
Deliverable Requested 1 II III IV Other (specify)	Primary Deliverable Rank. 2	ble Rank. 2			Speci	Special Instructions/Q	tions/Q	C Req	C Requirements	ts						
Empty Kit Relinquished by		Date			Time.		Ĵ,			M	Method of Shipment:	Shipme	Ħ			
Relinquished by	Date/Time			Company	R	Received by	Y	À	Ž	0	0	Date/Time		N	\dot{h}	2 HIV Company
Relinquished by	Date/Time			Company	R	Received by:	ţ	h		K	ľ	Date/Time	r		l)	ľ
Relinquished by	Date/Time			Company	R	Rebeived by						Date/Time	me			Company
A Yes A No					0	Cooler Temperature(s	erature(s)	°C and	and Other Remarks.	narks.						

12 13

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 2543 List Number: 1 Creator: Clifton, Cloe

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").

14

Job Number: 890-2543-1 SDG Number: 03D2024061

List Source: Eurofins Carlsbad

14

Job Number: 890-2543-1 SDG Number: 03D2024061

List Source: Eurofins Midland

List Creation: 07/13/22 11:52 AM

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 2543 List Number: 2 Creator: Kramer, Jessica

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

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

Received by OCD: 4/12/2023 2:08:32 PM



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Kalei Jennings Ensolum 601 N. Marienfeld St. Suite 400 Midland, Texas 79701 Generated 3/19/2023 4:58:03 PM

JOB DESCRIPTION

Conoco Phillips/COG SDG NUMBER Lea County, NM

JOB NUMBER

880-25621-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701



Received by OCD: 4/12/2023 2:08:32 PM

1

Eurofins Midland

Job Notes

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

Authorization

RAMER

Generated 3/19/2023 4:58:03 PM

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

Eurofins Midland is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

Laboratory Job ID: 880-25621-1 SDG: Lea County, NM

Table of Contents

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	Definitions/Glossary		
	-		
Client: Ensolum Project/Site: Co		Job ID: 880-25621-1 SDG: Lea County, NM	
Qualifiers			3
GC VOA			
Qualifier	Qualifier Description		
U	Indicates the analyte was analyzed for but not detected.		
GC Semi VOA			Ę
Qualifier	Qualifier Description		
S1+	Surrogate recovery exceeds control limits, high biased.		
U	Indicates the analyte was analyzed for but not detected.		
HPLC/IC			
Qualifier	Qualifier Description		
U	Indicates the analyte was analyzed for but not detected.		8
Glossary			С
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		4
DL	Detection Limit (DoD/DOE)		
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample		
DLC	Decision Level Concentration (Radiochemistry)		
EDL	Estimated Detection Limit (Dioxin)		
LOD	Limit of Detection (DoD/DOE)		
LOQ	Limit of Quantitation (DoD/DOE)		
MCL	EPA recommended "Maximum Contaminant Level"		
MDA	Minimum Detectable Activity (Radiochemistry)		
MDC	Minimum Detectable Concentration (Radiochemistry) Method Detection Limit		
MDL ML	Minimum Level (Dioxin)		

Released to Imaging: 5/15/2023 11:41:46 AM

Most Probable Number

Not Calculated

Negative / Absent

Positive / Present Practical Quantitation Limit

Presumptive

Quality Control

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin) Toxicity Equivalent Quotient (Dioxin)

Too Numerous To Count

Reporting Limit or Requested Limit (Radiochemistry)

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

Method Quantitation Limit

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

MPN

MQL

NC

ND NEG

POS

PQL PRES

QC

RER RL

RPD TEF

TEQ TNTC

4

5

Job ID: 880-25621-1 SDG: Lea County, NM

Job ID: 880-25621-1

Client: Ensolum

Laboratory: Eurofins Midland

Project/Site: Conoco Phillips/COG

Narrative

Job Narrative 880-25621-1

Receipt

The sample was received on 3/8/2023 10:03 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.0°C

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: SS04A (880-25621-1).

GC VOA

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-48166 and analytical batch 880-48177 was outside the upper control limits.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-48301 and analytical batch 880-48400 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.The associated samples are: SS04A (880-25621-1), (890-4249-A-61-H), (890-4249-A-61-I MS) and (890-4249-A-61-J MSD).

