Closure Narrative NW LYBROOK 131H Release 8.25.2024 Incident Number nAPP2424159147 36.2787552/-107.6411819 30-045-35507 Unit M 25 24N 8W San Juan County, NM

8.25.2024

- A water tank was found to be leaking and approximately 132 bbls of produced water were released into the lined containment area.
- A small hole near the bottom of the tank.
- The tank was taken out of service when release was found and contents transferred to another tank. Repairs pending.
- A notification email was sent to the agencies (BLM/NMOCD) 8.28.2024 @ 2:36 pm.
- Hydro Vac truck arrived on location and began extraction of released fluid on liner, inside tank containment.
- Discovered that the liner had tears near the release area and wet. For precautionary measures the decision was made to take samples under the damaged liner to determine if it was rainwater or impacted soil.
- 9.13.2024
 - Samples taken

10.7.2024

• Additional samples taken

11.4.2024

• Additional samples taken

Liner repairs are pending due to recent weather causing liner to be wet.

VBROOK 2408 25M #237H NW LYBROOK UNIT #131H* NW LYBROOK UNIT #289H

8 mg

1000













E N S O L U M

November 13, 2024

District III New Mexico Oil Conservation Division 1000 Rio Brazos Road Aztec, New Mexico 87410

Re: Deferral Request NE Lybrook Unit 131H API Number 30-045-35507 Incident Number nAPP2424159147 San Juan County, New Mexico

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of Enduring Resources (Enduring), has prepared this *Deferral Request* to document site assessment and remediation activities conducted to address a release of produced water at the Northeast Lybrook Unit 131H Crude Oil Production Facility (Site). Following a release of fluids into secondary containment, Enduring responded by safely removing and recovering released liquids using a vacuum truck. 132 barrels of released produced water were recovered. Following fluid recovery, site assessment activities were conducted in areas surrounding the containment and underneath the liner at the facility to evaluate site conditions. Based on the results of these activities, Enduring is submitting this *Deferral Request*, describing the release response and requesting deferral of final remediation for the above referenced incident number until major Site reconstruction and/or the well pad is abandoned.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit M, Section 25, Township 24 North, Range 8 West, in San Juan County, New Mexico (36.278741° N, -107.641164° W) and is associated with oil and gas exploration and production operations on federal land (Figure 1).

On August 25, 2024, a leak was found from a small hole near the bottom of a water tank. Tank corrosion occurred allowing the fluid to release to the lined containment. The Site features are shown in Figure 2. Approximately 132 barrels of produced water were released into the lined containment, which was later recovered via vacuum trucks. The tank was taken out of service pending repair. Following removal of released fluids, site assessment activities were conducted to evaluate potential impact resulting from the released fluids.

Enduring reported the release to the Bureau of Land Management (BLM) and New Mexico Oil Conservation District (NMOCD) via email on August 28, 2024. A report of Undesirable Event was submitted to the United States Department of the Interior, BLM New Mexico Farmington Field Office on August 28, 2024. A Notification of Release Application was submitted to the NMOCD on August 28, 2024. The NMOCD approved the C-141 Application on September 9, 2024.

NE Lybrook Unit 131H

SITE CHARACTERIZATION AND CLOSURE CRITERIA

Ensolum has applied Table 1, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC) as the soil cleanup standards. Potential site receptors are identified on Figure 1.

Depth to groundwater at the Site is estimated to be between 0 and 50 feet below ground surface (bgs) based on the topographic setting. The nearest groundwater well is New Mexico Office of the State Engineer (NMOSE) well SJ-00960-S, located approximately 3,815 feet south of the Site. The water well was drilled to a depth of 250 feet below ground surface and used for road construction, however there is no recorded depth to water. The nearest well with data avilable is the NMOSE well SJ-01334. The well is 7,735 feet from the site to the Southeast. Elevation at the water well is approximately 6,947 feet above mean sea level, while elevation at the Site is 6,846 (101 feet lower than the water well). The depth to water measured in the water well was 40 feet below ground surface. Groundwater is therefore estimated to be between 0 and 50 feet bgs at the Site. All features used for depth to water determination are depicted on Figure 1, and the referenced well record is included in Attachment 1.

The closest continuously flowing or significant watercourse to the Site is an arroyo, approximately 566 feet southwest of the Site, draining to Kimbeto Wash. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

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

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH) gasoline range organics (GRO) and diesel range organics (DRO) and motor oil range organics (MRO): 100 mg/kg
- Chloride: 600 mg/kg

DELINEATION ACTIVITIES

On September 13, 2024, soil samples were collected to evaluate the lateral and vertical release extent. Boreholes BH01 through BH09 were advanced to a depth of 4 feet bgs via hand auger within tank containment and also outside of the tank containment as shown on Figure 2. Discrete delineation soil samples were collected from each borehole at depths of 1-foot bgs and at the terminus of each boring (4 feet bgs). Soil samples were field screened for volatile organic compounds (VOCs) and chloride utilizing a calibrated photoionization detector (PID) and Hach[®] chloride QuanTab[®] test strips, respectively. The soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation was completed during the site assessment and a photographic log is included in Attachment 2.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported at or below 4 degrees Celsius (°C) under strict chain-of-custody (COC) procedures to Eurofins Environment Testing in Alburquerque, New Mexico, for analysis of BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range

NE Lybrook Unit 131H

organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0. Laboratory analytical reports are included in Attachment 3.

On October 7, 2024, additional boreholes were installed and sampled per the above protocol in locations BH10, BH11, and BH12 (Figures 2). On November 4, 2024, an additional sample was collected from borehole location BH03 at a depth of 6 feet bgs to further advance the sample location depth and fully delineate the site impact.

Laboratory analytical results for all soil samples BH01 through BH12 indicated that all contaminants of concern concentrations were in compliance with the Closure Criteria, with the exception of shallow chloride impact in location BH03 and some minor TPH detections at a shallow location in sample location BH12. The impact identified at this active site is limited to two locations inside an active containment, with concentrations very near the closure standard. Data have fully delineated these impacts both laterally and vertically, as presented in this report.

DEFERRAL REQUEST

Enduring is requesting deferral of final remediation of soil represented by sample BH03 and BH12 due to the presence of active production equipment and infrastructure preventing full excavation of impacted soil at the edge of the containment. Enduring safety policy restricts soil disturbing activities within a 2-foot radius of any on-site, active production equipment. The deferral area is vertically defined to within the top 4 feet of surface cover. The deferral area is limited to locations directly surrounding the BH3 and BH12 location. Based on the data collected a deferred volume is estimated at approximately 5 yards of impacted soil total from the 2 locations BH3 and BH12 areas. The impacted area is limited to the upper four feet of surface cover, in a circular distribution with radius of 2 feet or less.

Ensolum and Enduring do not believe deferment will result in imminent risk to human health, the environment, or groundwater. Based on the limited evidence of impacted soil, presence of active production equipment and pipelines, and the complete lateral and vertical definition of impacted soil remaining in place, Enduring requests deferral of final remediation for Facility Number nAPP2424159147 until final reclamation of the well pad or major construction, whichever comes first.

If you have any questions or comments, please contact Mr. Steve Kahn at (303) 913-1350 (skahn@ensolum.com) or Mr. Danny Burns at (303) 601-1420 (dburns@ensolum.com).

Sincerely, Ensolum, LLC

Danny Burns Senior Geologist

Steve Kahn, MS, PE Senior Managing Engineer

cc: Bureau of Land Management

Attachments:

Figure 1	Site Receptor Map
Figure 2	Delineation Sample Locations

Table 1Soil Sample Analytical Results

NE Lybrook Unit 131H



Attachment 1 Referenced Well RecordsAttachment 2 Photographic LogAttachment 3 Laboratory Analytical Reports and Chain of Custody Documentation



FIGURES

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Received by OCD: 11/22/2024 10:27:28 AM

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Delineation Sample Locations

NW Lybrook Unit 131H Enduring Resources, LLC 36.2787552,-107.6411819

36.2787552,-107.6411819 San Juan County, New Mexico FIGURE

2

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TABLE

					Enduri	TABLE 1 E ANALYTICA .ybrook Unit 13 ng Resources, n County, New	1H LLC					
Sample Identification	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Closure	Criteria for Soils Release	Impacted by a	10	NE	NE	NE	50	NE	NE	NE	100	600
BH01@1'	9/13/2024	1	<0.025 F2 F1	<0.050 F2 F1	<0.050 F2 F1	<0.099 F2 F1	<0.099 F2 F1	<5.0	<9.7	<48	<48	<60
BH01@4'	9/13/2024	4	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.3	<46	<46	150
BH02@1'	9/13/2024	1	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.9	<50	<50	<60
BH02@4'	9/13/2024	4	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.4	<47	<47	<60
BH03@1'	9/13/2024	1	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.3	<47	<47	860
BH03@4'	9/13/2024	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.9	<49	<49	670
BH03@6'	11/4/2024	6	<0.018	<0.036	<0.036	<0.073	<0.073	<0.073	<9.7	<48	<48	300
BH04@1'	9/13/2024	1	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.9	<49	<49	<60
BH04@4'	9/13/2024	4	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.4	<47	<47	<60
BH05@1'	9/13/2024	1	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.0	<45	<45	<60
BH05@4'	9/13/2024	4	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.8	<49	<49	<60
BH06@1'	9/13/2024	1	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.5	<48	<48	180
BH06@4'	9/13/2024	4	<0.023	<0.046	<0.046	<0.093	<0.093	<4.6	<9.9	<50	<50	370
BH07@1'	9/13/2024	1	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<9.2	<46	<46	<60
BH07@4'	9/13/2024	4	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.6	<48	<48	<60
BH08@1'	9/13/2024	1	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.3	<47	<47	<60
BH08@4'	9/13/2024	4	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<10	<50	<50	<60
BH09@1'	9/13/2024	1	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	<9.8	<49	<49	<60
BH09@4'	9/13/2024	4	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	<9.8	<49	<49	73
BH10@1'	10/7/2024	1	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<8.8	<44	<44	<60
BH10@4'	10/7/2024	4	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.9	<50	<50	<60
BH11@1'	10/7/2024	1	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<9.5	<47	<47	<60
BH11@4'	10/7/2024	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	9.9	<48	9.9	<60
BH12@1'	10/7/2024	1	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	200	160	360	110
BH12@4'	10/7/2024	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	34	<46	34	<60

Notes:

bgs: Below ground surface

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

mg/kg: Milligrams per kilogram

NE: Not Established

NMOCD: New Mexico Oil Conservation Division

--: Not Analyzed

GRO: Gasoline Range Organics DRO: Diesel Range Organics MRO: Motor Oil/Lube Oil Range Organics TPH: Total Petroleum Hydrocarbon ': Feet

< : Indicates result less than the stated laboratory reporting limit (RL)

ENSOLUM

Concentrations in **bold** and shaded exceed the New Mexico Oil Conservation Division Table I Closure Criteria for Soils Impacted by a Release

•



ATTACHMENT 1

Referenced Well Records

NMWRRS

				Poi	nt of I	Dive	ersic	on S	umma	ry	
			-	are 1=NW 2=NB ers are smallest					NAD83 UTM	in meters	
Well T	ag POI) Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Мар
	SI 0	1131		NW	SE	19	24N	07W	265313.0	4020131.0 *	•
* UTM lo	ocation was	derived	from PLSS	- see Help							
Driller	License:	86	2	Driller Co	mpany:	WES	tern d	RILLING	CO.		
Driller	Name:										
Drill S	tart Date	: 19	80-04-22	Drill Finisl	h Date:	1980)-04-30		Plug	Date:	
Log Fi	le Date:	19	80-06-16	PCW Rcv	Date:				Sour	·ce:	Shallow
Pump	Туре:			Pipe Disch	narge Size:				Estin	nated Yield:	30
Casing	g Size:	7.0	0	Depth We	II:	1700)		Dept	th Water:	400
Nater	Bearing	Stra	tificatior	าร:							
Тор	Bottom	De	scription								
1200	1340	Sar	ndstone/G	ravel/Conglo	merate						
Casin	g Perf	orati	ons:								
Тор	Bottom										
1100	1400	_									

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

10/1/24 9:22 AM MST

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NMWRRS

			q		re 1=NW 2=NE rs are smallest t					NAD83 UTM	l in meters		
Well	Tag P	OD N	br C	264	Q16	Q4	Sec	Tws	Rng	X	Y	Мар	
	S.	J 0133	4			NE	01	23N	08W	263823.0	4015987.0 *	•	
* UTM	location w	vas deriv	ved fror	n PLSS -	see Help								
Drille	er Licens	e:	777		Driller Con	npany:	JOHI	NNY'S L	UCKY 7	DRILLING			
Drille	er Name:		JOHNN	NIE'S LU	JCKY "7" DRI	.G.							
Drill	Start Da	te:	1981-0)2-08	Drill Finish	Date:	1981	-02-13			Plug Date:		
Log l	File Date	•	1981-0)2-19	PCW Rcv E	Date:					Source:	Sha	llow
Pum	р Туре:				Pipe Disch	arge Size:					Estimated Yield	: 3	
Casir	ng Size:		5.00		Depth Wel	I:	90				Depth Water:	40	
Vate	r Bearir	ng St	ratific	cation	IS:								
Тор	Bottor	n D	escrip	tion									
55	60	S	hale/N	ludstor	ne/Siltstone	-							
Casii	ng Per	fora	ntion	IS:									
Тор	Bottor	n											

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ATTACHMENT 2

Photographic Log

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NW Lybrook 131H SAMPLING

Project: NW Lybrook 131H SAMPLING Company: Ensolum Report date: 10.17.2024 11:51





Date & time: 10.07.2024 11:57 Notes: BH10, still wet down to 4 feet Coordinates: 36.2788, -107.6403 Direction: NE (41°)

Date & time: 10.07.2024 11:59 Notes: Saturated under liner between BH10 and BH11 Coordinates: 36.27883, -107.64028 Direction: S (186°)

NW Lybrook 131H SAMPLING

Project: NW Lybrook 131H SAMPLING Company: Ensolum Report date: 10.17.2024 11:51





Date & time: 10.07.2024 12:09 Notes: BH11 Coordinates: 36.27889, -107.6403 Direction: N (16°)

Date & time: 10.07.2024 12:13 Notes: BH12 Coordinates: 36.27898, -107.64021 Direction: NE (29°)



ATTACHMENT 3

Laboratory Analytical Reports and Chain of Custody Documentation

Received by OCD: 11/22/2024 10:27:28 AM



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Danny Burns **Ensolum LLC** 776 E 2nd Avenue Durango, Colorado 81301 Generated 9/30/2024 3:49:16 PM

JOB DESCRIPTION

NWLU 131H

JOB NUMBER

885-11840-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109

See page two for job notes and contact information.



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

(505)345-3975

Authorized for release by Catherine Upton, Project Manager Catherine.upton@et.eurofinsus.com Generated 9/30/2024 3:49:16 PM

Laboratory Job ID: 885-11840-1

Table of Contents

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Contains No Free Liquid

Detection Limit (DoD/DOE)

Estimated Detection Limit (Dioxin)

Limit of Detection (DoD/DOE)

Method Detection Limit

Minimum Level (Dioxin)

Most Probable Number

Not Calculated

Negative / Absent

Positive / Present

Presumptive

Quality Control

Method Quantitation Limit

Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

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

Limit of Quantitation (DoD/DOE)

Dilution Factor

Duplicate Error Ratio (normalized absolute difference)

Decision Level Concentration (Radiochemistry)

EPA recommended "Maximum Contaminant Level"

Minimum Detectable Concentration (Radiochemistry)

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

Minimum Detectable Activity (Radiochemistry)

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

CNF

DER

DL

DLC EDL

LOD

LOQ

MCI MDA

MDC

MDL

MPN

MQL

NC

ND

NEG

POS

PQL

PRES

QC

RER

RPD

TEF

TEQ

TNTC

RL

ML

Dil Fac

DL, RA, RE, IN

Client: Ensolu	Im LLC Job ID: 885-11840-1	
Project/Site: N	NWLU 131H	
Qualifiers		3
GC VOA		
Qualifier	Qualifier Description	
F1	MS and/or MSD recovery exceeds control limits.	
F2	MS/MSD RPD exceeds control limits	5
Glossary		6
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	0
CFU	Colony Forming Unit	Ο

Eurofins Albuquerque

Case Narrative

Client: Ensolum LLC Project: NWLU 131H

Job ID: 885-11840-1

Eurofins Albuquerque

Job ID: 885-11840-1

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Job Narrative 885-11840-1

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

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

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

Receipt

The samples were received on 9/14/2024 6:25 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.7°C.

Gasoline Range Organics

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

GC VOA

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

Diesel Range Organics

Method 8015D DRO: The continuing calibration verification (CCV) associated with batch 885-12456 recovered above the upper control limit for Di-n-octyl phthalate (Surr). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. All surrogates passed for associated samples, data is unaffected.

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

HPLC/IC

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

Client: Ensolum LLC Project/Site: NWLU 131H

Client Sample ID: BH01@1'

Date Collected: 09/13/24 12:20 Date Received: 09/14/24 06:25

Method: SW846 8015D - Gasoline	e Range Organ	nics (GRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		09/16/24 13:25	09/18/24 17:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		35 - 166			09/16/24 13:25	09/18/24 17:07	1
Method: SW846 8021B - Volatile (Organic Comp	ounds (GC)	1					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	F2 F1	0.025	mg/Kg		09/16/24 13:25	09/18/24 17:07	1
Ethylbenzene	ND	F2 F1	0.050	mg/Kg		09/16/24 13:25	09/18/24 17:07	1
Toluene	ND	F2 F1	0.050	mg/Kg		09/16/24 13:25	09/18/24 17:07	1
Xylenes, Total	ND	F2 F1	0.099	mg/Kg		09/16/24 13:25	09/18/24 17:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		48 - 145			09/16/24 13:25	09/18/24 17:07	1
Method: SW846 8015D - Diesel R	ange Organics	s (DRO) (GC	;)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		09/17/24 11:37	09/18/24 15:35	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		09/17/24 11:37	09/18/24 15:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	125		62 - 134			09/17/24 11:37	09/18/24 15:35	1
- Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		09/17/24 16:05	09/17/24 18:49	20

Job ID: 885-11840-1

Lab Sample ID: 885-11840-1

Matrix: Solid

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5 6 7

Eurofins Albuquerque

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Client: Ensolum LLC Project/Site: NWLU 131H

Client Sample ID: BH01@4'

Date Collected: 09/13/24 13:05 Date Received: 09/14/24 06:25

Analyte		i <mark>ics (GRO) (</mark> Qualifier	, RL	Unit	D	Prepared	Analyzed	Dil Fac
•		Quaimer				·		
Gasoline Range Organics [C6 - C10]	ND		4.7	mg/Kg		09/16/24 13:25	09/18/24 18:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Bromofluorobenzene (Surr)	102		35 - 166			09/16/24 13:25	09/18/24 18:12	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/16/24 13:25	09/18/24 18:12	1
Ethylbenzene	ND		0.047	mg/Kg		09/16/24 13:25	09/18/24 18:12	1
Toluene	ND		0.047	mg/Kg		09/16/24 13:25	09/18/24 18:12	1
Xylenes, Total	ND		0.095	mg/Kg		09/16/24 13:25	09/18/24 18:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		48 - 145			09/16/24 13:25	09/18/24 18:12	1
Method: SW846 8015D - Diesel R	ange Organics	s (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		09/17/24 11:37	09/18/24 15:47	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		09/17/24 11:37	09/18/24 15:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	101		62 - 134			09/17/24 11:37	09/18/24 15:47	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Job ID: 885-11840-1

Lab Sample ID: 885-11840-2 Matrix: Solid

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Client: Ensolum LLC Project/Site: NWLU 131H

Client Sample ID: BH02@1'

Date Collected: 09/13/24 13:00 Date Received: 09/14/24 06:25

Method: SW846 8015D - Gasoline	e Range Organ	iics (GRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		09/16/24 13:25	09/18/24 18:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		35 - 166			09/16/24 13:25	09/18/24 18:34	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/16/24 13:25	09/18/24 18:34	1
Ethylbenzene	ND		0.048	mg/Kg		09/16/24 13:25	09/18/24 18:34	1
Toluene	ND		0.048	mg/Kg		09/16/24 13:25	09/18/24 18:34	1
Xylenes, Total	ND		0.096	mg/Kg		09/16/24 13:25	09/18/24 18:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		48 - 145			09/16/24 13:25	09/18/24 18:34	1
Method: SW846 8015D - Diesel R	ange Organics	s (DRO) (GC	;)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		09/17/24 11:37	09/18/24 15:58	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		09/17/24 11:37	09/18/24 15:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	97		62 - 134			09/17/24 11:37	09/18/24 15:58	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		09/17/24 16:05	09/17/24 19:50	20

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Job ID: 885-11840-1

Lab Sample ID: 885-11840-3 Matrix: Solid

Eurofins Albuquerque

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Client: Ensolum LLC Project/Site: NWLU 131H

Client Sample ID: BH02@4'

Date Collected: 09/13/24 13:15 Date Received: 09/14/24 06:25

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		09/16/24 13:25	09/18/24 19:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		35 - 166			09/16/24 13:25	09/18/24 19:18	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/16/24 13:25	09/18/24 19:18	1
Ethylbenzene	ND		0.050	mg/Kg		09/16/24 13:25	09/18/24 19:18	1
Toluene	ND		0.050	mg/Kg		09/16/24 13:25	09/18/24 19:18	1
Kylenes, Total	ND		0.099	mg/Kg		09/16/24 13:25	09/18/24 19:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Bromofluorobenzene (Surr)	105		48 - 145			09/16/24 13:25	09/18/24 19:18	1
Method: SW846 8015D - Diesel R	ange Organics	(DRO) (GC)					
Analyte	•••	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		09/17/24 11:37	09/18/24 16:09	1
Notor Oil Range Organics [C28-C40]	ND		47	mg/Kg		09/17/24 11:37	09/18/24 16:09	1
		Qualifier	Limits			Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	quanner						
•	% Recovery 100	<u>quanter</u>	62 - 134			09/17/24 11:37	09/18/24 16:09	1
Di-n-octyl phthalate (Surr)	100		62 - 134			09/17/24 11:37	09/18/24 16:09	1
Surrogate Di-n-octyl phthalate (Surr) Method: EPA 300.0 - Anions, Ion Analyte	Chromatograp		62 - 134 RL	Unit	D	09/17/24 11:37 Prepared	09/18/24 16:09 Analyzed	1 Dil Fac