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

RL

0.00198

0.00198

0.00198

0.00396

0.00198

0.00396

Limits

70 - 130 70 - 130

Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

Unit

mg/Kg

D

D

Prepared

03/16/23 09:16

03/16/23 09:16

03/16/23 09:16

03/16/23 09:16

03/16/23 09:16

03/16/23 09:16

Prepared

03/16/23 09:16

03/16/23 09:16

Prepared

Job ID: 880-25621-1 SDG: Lea County, NM

Client Sample ID: SS04A

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

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

Result Qualifier

Qualifier

<0.00198 U

<0.00198 U

<0.00198 U

<0.00396 U

<0.00198 U

<0.00396 U

114

89

<0.00396 U

Result Qualifier

%Recovery

Project/Site: Conoco Phillips/COG

Date Collected: 03/06/23 12:21 Date Received: 03/08/23 10:03

Sample Depth: 0.5

Client: Ensolum

Analyte

Benzene

Toluene

o-Xylene

Surrogate

Analyte

Total BTEX

Ethylbenzene

Xylenes, Total

m-Xylene & p-Xylene

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

Lab Sample ID: 880-25621-1

Matrix: Sol	lid	
		5
Analyzed Dil F	ac	
03/17/23 12:19	1	
03/17/23 12:19	1	
03/17/23 12:19	1	
03/17/23 12:19	1	
03/17/23 12:19	1	8
03/17/23 12:19	1	
		Q
Analyzed Dil F	ac	
03/17/23 12:19	1	
03/17/23 12:19	1	
Analyzed Dil F	ac	
03/19/23 17:28	1	
Analyzed Dil F	ac	13

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			03/10/23 17:58	1
Method: SW846 8015B NM - Diese	el Range Orga	nics (DRO) (G	SC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

RL

0.00396

 Method: EPA 300.0 - Anions, Ion Chromatography - Soluble	lyzed Dil Fa
o-Terphenyl 116 70 - 130 03/08/23 17:08 03/09/2 	
	23 18:27
1-Chlorooctane 115 70 - 130 03/08/23 17:08 03/09/2	23 18:27
Surrogate %Recovery Qualifier Limits Prepared Anal	lyzed Dil Fa
Total TPH <49.9 U 49.9 mg/Kg 03/08/23 17:08 03/09/2	23 18:27
	23 18:27
Diesel Range Organics (Over <49.9 49.9 mg/Kg 03/08/23 17:08 03/09/2 C10-C28) C10-C28 C10-C28<	23 18:27
(GRO)-C6-C10	23 10.27

Eurofins Midland

Surrogate Summary

Client: Ensolum Project/Site: Conoco Phillips/COG Job ID: 880-25621-1 SDG: Lea County, NM

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

latrix: Solid				Prep Type: Total/NA	
-				Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1		
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		
880-25621-1	SS04A	114	89		
Surrogate Legend					
BFB = 4-Bromofluor	obenzene (Surr)				
DFBZ = 1,4-Difluoro	benzene (Surr)				
ethod: 8015B N	IM - Diesel Range Organ	ics (DRO) (GC)		
atrix: Solid			-	Prep Type: Total/NA	

				Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1		
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		
880-25621-1	SS04A	115	116		
LCS 880-48166/2-A	Lab Control Sample	108	102		
LCSD 880-48166/3-A	Lab Control Sample Dup	102	97		
MB 880-48166/1-A	Method Blank	143 S1+	147 S1+		
Surrogate Legend					13
100 1 011 1					