Job ID: 885-11840-1

Lab Sample ID: 885-11840-4

Matrix: Solid

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Client: Ensolum LLC Project/Site: NWLU 131H

Client Sample ID: BH03@1'

Date Collected: 09/13/24 13:20 Date Received: 09/14/24 06:25

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		09/16/24 13:25	09/18/24 19:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		35 - 166			09/16/24 13:25	09/18/24 19:39	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/16/24 13:25	09/18/24 19:39	1
thylbenzene	ND		0.048	mg/Kg		09/16/24 13:25	09/18/24 19:39	1
Foluene	ND		0.048	mg/Kg		09/16/24 13:25	09/18/24 19:39	1
Kylenes, Total	ND		0.096	mg/Kg		09/16/24 13:25	09/18/24 19:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
I-Bromofluorobenzene (Surr)	103		48 - 145			09/16/24 13:25	09/18/24 19:39	1
Method: SW846 8015D - Diesel R	ange Organics	; (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		09/17/24 11:37	09/18/24 16:20	1
Notor Oil Range Organics [C28-C40]	ND		47	mg/Kg		09/17/24 11:37	09/18/24 16:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	102		62 - 134			09/17/24 11:37	09/18/24 16:20	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy						
Method: EPA 300.0 - Anions, Ion Analyte	• •	hy Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Job ID: 885-11840-1

Lab Sample ID: 885-11840-5

Matrix: Solid

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Client: Ensolum LLC Project/Site: NWLU 131H

Client Sample ID: BH03@4'

Date Collected: 09/13/24 13:40 Date Received: 09/14/24 06:25

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		09/16/24 13:25	09/18/24 20:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		35 - 166			09/16/24 13:25	09/18/24 20:01	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC))					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/16/24 13:25	09/18/24 20:01	1
Ethylbenzene	ND		0.050	mg/Kg		09/16/24 13:25	09/18/24 20:01	1
Toluene	ND		0.050	mg/Kg		09/16/24 13:25	09/18/24 20:01	1
Xylenes, Total	ND		0.10	mg/Kg		09/16/24 13:25	09/18/24 20:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		48 - 145			09/16/24 13:25	09/18/24 20:01	1
- Method: SW846 8015D - Diesel R	ange Organics	s (DRO) (GC	;)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		09/17/24 11:37	09/18/24 16:30	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		09/17/24 11:37	09/18/24 16:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	102		62 - 134			09/17/24 11:37	09/18/24 16:30	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
			60					

Matrix: Solid

Lab Sample ID: 885-11840-6

Job ID: 885-11840-1

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Client: Ensolum LLC Project/Site: NWLU 131H

Client Sample ID: BH04@1'

Date Collected: 09/13/24 13:20 Date Received: 09/14/24 06:25

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		09/16/24 13:25	09/18/24 20:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		35 - 166			09/16/24 13:25	09/18/24 20:23	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/16/24 13:25	09/18/24 20:23	1
Ethylbenzene	ND		0.049	mg/Kg		09/16/24 13:25	09/18/24 20:23	1
Toluene	ND		0.049	mg/Kg		09/16/24 13:25	09/18/24 20:23	1
Xylenes, Total	ND		0.098	mg/Kg		09/16/24 13:25	09/18/24 20:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		48 - 145			09/16/24 13:25	09/18/24 20:23	1
- Method: SW846 8015D - Diesel R	ange Organics	s (DRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		09/17/24 11:37	09/18/24 16:41	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		09/17/24 11:37	09/18/24 16:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	129		62 - 134			09/17/24 11:37	09/18/24 16:41	1
- Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy						
				11		Duomourod	A makened	D!!
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Job ID: 885-11840-1

Matrix: Solid

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Lab Sample ID: 885-11840-7

Client: Ensolum LLC Project/Site: NWLU 131H

Client Sample ID: BH04@'4

Date Collected: 09/13/24 13:30 Date Received: 09/14/24 06:25

Method: SW846 8015D - Gasoline	e Range Organ	ics (GRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		09/16/24 13:25	09/18/24 20:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		35 - 166			09/16/24 13:25	09/18/24 20:45	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)	l.					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/16/24 13:25	09/18/24 20:45	1
Ethylbenzene	ND		0.049	mg/Kg		09/16/24 13:25	09/18/24 20:45	1
Toluene	ND		0.049	mg/Kg		09/16/24 13:25	09/18/24 20:45	1
Xylenes, Total	ND		0.099	mg/Kg		09/16/24 13:25	09/18/24 20:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		48 - 145			09/16/24 13:25	09/18/24 20:45	1
Method: SW846 8015D - Diesel R	ange Organics	s (DRO) (GC	;)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		09/17/24 11:37	09/18/24 17:03	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		09/17/24 11:37	09/18/24 17:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	105		62 - 134			09/17/24 11:37	09/18/24 17:03	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		09/17/24 16:05	09/17/24 21:06	20

Job ID: 885-11840-1

Lab Sample ID: 885-11840-8

Matrix: Solid

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Client: Ensolum LLC Project/Site: NWLU 131H

Client Sample ID: BH05@1'

Date Collected: 09/13/24 13:45 Date Received: 09/14/24 06:25

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		09/16/24 13:25	09/18/24 21:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		35 - 166			09/16/24 13:25	09/18/24 21:50	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)	l.					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/16/24 13:25	09/18/24 21:50	1
Ethylbenzene	ND		0.050	mg/Kg		09/16/24 13:25	09/18/24 21:50	1
Toluene	ND		0.050	mg/Kg		09/16/24 13:25	09/18/24 21:50	1
Xylenes, Total	ND		0.099	mg/Kg		09/16/24 13:25	09/18/24 21:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		48 - 145			09/16/24 13:25	09/18/24 21:50	1
Method: SW846 8015D - Diesel R	ange Organics	s (DRO) (GC	;)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.0	mg/Kg		09/17/24 11:37	09/18/24 17:14	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		09/17/24 11:37	09/18/24 17:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	104		62 - 134			09/17/24 11:37	09/18/24 17:14	1
•								
Method: EPA 300.0 - Anions, Ion	Chromatograp	ony						
Method: EPA 300.0 - Anions, Ion Analyte	• •	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Lab Sample ID: 885-11840-9

Matrix: Solid

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Job ID: 885-11840-1

Client: Ensolum LLC Project/Site: NWLU 131H

Client Sample ID: BH05@4'

Date Collected: 09/13/24 13:50 Date Received: 09/14/24 06:25

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		09/16/24 13:25	09/18/24 22:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		35 - 166			09/16/24 13:25	09/18/24 22:12	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/16/24 13:25	09/18/24 22:12	1
Ethylbenzene	ND		0.048	mg/Kg		09/16/24 13:25	09/18/24 22:12	1
Toluene	ND		0.048	mg/Kg		09/16/24 13:25	09/18/24 22:12	1
Xylenes, Total	ND		0.095	mg/Kg		09/16/24 13:25	09/18/24 22:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		48 - 145			09/16/24 13:25	09/18/24 22:12	1
Method: SW846 8015D - Diesel R	ange Organics	s (DRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		09/17/24 11:37	09/18/24 17:25	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		09/17/24 11:37	09/18/24 17:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	110		62 - 134			09/17/24 11:37	09/18/24 17:25	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Lab Sample ID: 885-11840-10 Matrix: Solid

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Job ID: 885-11840-1

Client: Ensolum LLC Project/Site: NWLU 131H

Client Sample ID: BH06@1'

Date Collected: 09/13/24 14:00 Date Received: 09/14/24 06:25

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		09/16/24 13:25	09/18/24 22:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		35 - 166			09/16/24 13:25	09/18/24 22:33	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC))					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/16/24 13:25	09/18/24 22:33	1
Ethylbenzene	ND		0.049	mg/Kg		09/16/24 13:25	09/18/24 22:33	1
Toluene	ND		0.049	mg/Kg		09/16/24 13:25	09/18/24 22:33	1
Xylenes, Total	ND		0.099	mg/Kg		09/16/24 13:25	09/18/24 22:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		48 - 145			09/16/24 13:25	09/18/24 22:33	1
Method: SW846 8015D - Diesel R	ange Organics	s (DRO) (GC	;)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		09/17/24 11:37	09/18/24 17:35	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		09/17/24 11:37	09/18/24 17:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	124		62 - 134			09/17/24 11:37	09/18/24 17:35	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	180		59	mg/Kg		09/17/24 16:05	09/17/24 22:52	20

Job ID: 885-11840-1

Lab Sample ID: 885-11840-11 Matrix: Solid

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Client: Ensolum LLC Project/Site: NWLU 131H

Client Sample ID: BH06@4'

Date Collected: 09/13/24 14:10 Date Received: 09/14/24 06:25

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.6	mg/Kg		09/16/24 13:25	09/18/24 22:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		35 - 166			09/16/24 13:25	09/18/24 22:55	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		09/16/24 13:25	09/18/24 22:55	1
Ethylbenzene	ND		0.046	mg/Kg		09/16/24 13:25	09/18/24 22:55	1
Toluene	ND		0.046	mg/Kg		09/16/24 13:25	09/18/24 22:55	1
Xylenes, Total	ND		0.093	mg/Kg		09/16/24 13:25	09/18/24 22:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		48 - 145			09/16/24 13:25	09/18/24 22:55	1
Method: SW846 8015D - Diesel R	ange Organics	s (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		09/17/24 11:37	09/18/24 17:46	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		09/17/24 11:37	09/18/24 17:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	96		62 - 134			09/17/24 11:37	09/18/24 17:46	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy						
Analyte	Pocult	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Result	Quannoi		onic	-		/	2

Job ID: 885-11840-1

Lab Sample ID: 885-11840-12 Matrix: Solid

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Client: Ensolum LLC Project/Site: NWLU 131H

Client Sample ID: BH07@1'

Date Collected: 09/13/24 14:15 Date Received: 09/14/24 06:25

Method: SW846 8015D - Gasoline								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.7	mg/Kg		09/16/24 13:34	09/18/24 23:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		35 - 166			09/16/24 13:34	09/18/24 23:17	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC))					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		09/16/24 13:34	09/18/24 23:17	1
Ethylbenzene	ND		0.047	mg/Kg		09/16/24 13:34	09/18/24 23:17	1
Toluene	ND		0.047	mg/Kg		09/16/24 13:34	09/18/24 23:17	1
Xylenes, Total	ND		0.094	mg/Kg		09/16/24 13:34	09/18/24 23:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		48 - 145			09/16/24 13:34	09/18/24 23:17	1
Method: SW846 8015D - Diesel R	ange Organics	s (DRO) (GC	;)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		09/17/24 11:37	09/18/24 17:57	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		09/17/24 11:37	09/18/24 17:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	99		62 - 134			09/17/24 11:37	09/18/24 17:57	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		09/17/24 16:05	09/17/24 23:22	20

Job ID: 885-11840-1

Lab Sample ID: 885-11840-13

Matrix: Solid

5

Eurofins Albuquerque

Client: Ensolum LLC Project/Site: NWLU 131H

Client Sample ID: BH07@4'

Date Collected: 09/13/24 14:20 Date Received: 09/14/24 06:25

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		09/16/24 13:34	09/18/24 23:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		35 - 166			09/16/24 13:34	09/18/24 23:39	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/16/24 13:34	09/18/24 23:39	1
Ethylbenzene	ND		0.048	mg/Kg		09/16/24 13:34	09/18/24 23:39	1
Toluene	ND		0.048	mg/Kg		09/16/24 13:34	09/18/24 23:39	1
Xylenes, Total	ND		0.095	mg/Kg		09/16/24 13:34	09/18/24 23:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		48 - 145			09/16/24 13:34	09/18/24 23:39	1
Method: SW846 8015D - Diesel R	ange Organics	s (DRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		09/17/24 11:37	09/18/24 18:08	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		09/17/24 11:37	09/18/24 18:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	98		62 - 134			09/17/24 11:37	09/18/24 18:08	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
-								

Job ID: 885-11840-1

Lab Sample ID: 885-11840-14 Matrix: Solid

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Client: Ensolum LLC Project/Site: NWLU 131H

Client Sample ID: BH08@1'

Date Collected: 09/13/24 14:30 Date Received: 09/14/24 06:25

Method: SW846 8015D - Gasoline	e Range Organ	ics (GRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		09/16/24 13:34	09/19/24 00:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		35 - 166			09/16/24 13:34	09/19/24 00:01	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)	l.					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/16/24 13:34	09/19/24 00:01	1
Ethylbenzene	ND		0.049	mg/Kg		09/16/24 13:34	09/19/24 00:01	1
Toluene	ND		0.049	mg/Kg		09/16/24 13:34	09/19/24 00:01	1
Xylenes, Total	ND		0.098	mg/Kg		09/16/24 13:34	09/19/24 00:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		48 - 145			09/16/24 13:34	09/19/24 00:01	1
Method: SW846 8015D - Diesel R	ange Organics	s (DRO) (GC	;)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		09/17/24 11:37	09/18/24 18:20	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		09/17/24 11:37	09/18/24 18:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	99		62 - 134			09/17/24 11:37	09/18/24 18:20	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		09/17/24 16:05	09/17/24 23:52	20

Job ID: 885-11840-1

Lab Sample ID: 885-11840-15

Matrix: Solid

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Client: Ensolum LLC Project/Site: NWLU 131H

Client Sample ID: BH08@4'

Date Collected: 09/13/24 14:35 Date Received: 09/14/24 06:25

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		09/16/24 13:34	09/19/24 00:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		35 - 166			09/16/24 13:34	09/19/24 00:22	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)	l.					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/16/24 13:34	09/19/24 00:22	1
Ethylbenzene	ND		0.049	mg/Kg		09/16/24 13:34	09/19/24 00:22	1
Toluene	ND		0.049	mg/Kg		09/16/24 13:34	09/19/24 00:22	1
Xylenes, Total	ND		0.097	mg/Kg		09/16/24 13:34	09/19/24 00:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		48 - 145			09/16/24 13:34	09/19/24 00:22	1
Method: SW846 8015D - Diesel R	ange Organics	s (DRO) (GC	;)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		09/17/24 11:37	09/18/24 18:31	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		09/17/24 11:37	09/18/24 18:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	129		62 - 134			09/17/24 11:37	09/18/24 18:31	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Job ID: 885-11840-1

Lab Sample ID: 885-11840-16

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Client: Ensolum LLC Project/Site: NWLU 131H

Client Sample ID: BH09@1'

Date Collected: 09/13/24 14:40 Date Received: 09/14/24 06:25

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.6	mg/Kg		09/16/24 13:34	09/19/24 00:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		35 - 166			09/16/24 13:34	09/19/24 00:44	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		09/16/24 13:34	09/19/24 00:44	1
Ethylbenzene	ND		0.046	mg/Kg		09/16/24 13:34	09/19/24 00:44	1
Toluene	ND		0.046	mg/Kg		09/16/24 13:34	09/19/24 00:44	1
Xylenes, Total	ND		0.092	mg/Kg		09/16/24 13:34	09/19/24 00:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		48 - 145			09/16/24 13:34	09/19/24 00:44	1
Method: SW846 8015D - Diesel R	Range Organics	(DRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	D:1 E
Analyte	Result	Quanner	RL	Unit				Dil Fac
Diesel Range Organics [C10-C28]	- Result ND		9.8	mg/Kg		09/17/24 11:37	09/18/24 18:42	1
						09/17/24 11:37 09/17/24 11:37		
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg			09/18/24 18:42	1
Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate	ND ND		9.8 49	mg/Kg		09/17/24 11:37	09/18/24 18:42 09/18/24 18:42	1 1
Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate Di-n-octyl phthalate (Surr)	ND ND <u>%Recovery</u> 96	Qualifier	9.8 49 <i>Limits</i>	mg/Kg		09/17/24 11:37 Prepared	09/18/24 18:42 09/18/24 18:42 Analyzed	1 1
Diesel Range Organics [C10-C28] Motor Oil Range Organics [C28-C40] Surrogate	ND ND %Recovery 96 Chromatograp	Qualifier	9.8 49 <i>Limits</i>	mg/Kg		09/17/24 11:37 Prepared	09/18/24 18:42 09/18/24 18:42 Analyzed	1 1

Job ID: 885-11840-1

000 10.000-110-0-1

Lab Sample ID: 885-11840-17 Matrix: Solid

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Client: Ensolum LLC Project/Site: NWLU 131H

Client Sample ID: BH09@4'

Date Collected: 09/13/24 14:45 Date Received: 09/14/24 06:25

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.7	mg/Kg		09/16/24 13:34	09/19/24 01:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		35 - 166			09/16/24 13:34	09/19/24 01:06	1
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC))					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/16/24 13:34	09/19/24 01:06	1
Ethylbenzene	ND		0.047	mg/Kg		09/16/24 13:34	09/19/24 01:06	1
Toluene	ND		0.047	mg/Kg		09/16/24 13:34	09/19/24 01:06	1
Xylenes, Total	ND		0.094	mg/Kg		09/16/24 13:34	09/19/24 01:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145			09/16/24 13:34	09/19/24 01:06	1
Method: SW846 8015D - Diesel R	ange Organics	s (DRO) (GC	;)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		09/17/24 11:37	09/18/24 19:04	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		09/17/24 11:37	09/18/24 19:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	96		62 - 134			09/17/24 11:37	09/18/24 19:04	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
			60			09/18/24 09:25	09/19/24 10:39	20

Job ID: 885-11840-1

Lab Sample ID: 885-11840-18 Matrix: Solid

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QC Sample Results

Project/Site: NWLU 131H

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Method: 8015D - Gasoline Ra	nge Organ	ics (GRU) (GC)								
									Client Sa	ample ID: Metho	d Blank
Matrix: Solid										Prep Type:	Total/NA
Analysis Batch: 12552										Prep Batc	h: 12318
	MB	MB									
Analyte	Result	Qualifier	RL		Uni	t	D	Ρ	repared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0		mg/	Kg	_	09/1	6/24 13:25	09/18/24 15:40	1
	МВ	MB									
Surrogate	%Recovery	Qualifier	Limits					P	repared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		35 - 166					09/1	6/24 13:25	09/18/24 15:40	1
	4						С	lient	Sample	ID: Lab Control	Sample
Matrix: Solid										Prep Type:	
Analysis Batch: 12552										Prep Batc	h: 12318
			Spike	LCS	LCS					%Rec	
Analyte			Added	Result	Qualifier	Unit		D	%Rec	Limits	
Gasoline Range Organics [C6 -			25.0	28.3		mg/Kg			113	70 - 130	
C10]											
	LCS LCS	5									
Surrogate %	Recovery Qua	alifier	Limits								
4-Bromofluorobenzene (Surr)	236		35 - 166								

Method: 8021B	Volatilo	Organic C	omnounde	(GC)
vieliiuu. ouzid '	vulatile		onnounus.	

Lab Sample ID: MB 885-12318/1-A Matrix: Solid								Client S	ample ID: Metho Prep Type: ⁻	
Analysis Batch: 12556									Prep Batcl	
	MB	MB								
Analyte	Result	Qualifier	RL		Unit		D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/K	g	09	/16/24 13:25	09/18/24 15:40	1
Ethylbenzene	ND		0.050		mg/K	g	09	/16/24 13:25	09/18/24 15:40	1
Toluene	ND		0.050		mg/K	g	09	/16/24 13:25	09/18/24 15:40	1
Xylenes, Total	ND		0.10		mg/K	g	09	/16/24 13:25	09/18/24 15:40	1
	MB	МВ								
Surrogate	%Recovery	Qualifier	Limits					Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		48 - 145				09	/16/24 13:25	09/18/24 15:40	1
- Lab Sample ID: LCS 885-12318/3-A							Clier	nt Sample	ID: Lab Control	Sample
Matrix: Solid									Prep Type: ⁻	
Analysis Batch: 12556									Prep Batcl	
			Spike	LCS	LCS				%Rec	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene			1.00	1.03		mg/Kg		103	70 - 130	
Ethylbenzene			1.00	1.05		mg/Kg		105	70 - 130	

1.00

1.00

1.03

1.04

3.12

Xylenes, Total			3.00
	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		48 - 145

mg/Kg

mg/Kg

mg/Kg

103

104

104

70 - 130

70 - 130

70 - 130

Job ID: 885-11840-1

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o-Xylene

Toluene

Lab Sample ID: 885-11840-1 MS

QC Sample Results

Spike

Added

0.995

0.995

1.99

0.995

0.995

2.99

Limits

48 - 145

Analysis Batch: 12783

4-Bromofluorobenzene (Surr)

Analysis Batch: 12556

Lab Sample ID: 885-11840-1 MSD

Matrix: Solid

Analyte

Benzene

Ethylbenzene

Xylenes, Total

Surrogate

Matrix: Solid

m,p-Xylene

o-Xylene

Toluene

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

Sample Sample

Result Qualifier

ND F2 F1

MS MS Qualifier

108

%Recovery

ND

F2 F1

ID: 885-11840-1	

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Client Sample ID: BH01@1' Prep Type: Total/NA Prep Batch: 12318 MS MS %Rec Result Qualifier Unit D %Rec Limits 6 0.980 mg/Kg 98 70 - 130 1.02 mg/Kg 103 70 - 130 2.05 mg/Kg 103 70 - 130 1.01 101 70 - 130 mg/Kg 1.01 mg/Kg 101 70 - 130 3.06 mg/Kg 103 70 - 130

Client Sample ID: BH01@1' Prep Type: Total/NA Prep Batch: 12318

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	ND	F2 F1	0.990	0.971	F2	mg/Kg		98	70 - 130	194	20
Ethylbenzene	ND	F2 F1	0.990	1.00	F2	mg/Kg		101	70 - 130	193	20
m,p-Xylene	ND	F2 F1	1.98	2.00	F2	mg/Kg		101	70 - 130	192	20
o-Xylene	ND	F2 F1	0.990	0.987	F2	mg/Kg		100	70 - 130	193	20
Toluene	ND	F2 F1	0.990	0.988	F2	mg/Kg		100	70 - 130	193	20
Xylenes, Total	ND	F2 F1	2.97	2.99	F2	mg/Kg		101	70 - 130	192	20
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	106		48 - 145								