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Eurofins Midland

QC Sample Results

Client: Ensolum Project/Site: Conoco Phillips/COG

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

Lab Sample ID: MB 880-48166	/1 -A								Client Sa	mple ID: Metl	nod I	Blank
Matrix: Solid										Prep Type	: Tot	al/NA
Analysis Batch: 48177										Prep Bat	ch: 4	48166
	МВ	MB										
Analyte	Result	Qualifier	RL		Unit		D	Pr	repared	Analyzed		Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		_	03/08	8/23 17:08	03/09/23 08:37	,	1
(GRO)-C6-C10												
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg			03/08	8/23 17:08	03/09/23 08:37		1
C10-C28)	.50.0		50.0					00/0/	0/00 47 00	00/00/00 00 07		
Oll Range Organics (Over C28-C36)	<50.0		50.0		mg/Kg				8/23 17:08	03/09/23 08:37		1
Total TPH	<50.0	U	50.0		mg/Kg			03/08	8/23 17:08	03/09/23 08:37		1
	МВ	МВ										
Surrogate	%Recovery	Qualifier	Limits					Pi	repared	Analyzed		Dil Fac
1-Chlorooctane			70 - 130						8/23 17:08	03/09/23 08:37		1
o-Terphenyl	147	S1+	70 - 130					03/08	8/23 17:08	03/09/23 08:37		1
Lab Sample ID: LCS 880-4816	6/2-A						С	lient	Sample	ID: Lab Contro	ol Sa	ample
Matrix: Solid										Prep Type	: Tot	al/NA
Analysis Batch: 48177										Prep Bat		
-			Spike	LCS	LCS					• %Rec		
Analyte			Added	Result	Qualifier	Unit		D	%Rec	Limits		
Gasoline Range Organics			1000	943.7		mg/Kg			94	70 - 130		
(GRO)-C6-C10						0 0						
Diesel Range Organics (Over			1000	1105		mg/Kg			110	70 - 130		
C10-C28)												
	LCS LCS	6										
Surrogate		alifier	Limits									
1-Chlorooctane	108		70 - 130									
o-Terphenyl	102		70 - 130									
Lab Sample ID: LCSD 880-481	66/3-A					Cli	ient	Sam	ple ID: L	ab Control Sa	mple	e Dup
Matrix: Solid										Prep Type		
Analysis Batch: 48177										Prep Bat		
-			Spike	LCSD	LCSD					%Rec		RPD
Analyte			Added	Result	Qualifier	Unit		D	%Rec	Limits R	PD	Limit
Gasoline Range Organics			1000	997.4		mg/Kg			100	70 - 130	6	20
(GRO)-C6-C10						0 0						
Diesel Range Organics (Over			1000	1050		mg/Kg			105	70 - 130	5	20
C10-C28)												
	LCSD LCS	SD										
Surrogate	%Recovery Qua		Limits									
1-Chlorooctane	102		70 - 130									
o-Terphenyl	97		70 - 130									
	-											
Method: 300.0 - Anions, Io	n Chromatogi	aphy										
Lab Sample ID: MB 880-48301	/1 -A								Client Sa	mple ID: Met		
Matrix: Solid										Prep Type	e: Sc	oluble
Analysis Batch: 48400												
	MB	MB										
Analyte	Result	Qualifier	RL		Unit		D	Pr	repared	Analyzed		Dil Fac

5

03/12/23 03:26

Chloride

5.00

mg/Kg

<5.00 U

1

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Job ID: 880-25621-1

SDG: Lea County, NM

QC Sample Results

Client: Ensolum Project/Site: Conoco Phillips/COG Job ID: 880-25621-1 SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-48301/2-A Matrix: Solid					Client	t Sample	ID: Lab Co Prep	ontrol S Type: S	
Analysis Batch: 48400	Spike	LCS	LCS				%Rec		
Analyte	Added		Qualifier	Unit	D	%Rec	Limits		
Chloride	250	270.8		mg/Kg		108	90 - 110		
- Lab Sample ID: LCSD 880-48301/3-A				Clier	nt San	nple ID:	Lab Contro	l Sampl	e Dup
Matrix: Solid								Type: S	
Analysis Batch: 48400									
-	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	271.6		mg/Kg		109	90 - 110	0	20

Eurofins Midland

Project/Site: Conoco Phillips/COG

Job ID: 880-25621-1 SDG: Lea County, NM

GC VOA

Client: Ensolum

Analysis Batch: 48641

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-25621-1	SS04A	Total/NA	Solid	8021B	48716
rep Batch: 48716					
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-25621-1	SS04A	Total/NA	Solid	5035	
nalysis Batch: 4893	8				
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-25621-1	SS04A	Total/NA	Solid	Total BTEX	
GC Semi VOA Prep Batch: 48166					
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-25621-1	SS04A	Total/NA	Solid	8015NM Prep	
MB 880-48166/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-48166/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-48166/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
nalysis Batch: 4817	7				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch

GC Semi VOA

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25621-1	SS04A	Total/NA	Solid	8015NM Prep	
MB 880-48166/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-48166/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-48166/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
Analysis Batch: 48177					
A <mark>nalysis Batch: 48177</mark> - Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
-		Prep Type Total/NA	Matrix Solid	Method 8015B NM	Prep Batch 48166
Lab Sample ID	Client Sample ID				
Lab Sample ID 880-25621-1	Client Sample ID SS04A	Total/NA	Solid	8015B NM	48166

Analysis Batch: 48374

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-25621-1	SS04A	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 48301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method Prep Batch
880-25621-1	SS04A	Soluble	Solid	DI Leach
MB 880-48301/1-A	Method Blank	Soluble	Solid	DI Leach
LCS 880-48301/2-A	Lab Control Sample	Soluble	Solid	DI Leach
LCSD 880-48301/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach

Analysis Batch: 48400

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25621-1	SS04A	Soluble	Solid	300.0	48301
MB 880-48301/1-A	Method Blank	Soluble	Solid	300.0	48301
LCS 880-48301/2-A	Lab Control Sample	Soluble	Solid	300.0	48301
LCSD 880-48301/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	48301

Job ID: 880-25621-1 SDG: Lea County, NM

Matrix: Solid

Lab Sample ID: 880-25621-1

Project/Site: Conoco Phillips/COG Client Sample ID: SS04A

Client: Ensolum

Date Collected: 03/06/23 12:21 Date Received: 03/08/23 10:03

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			48716	MNR	EET MID	03/16/23 09:16
Total/NA	Analysis	8021B		1	48641	MNR	EET MID	03/17/23 12:19
Total/NA	Analysis	Total BTEX		1	48938	AJ	EET MID	03/19/23 17:28
Fotal/NA	Analysis	8015 NM		1	48374	SM	EET MID	03/10/23 17:58
Total/NA	Prep	8015NM Prep			48166	AJ	EET MID	03/08/23 17:08
Total/NA	Analysis	8015B NM		1	48177	SM	EET MID	03/09/23 18:27
Soluble	Leach	DI Leach			48301	KS	EET MID	03/10/23 10:23
Soluble	Analysis	300.0		1	48400	SMC	EET MID	03/12/23 04:38

Laboratory References:

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

Eurofins Midland

Released to Imaging: 5/15/2023 11:41:46 AM

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roject/Site: Conoco Pl				SDG: Lea County, NM	
aboratory: Eurofi					
iless otherwise noted, all a	analytes for this laboratory we	re covered under each acc	reditation/certification below.		
Authority		ogram	Identification Number	Expiration Date	
ēxas	NE	LAP	T104704400-22-25	06-30-23	I
The following analytes	are included in this report, bu	t the laboratory is not certif	ied by the governing authority. This list ma	av include analytes for which	
the agency does not off		2		, ,	
Analysis Method	Prep Method	Matrix	Analyte		
8015 NM		Solid	Total TPH		
8015B NM	8015NM Prep	Solid	Total TPH		
Total BTEX		Solid	Total BTEX		

Eurofins Midland

.

Project/Site: Conoco Phillips/COG

Client: Ensolum

Job ID: 880-25621-1 SDG: Lea County, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID
Protocol Refe	rences:		
ASTM = A	STM International		
EPA = US	Environmental Protection Agency		
SW846 = '	Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third I	Edition November 1986 And Its Undates	

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

Released to Imaging: 5/15/2023 11:41:46 AM
Sample Summary

Client: Ensolum Project/Site: Conoco Phillips/COG Job ID: 880-25621-1 SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth	
880-25621-1	SS04A	Solid	03/06/23 12:21	03/08/23 10:03	0.5	4
						5
						8
						9
						12
						13