Method: 8015D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-12395/ Matrix: Solid	1-A										Client Sa	ample ID: Metho Prep Type:	
Analysis Batch: 12456												Prep Batc	
		мв	МВ										
Analyte	Re	sult	Qualifier		RL		Unit		D	P	repared	Analyzed	Dil Fa
Diesel Range Organics [C10-C28]		ND			10		mg/Kg	g	_	09/1	7/24 11:37	09/18/24 15:03	
Motor Oil Range Organics [C28-C40]		ND			50		mg/Kg	g		09/1	7/24 11:37	09/18/24 15:03	
		ΜВ	МВ										
Surrogate	%Reco	very	Qualifier	Limits						P	repared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)		96		62 - 13	34					09/1	7/24 11:37	09/18/24 15:03	1
Lab Sample ID: LCS 885-12395	/ 2-A								С	lient	Sample	ID: Lab Contro	Sample
Matrix: Solid											Campio	Prep Type:	
Analysis Batch: 12456												Prep Batc	
·				Spike		_cs	LCS					%Rec	
Analyte				Added	Re	sult	Qualifier	Unit		D	%Rec	Limits	
Diesel Range Organics [C10-C28]				50.0	2	18.5		mg/Kg			97	60 - 135	
	LCS	LCS											
Surrogate	%Recovery	Quali	ifier	Limits									
Di-n-octyl phthalate (Surr)	110			62 - 134									

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Job

QC Sample Results

Job ID: 885-11840-1

Client: Ensolum LLC Project/Site: NWLU 131H

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-12426/1-A										Client Sa	mple ID: N	lethod	Blank
Matrix: Solid											Prep T	pe: To	tal/NA
Analysis Batch: 12410											Prep	Batch:	12426
		MB MB											
Analyte	Re	esult Qualifier		RL		Ur	nit	D	P	repared	Analyze	d	Dil Fac
Chloride		ND		3.0		m	g/Kg		09/1	7/24 16:05	09/17/24 1	7:03	
Lab Sample ID: LCS 885-12426/2-A								CI	ient	Sample	ID: Lab Co	ntrol S	ample
Matrix: Solid											Prep T	ype: To	tal/N/
Analysis Batch: 12410											Prep	Batch:	12420
			Spike		LCS	LCS					%Rec		
Analyte			Added	F	Result	Qualifie	er Unit		D	%Rec	Limits		
Chloride			30.0		30.9		mg/Kg			103	90 - 110		
Lab Sample ID: 885-11840-8 MS										Clie	nt Sample	ID: BH	04@'
Matrix: Solid											Prep T	pe: To	tal/N/
Analysis Batch: 12410												Batch:	
-	Sample	Sample	Spike		MS	MS					%Rec		
Analyte	Result	Qualifier	Added	F	Result	Qualifie	er Unit		D	%Rec	Limits		
Chloride	ND		29.9		ND		mg/Kg		_	NC	50 - 150		
Lab Sample ID: 885-11840-8 MSD										Clie	nt Sample	ID: BH	04@'
Matrix: Solid											Prep T	pe: To	tal/N/
Analysis Batch: 12410											Prep	Batch:	12420
	Sample	Sample	Spike		MSD	MSD					%Rec		RPI
Analyte	Result	Qualifier	Added	F	Result	Qualifie	er Unit		D	%Rec	Limits	RPD	Lim
Chloride	ND		30.2		ND		mg/Kg		_	NC	50 - 150	NC	20

Client Sample ID

BH01@1

BH01@4'

BH02@1'

BH02@4'

BH03@1'

BH03@4'

BH04@1'

BH04@'4

BH05@1'

BH05@4'

BH06@1'

BH06@4'

BH07@1'

BH07@4'

BH08@1'

BH08@4'

BH09@1'

BH09@4'

BH01@1'

BH01@1'

BH01@1

BH01@4'

BH02@1'

BH02@4'

BH03@1'

Method Blank

Lab Control Sample

Lab Control Sample

Client Sample ID

QC Association Summary

Prep Type

Total/NA

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Matrix

Solid

Matrix

Solid

Method

5030C

Method

8015D

Project/Site: NWLU 131H

Prep Batch: 12318 Lab Sample ID

GC VOA

885-11840-1

885-11840-2

885-11840-3

885-11840-4

885-11840-5

885-11840-6

885-11840-7

885-11840-8

885-11840-9

885-11840-10

885-11840-11

885-11840-12

885-11840-13

885-11840-14 885-11840-15

885-11840-16

885-11840-17

885-11840-18

MB 885-12318/1-A

LCS 885-12318/2-A

LCS 885-12318/3-A

885-11840-1 MS

Lab Sample ID

885-11840-1

885-11840-2

885-11840-3

885-11840-4

885-11840-5

885-11840-1 MSD

Analysis Batch: 12552

Prep Batch

Prep Batch

12318

12318

12318

12318

12318

12318

12318

12318

12318

12318

12318

12318

12318

12318

12318

12318

12318

12318

12318

12318

7

885-11840-6	BH03@4'	Total/NA
885-11840-7	BH04@1'	Total/NA
885-11840-8	BH04@'4	Total/NA
885-11840-9	BH05@1'	Total/NA
885-11840-10	BH05@4'	Total/NA
885-11840-11	BH06@1'	Total/NA
885-11840-12	BH06@4'	Total/NA
885-11840-13	BH07@1'	Total/NA
885-11840-14	BH07@4'	Total/NA
885-11840-15	BH08@1'	Total/NA
885-11840-16	BH08@4'	Total/NA
885-11840-17	BH09@1'	Total/NA
885-11840-18	BH09@4'	Total/NA
MB 885-12318/1-A	Method Blank	Total/NA
LCS 885-12318/2-A	Lab Control Sample	Total/NA

Analysis Batch: 12556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11840-1	BH01@1'	Total/NA	Solid	8021B	12318
885-11840-2	BH01@4'	Total/NA	Solid	8021B	12318

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Client: Ensolum LLC

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QC Association Summary

Client: Ensolum LLC Project/Site: NWLU 131H

GC VOA (Continued)

Analysis Batch: 12556 (Continued)

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
885-11840-3	BH02@1'	Total/NA	Solid	8021B	12318
885-11840-4	BH02@4'	Total/NA	Solid	8021B	12318
885-11840-5	BH03@1'	Total/NA	Solid	8021B	12318
885-11840-6	BH03@4'	Total/NA	Solid	8021B	12318
885-11840-7	BH04@1'	Total/NA	Solid	8021B	12318
885-11840-8	BH04@'4	Total/NA	Solid	8021B	12318
385-11840-9	BH05@1'	Total/NA	Solid	8021B	12318
385-11840-10	BH05@4'	Total/NA	Solid	8021B	12318
385-11840-11	BH06@1'	Total/NA	Solid	8021B	12318
385-11840-12	BH06@4'	Total/NA	Solid	8021B	12318
885-11840-13	BH07@1'	Total/NA	Solid	8021B	12318
385-11840-14	BH07@4'	Total/NA	Solid	8021B	12318
385-11840-15	BH08@1'	Total/NA	Solid	8021B	12318
385-11840-16	BH08@4'	Total/NA	Solid	8021B	12318
885-11840-17	BH09@1'	Total/NA	Solid	8021B	12318
385-11840-18	BH09@4'	Total/NA	Solid	8021B	12318
MB 885-12318/1-A	Method Blank	Total/NA	Solid	8021B	12318
-CS 885-12318/3-A	Lab Control Sample	Total/NA	Solid	8021B	12318
385-11840-1 MSD	BH01@1'	Total/NA	Solid	8021B	12318
- Analysis Batch: 12783	-				

La	b Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
88	5-11840-1 MS	BH01@1'	Total/NA	Solid	8021B	12318

GC Semi VOA

Prep Batch: 12395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11840-1	BH01@1'	Total/NA	Solid	SHAKE	
885-11840-2	BH01@4'	Total/NA	Solid	SHAKE	
885-11840-3	BH02@1'	Total/NA	Solid	SHAKE	
885-11840-4	BH02@4'	Total/NA	Solid	SHAKE	
885-11840-5	BH03@1'	Total/NA	Solid	SHAKE	
885-11840-6	BH03@4'	Total/NA	Solid	SHAKE	
885-11840-7	BH04@1'	Total/NA	Solid	SHAKE	
885-11840-8	BH04@'4	Total/NA	Solid	SHAKE	
885-11840-9	BH05@1'	Total/NA	Solid	SHAKE	
885-11840-10	BH05@4'	Total/NA	Solid	SHAKE	
885-11840-11	BH06@1'	Total/NA	Solid	SHAKE	
885-11840-12	BH06@4'	Total/NA	Solid	SHAKE	
885-11840-13	BH07@1'	Total/NA	Solid	SHAKE	
885-11840-14	BH07@4'	Total/NA	Solid	SHAKE	
885-11840-15	BH08@1'	Total/NA	Solid	SHAKE	
885-11840-16	BH08@4'	Total/NA	Solid	SHAKE	
885-11840-17	BH09@1'	Total/NA	Solid	SHAKE	
885-11840-18	BH09@4'	Total/NA	Solid	SHAKE	
MB 885-12395/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-12395/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

QC Association Summary

Client: Ensolum LLC Project/Site: NWLU 131H

Analysis Batch: 12456

GC Semi VOA

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7 8 9 10

Prep Type	Matrix
Total/NA	Solid

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
885-11840-1	BH01@1'	Total/NA	Solid	8015D	12395
885-11840-2	BH01@4'	Total/NA	Solid	8015D	12395
885-11840-3	BH02@1'	Total/NA	Solid	8015D	12395
885-11840-4	BH02@4'	Total/NA	Solid	8015D	12395
885-11840-5	BH03@1'	Total/NA	Solid	8015D	12395
885-11840-6	BH03@4'	Total/NA	Solid	8015D	12395
885-11840-7	BH04@1'	Total/NA	Solid	8015D	12395
885-11840-8	BH04@'4	Total/NA	Solid	8015D	12395
885-11840-9	BH05@1'	Total/NA	Solid	8015D	12395
885-11840-10	BH05@4'	Total/NA	Solid	8015D	12395
885-11840-11	BH06@1'	Total/NA	Solid	8015D	12395
885-11840-12	BH06@4'	Total/NA	Solid	8015D	12395
885-11840-13	BH07@1'	Total/NA	Solid	8015D	12395
885-11840-14	BH07@4'	Total/NA	Solid	8015D	12395
885-11840-15	BH08@1'	Total/NA	Solid	8015D	12395
885-11840-16	BH08@4'	Total/NA	Solid	8015D	12395
885-11840-17	BH09@1'	Total/NA	Solid	8015D	12395
885-11840-18	BH09@4'	Total/NA	Solid	8015D	12395
MB 885-12395/1-A	Method Blank	Total/NA	Solid	8015D	12395
LCS 885-12395/2-A	Lab Control Sample	Total/NA	Solid	8015D	12395

HPLC/IC

Analysis Batch: 12410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
885-11840-1	BH01@1'	Total/NA	Solid	300.0	12426
885-11840-2	BH01@4'	Total/NA	Solid	300.0	12426
885-11840-3	BH02@1'	Total/NA	Solid	300.0	12426
885-11840-4	BH02@4'	Total/NA	Solid	300.0	12426
885-11840-5	BH03@1'	Total/NA	Solid	300.0	12426
885-11840-6	BH03@4'	Total/NA	Solid	300.0	12426
885-11840-7	BH04@1'	Total/NA	Solid	300.0	12426
885-11840-8	BH04@'4	Total/NA	Solid	300.0	12426
885-11840-9	BH05@1'	Total/NA	Solid	300.0	12426
885-11840-10	BH05@4'	Total/NA	Solid	300.0	12426
885-11840-11	BH06@1'	Total/NA	Solid	300.0	12426
885-11840-12	BH06@4'	Total/NA	Solid	300.0	12426
885-11840-13	BH07@1'	Total/NA	Solid	300.0	12426
885-11840-14	BH07@4'	Total/NA	Solid	300.0	12426
885-11840-15	BH08@1'	Total/NA	Solid	300.0	12426
885-11840-16	BH08@4'	Total/NA	Solid	300.0	12426
885-11840-17	BH09@1'	Total/NA	Solid	300.0	12426
MB 885-12426/1-A	Method Blank	Total/NA	Solid	300.0	12426
LCS 885-12426/2-A	Lab Control Sample	Total/NA	Solid	300.0	12426
885-11840-8 MS	BH04@'4	Total/NA	Solid	300.0	12426
885-11840-8 MSD	BH04@'4	Total/NA	Solid	300.0	12426
rep Batch: 12426					
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
885-11840-1	BH01@1'	Total/NA	Solid	300_Prep	
885-11840-2	BH01@4'	Total/NA	Solid	300_Prep	

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QC Association Summary

Client: Ensolum LLC Project/Site: NWLU 131H

HPLC/IC (Continued)

Prep Batch: 12426 (Continued)

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batcl
885-11840-3	BH02@1'	Total/NA	Solid	300_Prep	
885-11840-4	BH02@4'	Total/NA	Solid	300_Prep	
885-11840-5	BH03@1'	Total/NA	Solid	300_Prep	
885-11840-6	BH03@4'	Total/NA	Solid	300_Prep	
885-11840-7	BH04@1'	Total/NA	Solid	300_Prep	
885-11840-8	BH04@'4	Total/NA	Solid	300_Prep	
885-11840-9	BH05@1'	Total/NA	Solid	300_Prep	
885-11840-10	BH05@4'	Total/NA	Solid	300_Prep	
885-11840-11	BH06@1'	Total/NA	Solid	300_Prep	
885-11840-12	BH06@4'	Total/NA	Solid	300_Prep	
885-11840-13	BH07@1'	Total/NA	Solid	300_Prep	
885-11840-14	BH07@4'	Total/NA	Solid	300_Prep	
885-11840-15	BH08@1'	Total/NA	Solid	300_Prep	
885-11840-16	BH08@4'	Total/NA	Solid	300_Prep	
885-11840-17	BH09@1'	Total/NA	Solid	300_Prep	
MB 885-12426/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-12426/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-11840-8 MS	BH04@'4	Total/NA	Solid	300_Prep	
885-11840-8 MSD	BH04@'4	Total/NA	Solid	300_Prep	
rep Batch: 12453					
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Bato
885-11840-18	BH09@4'	Total/NA	Solid	300_Prep	

Analysis Batch: 12612

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
885-11840-18	BH09@4'	Total/NA	Solid	300.0	12453

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Lab Chronicle

Client: Ensolum LLC Project/Site: NWLU 131H

Client Sample ID: BH01@1' Date Collected: 09/13/24 12:20

Date Received: 09/14/24 06:25

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			12318	AT	EET ALB	09/16/24 13:25
Total/NA	Analysis	8015D		1	12552	AT	EET ALB	09/18/24 17:07
Total/NA	Prep	5030C			12318	AT	EET ALB	09/16/24 13:25
Total/NA	Analysis	8021B		1	12556	AT	EET ALB	09/18/24 17:07
Total/NA	Prep	SHAKE			12395	EM	EET ALB	09/17/24 11:37
Total/NA	Analysis	8015D		1	12456	EM	EET ALB	09/18/24 15:35
Total/NA	Prep	300_Prep			12426	EH	EET ALB	09/17/24 16:05
Total/NA	Analysis	300.0		20	12410	EH	EET ALB	09/17/24 18:49

Lab Sample ID: 885-11840-2

Lab Sample ID: 885-11840-3

Lab Sample ID: 885-11840-4

Matrix: Solid

Matrix: Solid

5 6

8

Client Sample ID: BH01@4'

Date Collected: 09/13/24 13:05 Date Received: 09/14/24 06:25

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			12318	AT	EET ALB	09/16/24 13:25
Total/NA	Analysis	8015D		1	12552	AT	EET ALB	09/18/24 18:12
Total/NA	Prep	5030C			12318	AT	EET ALB	09/16/24 13:25
Total/NA	Analysis	8021B		1	12556	AT	EET ALB	09/18/24 18:12
Total/NA	Prep	SHAKE			12395	EM	EET ALB	09/17/24 11:37
Total/NA	Analysis	8015D		1	12456	EM	EET ALB	09/18/24 15:47
Total/NA	Prep	300_Prep			12426	EH	EET ALB	09/17/24 16:05
Total/NA	Analysis	300.0		20	12410	EH	EET ALB	09/17/24 19:35

Client Sample ID: BH02@1'

Date Collected: 09/13/24 13:00 Date Received: 09/14/24 06:25

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			12318	AT	EET ALB	09/16/24 13:25
Total/NA	Analysis	8015D		1	12552	AT	EET ALB	09/18/24 18:34
Total/NA	Prep	5030C			12318	AT	EET ALB	09/16/24 13:25
Total/NA	Analysis	8021B		1	12556	AT	EET ALB	09/18/24 18:34
Total/NA	Prep	SHAKE			12395	EM	EET ALB	09/17/24 11:37
Total/NA	Analysis	8015D		1	12456	EM	EET ALB	09/18/24 15:58
Total/NA	Prep	300_Prep			12426	EH	EET ALB	09/17/24 16:05
Total/NA	Analysis	300.0		20	12410	EH	EET ALB	09/17/24 19:50

Client Sample ID: BH02@4'

Date Collected: 09/13/24 13:15 Date Received: 09/14/24 06:25

	Batch	Batch		Dilution	Batch			Prepared
Prep Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			12318	AT	EET ALB	09/16/24 13:25
Total/NA	Analysis	8015D		1	12552	AT	EET ALB	09/18/24 19:18

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Job ID: 885-11840-1

Lab Sample ID: 885-11840-1 Matrix: Solid

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Job ID: 885-11840-1

Matrix: Solid

Lab Sample ID: 885-11840-4

Lab Chronicle

Client: Ensolum LLC Project/Site: NWLU 131H

Client Sample ID: BH02@4' Date Collected: 09/13/24 13:15

Date Received: 09/14/24 06:25

	Batch	Batch		Dilution	Batch			Prepared	
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed	
Total/NA	Prep	5030C			12318	AT	EET ALB	09/16/24 13:25	
Total/NA	Analysis	8021B		1	12556	AT	EET ALB	09/18/24 19:18	
Total/NA	Prep	SHAKE			12395	EM	EET ALB	09/17/24 11:37	
Total/NA	Analysis	8015D		1	12456	EM	EET ALB	09/18/24 16:09	
Total/NA	Prep	300_Prep			12426	EH	EET ALB	09/17/24 16:05	
Total/NA	Analysis	300.0		20	12410	EH	EET ALB	09/17/24 20:05	

Client Sample ID: BH03@1'

Date Collected: 09/13/24 13:20 Date Received: 09/14/24 06:25

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			12318	AT	EET ALB	09/16/24 13:25
Total/NA	Analysis	8015D		1	12552	AT	EET ALB	09/18/24 19:39
Total/NA	Prep	5030C			12318	AT	EET ALB	09/16/24 13:25
Total/NA	Analysis	8021B		1	12556	AT	EET ALB	09/18/24 19:39
Total/NA	Prep	SHAKE			12395	EM	EET ALB	09/17/24 11:37
Total/NA	Analysis	8015D		1	12456	EM	EET ALB	09/18/24 16:20
Total/NA	Prep	300_Prep			12426	EH	EET ALB	09/17/24 16:05
Total/NA	Analysis	300.0		20	12410	EH	EET ALB	09/17/24 20:20

Client Sample ID: BH03@4' Date Collected: 09/13/24 13:40 Date Received: 09/14/24 06:25

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			12318	AT	EET ALB	09/16/24 13:25
Total/NA	Analysis	8015D		1	12552	AT	EET ALB	09/18/24 20:01
Total/NA	Prep	5030C			12318	AT	EET ALB	09/16/24 13:25
Total/NA	Analysis	8021B		1	12556	AT	EET ALB	09/18/24 20:01
Total/NA	Prep	SHAKE			12395	EM	EET ALB	09/17/24 11:37
Total/NA	Analysis	8015D		1	12456	EM	EET ALB	09/18/24 16:30
Total/NA	Prep	300_Prep			12426	EH	EET ALB	09/17/24 16:05
Total/NA	Analysis	300.0		20	12410	EH	EET ALB	09/17/24 20:35

Client Sample ID: BH04@1'

Date Collected: 09/13/24 13:20 Date Received: 09/14/24 06:25

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			12318	AT	EET ALB	09/16/24 13:25
Total/NA	Analysis	8015D		1	12552	AT	EET ALB	09/18/24 20:23
Total/NA	Prep	5030C			12318	AT	EET ALB	09/16/24 13:25
Total/NA	Analysis	8021B		1	12556	AT	EET ALB	09/18/24 20:23

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5 6 8

Lab Sample ID: 885-11840-5

Lab Sample ID: 885-11840-6

Lab Sample ID: 885-11840-7

Matrix: Solid

Matrix: Solid

Lab Chronicle

Job ID: 885-11840-1

Matrix: Solid

Matrix: Solid

Lab Sample ID: 885-11840-7

Lab Sample ID: 885-11840-8

Client: Ensolum LLC Project/Site: NWLU 131H

Client Sample ID: BH04@1' Date Collected: 09/13/24 13:20

Date Received: 09/14/24 06:25

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	SHAKE			12395	EM	EET ALB	09/17/24 11:37
Total/NA	Analysis	8015D		1	12456	EM	EET ALB	09/18/24 16:41
Total/NA	Prep	300_Prep			12426	EH	EET ALB	09/17/24 16:05
Total/NA	Analysis	300.0		20	12410	EH	EET ALB	09/17/24 20:50

Client Sample ID: BH04@'4

Date Collected: 09/13/24 13:30 Date Received: 09/14/24 06:25

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			12318	AT	EET ALB	09/16/24 13:25
Total/NA	Analysis	8015D		1	12552	AT	EET ALB	09/18/24 20:45
Total/NA	Prep	5030C			12318	AT	EET ALB	09/16/24 13:25
Total/NA	Analysis	8021B		1	12556	AT	EET ALB	09/18/24 20:45
Total/NA	Prep	SHAKE			12395	EM	EET ALB	09/17/24 11:37
Total/NA	Analysis	8015D		1	12456	EM	EET ALB	09/18/24 17:03
Total/NA	Prep	300_Prep			12426	EH	EET ALB	09/17/24 16:05
Total/NA	Analysis	300.0		20	12410	EH	EET ALB	09/17/24 21:06

Client Sample ID: BH05@1'

Date Collected: 09/13/24 13:45 Date Received: 09/14/24 06:25

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			12318	AT	EET ALB	09/16/24 13:25
Total/NA	Analysis	8015D		1	12552	AT	EET ALB	09/18/24 21:50
Total/NA	Prep	5030C			12318	AT	EET ALB	09/16/24 13:25
Total/NA	Analysis	8021B		1	12556	AT	EET ALB	09/18/24 21:50
Total/NA	Prep	SHAKE			12395	EM	EET ALB	09/17/24 11:37
Total/NA	Analysis	8015D		1	12456	EM	EET ALB	09/18/24 17:14
Total/NA	Prep	300_Prep			12426	EH	EET ALB	09/17/24 16:05
Total/NA	Analysis	300.0		20	12410	EH	EET ALB	09/17/24 21:51