0	Bally Grown U 4	Relinquished by (Signature) Received by (Signature)	or service. Eurofins Xenco will be liable only for the cost of samples constructes a valual purchase order from client company to Eurofins Xenco, its affiliates and subcon of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such 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. The	Circle Method(s) and Metal(s) to be analyzed TCLP /	H8							SS04A SL 3/6/2023 12.21	Sample identification Matrix Date Time Sampled Sampled	Iotal Containers.	Seals. Yes No WIA	No	tet: (Yes) No Thermometer I	SAMPLE RECEIPT Temp Blank. Yes (No) Wet loe	03D2024061	Hadlie Green	Lea County NM	er 03D2024061 🛛 🖾 Rout	Project Name Corvo Federal 4 CTB (COP) Ti	Phone 432-557-8895 Email	City, State ZIP Midland, TX 79701	Address. 601 N Marienfeld Street, Suite 400	Company Name Ensolum, LLC	Project Manager Hadlie Green	Leveronment Testing Xenco
		hature)	purchase order from client sume any responsibility for a charge of \$5 for each sampl	TCLP / SPLP 6010 BRCRA	13PPM Texas 11 A				7	2		0 5 Grab/ 1	Depth Grab/ # of Comp Cont		1.3	1,30 Pi	TRO	No No	the lab if received by 4 30pm	the day received by	5 DAY	Rush Pres.	Turn Around	ail Hgreen@ensolum.com	City, State ZIP	Address.	Company Name	Bill to (if different)	Houston Midiand TX EL Paso Hobbs NN
	1003	Date/Time	company to Eurofins Xen. any losses or expenses in e submitted to Eurofins Xe	A Sb As Ba Be (A Sb As Ba Be B							×	글 역 TPH 80 Chloric BTEX 8	le 30)0				-	<u></u>		, o		.com			Ensolum, LLC	Hadlie Green	Houston TX (281) 240-4200 Dallas TX (214) 902-0300 Jidland TX (432) 704-5440 San Antonio TX (210) 509-333 EL Paso TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs NM (575) 392-7550 Carlsbad NM (575) 988-3199
Ø	4	Relinquished by (Signature)	co, its affiliates and subcontractors. curred by the client if such losses ar enco, but not analyzed. These terms	Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag	Cd Ca Cr Co Cu Fe																		ANAI VOIC DE						Houston TX (281) 240-4200 Dallas TX (214) 902-0300 Midland TX (432) 704-5440 San Antonio TX (210) 509-3334 EL Paso TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs NM (575) 392-7550 Carlsbad NM (575) 988-3199
		ture) Received by (Signature)	tractors. It assigns standard terms and conditions losses are due to circumstances beyond the control see terms will be enforced unless previously negotiated.	TIU Hg	Pb Mg Mn Mo Ni K Se Ag SiO2 N			880-25621																Deliverables EDD ADaPT	Reporting Level II Level III PST/UST	State of Project: NM	Program: UST/PST PRP Brownfields	Work Order Comments	Work Order No:
Revised Date: 08/25/2020 Rev 2020.2		re) Date/Time		5 1 / 7470 / 7471	Na Sr TI Sn U V Zn	C)	Chain of Custody			1 - 4 oz jar		Sample Comments	NaOH+Ascorbic Acid SAPC	Zn Acetate+NaOH Zn	Na ₂ S ₂ O ₃ NaSO ₃	NaHSO4 NABIS	u	H-SO, H- NaOH Na	<u>u</u>		eserva					nfields IRC Buperfund		Pare 1 of 1

3/19/2023

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Job Number: 880-25621-1 SDG Number: Lea County, NM

List Source: Eurofins Midland

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 25621 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").

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APPENDIX C

Final C-141

District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 PageHd3eof 123

Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

)

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

T atituda	
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		

The source of the release has been stopped.

Page	2
1 age	-

Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible party consider this a major release?
Yes No	
If YES, was immediate no	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

All free liquids and recoverable materials have been removed and managed appropriately. If all the actions described above have <u>not</u> been undertaken, explain why:

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

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

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: _ Battane Jopanger	Date:
email:	Telephone:
OCD Only	
Received by: Jocelyn Harimon	Date: 07/05/2022

	0								
Received by OCD:	4/12/2023 2:0	08:32 PM		L48 Spill Volume	e Estimate Form			NAPP221743	0297e115cof 123
Facility Name & Number: Co			CARL COLOR OF CONTRACT CONTRACT OF CARLS						
		Asset Area:	NDBE						
2	F	Release Discovery Date & Time:	6/10/2022 9:40						
		Release Type:	Oil Mixture						
5	Provide any	known details about the event:	FLARE FIRER OIL	CAME OUT OF FLARE					
				Spill Calculation - Subs	urface Spill - Rectangle				
5	Was the release on pad or off-pad? See reference table below								
Has it rained at least a half inch in the last 24 hours?			2		See reference tabl	e below			
Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Depth (in.)	Soil Spilled-Fluid Saturation	Estimated volume of each area (bbl.)	Total Estimated Volume of Spill (bbl.)	Percentage of Oil if Spilled Fluid is a Mixture	Total Estimated Volume of Spilled Oil (bbl.)	Total Estimated Volume of Spilled Liquid other than Oil (bbl.)
Rectangle A	30.0	25.0	0.05	10.50%	0.556	0.058	5.00%	0.003	0.055
Rectangle B					0.000	0.000		0.000	0.000
Rectangle C			3		0.000	0.000		0.000	0.000
Rectangle D					0.000	0.000		0.000	0.000
Rectangle E			3		#VALUE!	#VALUE!		#VALUE!	#VALUE!
Rectangle F			3		0.000	0.000		0.000	0.000
Rectangle G			3		0.000	0.000		0.000	0.000
Rectangle H			÷		0.000	0.000		0.000	0.000
Rectangle I					0.000	0.000		0.000	0.000
Released to Imagin	ng: 5/15/2023	11:41:46 AM			0.000	0.000		0.000	0.000 .
					Total Volume Release:	0.922		0.088	0.834