Client Sample ID: BH05@4'

Date Collected: 09/13/24 13:50 Date Received: 09/14/24 06:25

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			12318	AT	EET ALB	09/16/24 13:25
Total/NA	Analysis	8015D		1	12552	AT	EET ALB	09/18/24 22:12
Total/NA	Prep	5030C			12318	AT	EET ALB	09/16/24 13:25
Total/NA	Analysis	8021B		1	12556	AT	EET ALB	09/18/24 22:12
Total/NA	Prep	SHAKE			12395	EM	EET ALB	09/17/24 11:37
Total/NA	Analysis	8015D		1	12456	EM	EET ALB	09/18/24 17:25

Eurofins Albuquerque

7 8 9 10

Lab Sample ID: 885-11840-9 Matrix: Solid

Lab Sample ID: 885-11840-10

Lab Chronicle

Job ID: 885-11840-1

Lab Sample ID: 885-11840-10

or Analyzed	5
09/17/24 16:05	
09/17/24 22:37	
Lab Sample ID: 885-11840-11	
Matrix: Solid	
	8
Prepared	
an Amalyman	

Lab Sample ID: 885-11840-12

Lab Sample ID: 885-11840-13

Matrix: Solid

Matrix: Solid

Client: Ensolum LLC Project/Site: NWLU 131H

Client Sample ID: BH05@4' Date Collected: 09/13/24 13:50

Date Received: 09/14/24 06:25

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	300_Prep			12426	EH	EET ALB	09/17/24 16:05
Total/NA	Analysis	300.0		20	12410	EH	EET ALB	09/17/24 22:37

Client Sample ID: BH06@1'

Date Collected: 09/13/24 14:00 Date Received: 09/14/24 06:25

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			12318	AT	EET ALB	09/16/24 13:25
Total/NA	Analysis	8015D		1	12552	AT	EET ALB	09/18/24 22:33
Total/NA	Prep	5030C			12318	AT	EET ALB	09/16/24 13:25
Total/NA	Analysis	8021B		1	12556	AT	EET ALB	09/18/24 22:33
Total/NA	Prep	SHAKE			12395	EM	EET ALB	09/17/24 11:37
Total/NA	Analysis	8015D		1	12456	EM	EET ALB	09/18/24 17:35
Total/NA	Prep	300_Prep			12426	EH	EET ALB	09/17/24 16:05
Total/NA	Analysis	300.0		20	12410	EH	EET ALB	09/17/24 22:52

Client Sample ID: BH06@4' Date Collected: 09/13/24 14:10

Date Received: 09/14/24 06:25

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			12318	AT	EET ALB	09/16/24 13:25
Total/NA	Analysis	8015D		1	12552	AT	EET ALB	09/18/24 22:55
Total/NA	Prep	5030C			12318	AT	EET ALB	09/16/24 13:25
Total/NA	Analysis	8021B		1	12556	AT	EET ALB	09/18/24 22:55
Total/NA	Prep	SHAKE			12395	EM	EET ALB	09/17/24 11:37
Total/NA	Analysis	8015D		1	12456	EM	EET ALB	09/18/24 17:46
Total/NA	Prep	300_Prep			12426	EH	EET ALB	09/17/24 16:05
Total/NA	Analysis	300.0		20	12410	EH	EET ALB	09/17/24 23:07

Client Sample ID: BH07@1'

Date Collected: 09/13/24 14:15 Date Received: 09/14/24 06:25

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			12318	AT	EET ALB	09/16/24 13:34
Total/NA	Analysis	8015D		1	12552	AT	EET ALB	09/18/24 23:17
Total/NA	Prep	5030C			12318	AT	EET ALB	09/16/24 13:34
Total/NA	Analysis	8021B		1	12556	AT	EET ALB	09/18/24 23:17
Total/NA	Prep	SHAKE			12395	EM	EET ALB	09/17/24 11:37
Total/NA	Analysis	8015D		1	12456	EM	EET ALB	09/18/24 17:57
Total/NA	Prep	300_Prep			12426	EH	EET ALB	09/17/24 16:05
Total/NA	Analysis	300.0		20	12410	EH	EET ALB	09/17/24 23:22

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Lab Sample ID: 885-11840-14 Matrix: Solid

Date Collected: 09/13/24 14:20 Date Received: 09/14/24 06:25

Client Sample ID: BH07@4'

Client: Ensolum LLC

Project/Site: NWLU 131H

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			12318	AT	EET ALB	09/16/24 13:34
Total/NA	Analysis	8015D		1	12552	AT	EET ALB	09/18/24 23:39
Total/NA	Prep	5030C			12318	AT	EET ALB	09/16/24 13:34
Total/NA	Analysis	8021B		1	12556	AT	EET ALB	09/18/24 23:39
Total/NA	Prep	SHAKE			12395	EM	EET ALB	09/17/24 11:37
Total/NA	Analysis	8015D		1	12456	EM	EET ALB	09/18/24 18:08
Total/NA	Prep	300_Prep			12426	EH	EET ALB	09/17/24 16:05
Total/NA	Analysis	300.0		20	12410	EH	EET ALB	09/17/24 23:37

Lab Sample ID: 885-11840-15

Lab Sample ID: 885-11840-16

Lab Sample ID: 885-11840-17

Matrix: Solid

Matrix: Solid

5 6

8

Client Sample ID: BH08@1'

Date Collected: 09/13/24 14:30 Date Received: 09/14/24 06:25

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			12318	AT	EET ALB	09/16/24 13:34
Total/NA	Analysis	8015D		1	12552	AT	EET ALB	09/19/24 00:01
Total/NA	Prep	5030C			12318	AT	EET ALB	09/16/24 13:34
Total/NA	Analysis	8021B		1	12556	AT	EET ALB	09/19/24 00:01
Total/NA	Prep	SHAKE			12395	EM	EET ALB	09/17/24 11:37
Total/NA	Analysis	8015D		1	12456	EM	EET ALB	09/18/24 18:20
Total/NA	Prep	300_Prep			12426	EH	EET ALB	09/17/24 16:05
Total/NA	Analysis	300.0		20	12410	EH	EET ALB	09/17/24 23:52

Client Sample ID: BH08@4'

Date Collected: 09/13/24 14:35 Date Received: 09/14/24 06:25

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			12318	AT	EET ALB	09/16/24 13:34
Total/NA	Analysis	8015D		1	12552	AT	EET ALB	09/19/24 00:22
Total/NA	Prep	5030C			12318	AT	EET ALB	09/16/24 13:34
Total/NA	Analysis	8021B		1	12556	AT	EET ALB	09/19/24 00:22
Total/NA	Prep	SHAKE			12395	EM	EET ALB	09/17/24 11:37
Total/NA	Analysis	8015D		1	12456	EM	EET ALB	09/18/24 18:31
Total/NA	Prep	300_Prep			12426	EH	EET ALB	09/17/24 16:05
Total/NA	Analysis	300.0		20	12410	EH	EET ALB	09/18/24 00:08

Client Sample ID: BH09@1'

Date Collected: 09/13/24 14:40 Date Received: 09/14/24 06:25

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			12318	AT	EET ALB	09/16/24 13:34
Total/NA	Analysis	8015D		1	12552	AT	EET ALB	09/19/24 00:44

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Job ID: 885-11840-1

Client: Ensolum LLC Project/Site: NWLU 131H

Client Sample ID: BH09@1' Date Collected: 09/13/24 14:40

Date Received: 09/14/24 06:25

	Batch	Batch		Dilution	Batch			Prepared	
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed	
Total/NA	Prep	5030C			12318	AT	EET ALB	09/16/24 13:34	
Total/NA	Analysis	8021B		1	12556	AT	EET ALB	09/19/24 00:44	
Total/NA	Prep	SHAKE			12395	EM	EET ALB	09/17/24 11:37	
Total/NA	Analysis	8015D		1	12456	EM	EET ALB	09/18/24 18:42	
Total/NA	Prep	300_Prep			12426	EH	EET ALB	09/17/24 16:05	
Total/NA	Analysis	300.0		20	12410	EH	EET ALB	09/18/24 00:23	

Client Sample ID: BH09@4' Date Collected: 09/13/24 14:45

Date Received: 09/14/24 06:25

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			12318	AT	EET ALB	09/16/24 13:34
Total/NA	Analysis	8015D		1	12552	AT	EET ALB	09/19/24 01:06
Total/NA	Prep	5030C			12318	AT	EET ALB	09/16/24 13:34
Total/NA	Analysis	8021B		1	12556	AT	EET ALB	09/19/24 01:06
Total/NA	Prep	SHAKE			12395	EM	EET ALB	09/17/24 11:37
Total/NA	Analysis	8015D		1	12456	EM	EET ALB	09/18/24 19:04
Total/NA	Prep	300_Prep			12453	EH	EET ALB	09/18/24 09:25
Total/NA	Analysis	300.0		20	12612	EH	EET ALB	09/19/24 10:39

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Lab Sample ID: 885-11840-17

Lab Sample ID: 885-11840-18

Matrix: Solid

Matrix: Solid

Eurofins Albuquerque

Accreditation/Certification Summary

Client: Ensolum LLC Project/Site: NWLU 131H Job ID: 885-11840-1

Laboratory: Eurofins Albuquerque

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

hority	Prog	ram	Identification Number	Expiration Date
/ Mexico	State		NM9425, NM0901	02-26-25
The following analytes	are included in this report, b	ut the laboratory is not certi	fied by the governing authority. This lis	t may include analyte
for which the agency d	oes not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte	
300.0	300_Prep	Solid	Chloride	
8015D	5030C	Solid	Gasoline Range Organics	[C6 - C10]
8015D	SHAKE	Solid	Diesel Range Organics [C	10-C28]
8015D	SHAKE	Solid	Motor Oil Range Organics	[C28-C40]
8021B	5030C	Solid	Benzene	
8021B	5030C	Solid	Ethylbenzene	
8021B	5030C	Solid	Toluene	
8021B	5030C	Solid	Xylenes, Total	
gon	NELA	AP	NM100001	02-26-25

Eurofins Albuquerque

Released to Imaging: 12/23/2024 1:17:34 PM

Received by OCD: 11/22/2024		Page 61 of 110
HALL ENVIRONME HALL ENVIRONME ANALYSIS LABOR www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 8710 Tel. 505-345-3975 Fax 505-345-4107 Tel. 505-345-3975 Fax 505-345-4107	TPH:8015D(GRO / DRO / MRO) 8081 Pesticides/8082 PCB's EDB (Method 504.1) RCRA 8 Metals (C) F, Br, HO ₃ , HO ₂ , PO ₄ , SO ₄ 8260 (VOA) 8270 (Semi-VOA) Total Coliform (Present/Absent)	X X X X X X X X X X X X X X X X X X X
Turn-Around Time: Sdos MStandard Bush Project Name: NWLU 131 H Project #:	Project Manager: Denny Burns Sampler: D B/AL On Ice: VYes No 400; # of Coolers: 1,4+0.3 :: 1.3 (°C) Container Preservative HEAL No.	Cool I I Z Cool Z Via: Counter Date Time Na: Counter Date Time Na: Counter Date Time Vis: Counter Date Time Social Algorithms serves as notice of this
dy Record	or Fax#: blow พณ ยิยงปนเากฎ C Package: เeSowrceS. com andard I Level 4 (Full Validation) ditation: Az Compliance ELAC Other D (Type) Time Matrix Sample Name	Sol L Refinduishe Refinduishe Refinduishe