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	122657
	Action Type:
	[C-141] Release Corrective Action (C-141)
CONDITIONS	

CONDITIONS Created By Condition

jharimon None CONDITIONS

Action 122657

Condition Date 7/5/2022

Released to Imaging: 3/15/2023 1364T:46/AM

Received by OCD: 4/12/2023 2:08:32 PM Form C-141 State of New Mexico

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Oil Conservation Division

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Incident ID	NAPP2217430297
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	>100 feet bgs
Did this release impact groundwater or surface water?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🗶 No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🛛 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	🗌 Yes 🛛 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🛛 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a wetland?	🗌 Yes 🕅 No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🛛 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🛛 No
Did the release impact areas not on an exploration, development, production, or storage site?	🗌 Yes 🔀 No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and 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
- 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.

Received by OCD: 4/12/2	2023 2:08:32 PM State of New Mexico			Page 118 of 123
Form C-141			Incident ID	NAPP2217430297
Page 4	Oil Conservation Division		District RP	
			Facility ID	
			Application ID	
regulations all operators a public health or the enviro failed to adequately invest addition, OCD acceptance and/or regulations. Printed Name: Signature:Jacob.Lair	formation given above is true and complete to the re required to report and/or file certain release no onment. The acceptance of a C-141 report by the igate and remediate contamination that pose a the of a C-141 report does not relieve the operator of Jacob Laird	tifications and per OCD does not rel reat to groundwate of responsibility fo Title: Date:	form corrective actions for rele ieve the operator of liability sh er, surface water, human health	eases which may endanger ould their operations have or the environment. In deral, state, or local laws
OCD Only Received by: Joce	lyn Harimon	Date:	04/12/2023	

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Oil Conservation Division

	Page 119 of 12.
Incident ID	NAPP2217430297
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.

<u>Closure Report Attachment Checklist</u> : Each of the following items must be included in the	e 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 applimust be notified 2 days prior to liner inspection)	cable (Note: appropriate OCD District office
Laboratory analyses of final sampling (Note: appropriate ODC District office must be noti	fied 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 knowled and regulations all operators are required to report and/or file certain release notifications and per may endanger public health or the environment. The acceptance of a C-141 report by the OCD of should their operations have failed to adequately investigate and remediate contamination that p human health or the environment. In addition, OCD acceptance of a C-141 report does not relie compliance with any other federal, state, or local laws and/or regulations. The responsible party restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and response to the tender of ten	rform corrective actions for releases which does not relieve the operator of liability ose a threat to groundwater, surface water, ve the operator of responsibility for acknowledges they must substantially the release or their final land use in -vegetation are complete.
email:Jacob.Laird@conocophillips.com Telephone:575-703-5482	
OCD Only	
Received by: <u>Jocelyn Harimon</u> Date: <u>04/12/202</u>	23
Closure approval by the OCD does not relieve the responsible party of liability should their operaremediate contamination that poses a threat to groundwater, surface water, human health, or the enparty of compliance with any other federal, state, or local laws and/or regulations.	
Closure Approved by: Date:	23
	nental Specialist A



APPENDIX D

NMOCD Notifications

Released to Imaging: 5/15/2023 11:41:46 AM

From:	Enviro, OCD, EMNRD
To:	Hadlie Green
Cc:	Bratcher, Michael, EMNRD; Nobui, Jennifer, EMNRD
Subject:	RE: [EXTERNAL] ConocoPhillips Company - Sampling Notification (Week of 02/27/2023)
Date:	Friday, February 24, 2023 2:45:13 PM
Attachments:	image006.png image007.png image008.png image009.png

[**EXTERNAL EMAIL**]

Hadie,

Please be aware that notification requirements are **two business days**, per rule. You may proceed on your schedule. This, and all correspondence, should be included in the closure report to insure inclusion in the project file.

JΗ

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



From: Hadlie Green <hgreen@ensolum.com>
Sent: Friday, February 24, 2023 11:39 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Subject: [EXTERNAL] ConocoPhillips Company - Sampling Notification (Week of 02/27/2023)

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

All,

ConocoPhillips Company (COP) plans to complete sampling activities at the following site the week of February 27, 2023.

- Vast State 002H / NAPP2231148750
- Corvo Federal 4 CTB / NAPP2217430297

Thank you,



Hadlie Green Staff Geologist 432-557-8895 hgreen@ensolum.com Ensolum, LLC in f

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

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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	206922
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By		Condition Date
jnobui	Closure Approved.	5/15/2023

Action 206922

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