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Z	RATOR		109	7																1							Any sub-contracted data will be clearly notated on the analytical report.
ENVIRONME	LABORA	www.hallenvironmental.com	Albuquerque, NM 87109	Fax 505-345-4107	lest	(ìn	iəsdA\	tuə	Pres) w	lifor	oD let	оТ	_		_											ted on the a
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Time:	I Rush	Y				ager:		111	V /H L	×	Cooler Temp(including CF): i H	Preservative	Type	(00)	_			/	7					-	Viaj	Via:Couner	accredited laboratories.
I urn-Around / Ime:	A Standard	Project Name:		Project #:		Project Manager:	A	4	Sampler: V	# of Coolers:	Cooler Temp	Container	Type and #	204-1				4	\sum						Received by:	Received by:	contracted to other
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-of-Cu	ou i man)											Matrix	190	-				*						Relinquished by:	Relinqu	v. samples sub
Chain			Mailing Address:		#:	email or Fax#:	QA/QC Package:		Accreditation:				<u>-</u>	-	1420	1430	1435	0441	SHHI						 Time:	Time:	If necessary
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Released to Imaging: 12/23/2024 1:17:34 PM

Job Number: 885-11840-1

List Source: Eurofins Albuquerque

Login Sample Receipt Checklist

Client: Ensolum LLC

Login Number: 11840 List Number: 1

Creator: Casarrubias, Tracy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of	True	

TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.

Eurofins Albuquerque Released to Imaging: 12/23/2024 1:17:34 PM Received by OCD: 11/22/2024 10:27:28 AM



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Danny Burns Ensolum LLC 776 E 2nd Avenue Durango, Colorado 81301 Generated 10/16/2024 1:49:14 PM

JOB DESCRIPTION

NW Lybrook 131 H

JOB NUMBER

885-13404-1

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Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109





Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

(505)345-3975

Authorized for release by Catherine Upton, Project Manager Catherine.upton@et.eurofinsus.com Generated 10/16/2024 1:49:14 PM

Laboratory Job ID: 885-13404-1

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Definitions/Glossary

Client: Ensolum LLC Project/Site: NW Lybrook 131 H

RL

RPD TEF

TEQ TNTC Job ID: 885-13404-1

Glossary		3
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	A
%R	Percent Recovery	
CFL	Contains Free Liquid	5
CFU	Colony Forming Unit	J
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)	8
EDL	Estimated Detection Limit (Dioxin)	
LOD	Limit of Detection (DoD/DOE)	9
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)	

Reporting Limit or Requested Limit (Radiochemistry)

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

Too Numerous To Count

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

Case Narrative

Job ID: 885-13404-1

Job ID: 885-13404-1

Eurofins Albuquerque

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885-13404-1

Job Narrative 885-13404-1

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

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

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

Receipt

The samples were received on 10/9/2024 6:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.4°C.

Gasoline Range Organics

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

GC VOA

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

Diesel Range Organics

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

Client: Ensolum LLC Project/Site: NW Lybrook 131 H

Client Sample ID: BH10-1 Date Collected: 10/07/24 11:40 Date Received: 10/09/24 06:40

Method: SW846 8015D - Gaso	line Range	Organics	(GRO) (GC)	
Analyte	Result	Qualifier	RL	Unit
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg
Surrogate	%Recovery	Qualifier	Limits	
4-Bromofluorobenzene (Surr)	111		35 - 166	

4-Bromofluorobenzene (Surr)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		10/09/24 12:14	10/11/24 23:09	1
Ethylbenzene	ND		0.050	mg/Kg		10/09/24 12:14	10/11/24 23:09	1
Toluene	ND		0.050	mg/Kg		10/09/24 12:14	10/11/24 23:09	1
Xylenes, Total	ND		0.099	mg/Kg		10/09/24 12:14	10/11/24 23:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		48 - 145			10/09/24 12:14	10/11/24 23:09	1
Method: SW846 8015D - Die	sel Range Or	ganics (DF						
Analyte	-	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Disasl Banga Organica (C10 C29)			0 0	malka		10/00/24 17:19	10/10/24 12:20	

Analyte	Result Qualifier	RL	Unit	D Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	8.8	mg/Kg	10/09/24 17:18	10/10/24 13:20	1
Motor Oil Range Organics [C28-C40]	ND	44	mg/Kg	10/09/24 17:18	10/10/24 13:20	1
Surrogate	%Recovery Qualifier	Limits		Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	83	62 - 134		10/09/24 17:18	10/10/24 13:20	1

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Job ID: 885-13404-1

Analyzed

Analyzed

Lab Sample ID: 885-13404-1

10/09/24 12:14 10/11/24 23:09

10/09/24 12:14 10/11/24 23:09

D

Prepared

Prepared

Matrix: Solid

Dil Fac

Dil Fac

1

RL

4.9

RL

0.024

0.049

0.049

0.098

Limits

35 - 166

Unit

Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

D

D

Prepared

10/09/24 12:14

Prepared

Prepared

Client: Ensolum LLC Project/Site: NW Lybrook 131 H

Client Sample ID: BH10-4 Date Collected: 10/07/24 11:40 Date Received: 10/09/24 06:40

Gasoline Range Organics [C6 - C10]

4-Bromofluorobenzene (Surr)

Analyte

Surrogate

Analyte

Benzene

Toluene

Ethylbenzene

Xylenes, Total

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

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

Result Qualifier

Result Qualifier

Qualifier

ND

110

ND

ND

ND

ND

%Recovery

Surrogate 4-Bromofluorobenzene (Surr)	%Recovery Q 102	 Limits 48 - 145		Prepared 10/09/24 12:14	Analyzed
Method: SW846 8015D - Dies Analyte	el Range Orga Result Q	 (<mark>GC)</mark> RL	Unit D	Prepared	Analvzed

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		10/09/24 17:18	10/10/24 13:31	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		10/09/24 17:18	10/10/24 13:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	84		62 - 134			10/09/24 17:18	10/10/24 13:31	1

Eurofins Albuquerque

Job ID: 885-13404-1

Lab Sample ID: 885-13404-2 Matrix: Solid

10/09/24 12:14 10/11/24 23:31

10/09/24 12:14 10/11/24 23:31

10/09/24 12:14 10/11/24 23:31

10/09/24 12:14 10/11/24 23:31

10/09/24 12:14 10/11/24 23:31

Analyzed

10/11/24 23:31

Analyzed

Analyzed

Dil Fac

Dil Fac

Dil Fac

Dil Fac

1

RL

4.9

RL

0.024

0.049

0.049

0.097

RL

9.5

47

Limits

Limits

62 - 134

48 - 145

Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

Unit

mg/Kg

mg/Kg

Limits

35 - 166

Client: Ensolum LLC Project/Site: NW Lybrook 131 H

Client Sample ID: BH11-1 Date Collected: 10/07/24 12:00 Date Received: 10/09/24 06:40

Gasoline Range Organics [C6 - C10]

4-Bromofluorobenzene (Surr)

4-Bromofluorobenzene (Surr)

Diesel Range Organics [C10-C28]

Di-n-octyl phthalate (Surr)

Motor Oil Range Organics [C28-C40]

Analyte

Surrogate

Analyte

Benzene

Toluene

Ethylbenzene

Xylenes, Total

Surrogate

Analyte

Surrogate

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

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

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

Result Qualifier

Result Qualifier

Qualifier

ND

113

ND

ND

ND

ND

%Recovery Qualifier

Result Qualifier

Qualifier

107

ND

ND

100

%Recovery

%Recovery

Eurofins Albuquerque

	L	ab Sample	e ID: 885-13 Matrix	404-3 :: Solid	
_ Unit mg/Kg	D	Prepared 10/10/24 12:12	Analyzed	Dil Fac	

Prepared

Prepared

Prepared

Prepared

10/10/24 16:13

Prepared

D

D

Page 71 of 110

Job ID: 885-13404-1

Analyzed

Analyzed

Analyzed

Analyzed

10/14/24 15:18

Analyzed

10/10/24 12:12 10/12/24 01:19

10/10/24 12:12 10/12/24 01:19

10/10/24 12:12 10/12/24 01:19

10/10/24 12:12 10/12/24 01:19

10/10/24 12:12 10/12/24 01:19

10/10/24 12:12 10/12/24 01:19

10/10/24 16:13 10/14/24 15:18

10/10/24 16:13 10/14/24 15:18

Dil Fac

Dil Fac

Dil Fac

Dil Fac

Dil Fac

1

1

1

1

Client: Ensolum LLC Project/Site: NW Lybrook 131 H

Client Sample ID: BH11-4 Date Collected: 10/07/24 12:00 Date Received: 10/09/24 06:40

Job I	D:	885-1	3404-1	

Lab Sample ID: 885-13404-4

Matrix: Solid

5

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Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		10/10/24 12:12	10/12/24 02:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		35 - 166			10/10/24 12:12	10/12/24 02:24	1
Method: SW846 8021B - Volati	ile Organic	Compoun	ds (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		10/10/24 12:12	10/12/24 02:24	1
Ethylbenzene	ND		0.048	mg/Kg		10/10/24 12:12	10/12/24 02:24	
Toluene	ND		0.048	mg/Kg		10/10/24 12:12	10/12/24 02:24	
Xylenes, Total	ND		0.096	mg/Kg		10/10/24 12:12	10/12/24 02:24	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	104		48 - 145			10/10/24 12:12	10/12/24 02:24	
Method: SW846 8015D - Diese	I Range Or	ganics (DF	RO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Diesel Range Organics [C10-C28]	9.9		9.6	mg/Kg		10/10/24 16:13	10/14/24 15:30	
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		10/10/24 16:13	10/14/24 15:30	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa

Eurofins Albuquerque

Released to Imaging: 12/23/2024 1:17:34 PM
Client Sample Results

Client: Ensolum LLC Project/Site: NW Lybrook 131 H

Client Sample ID: BH12-1 Date Collected: 10/07/24 12:30 Date Received: 10/09/24 06:40

Eurofins Albuquerque

Job ID: 885-13404-1

Lab Sample ID: 885-13404-5

Matrix: Solid

Analyte	line Range	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
-		Quaimer						DIFAC
Gasoline Range Organics [C6 - C10]	ND		4.8	mg/Kg		10/10/24 12:12	10/12/24 03:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		35 - 166			10/10/24 12:12	10/12/24 03:29	1
Method: SW846 8021B - Volati	ile Organic	Compound	ds (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		10/10/24 12:12	10/12/24 03:29	1
Ethylbenzene	ND		0.048	mg/Kg		10/10/24 12:12	10/12/24 03:29	1
Toluene	ND		0.048	mg/Kg		10/10/24 12:12	10/12/24 03:29	1
Xylenes, Total	ND		0.096	mg/Kg		10/10/24 12:12	10/12/24 03:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		48 - 145			10/10/24 12:12	10/12/24 03:29	1
Method: SW846 8015D - Diese	el Range Or	ganics (DF	RO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	200		9.7	mg/Kg		10/10/24 16:13	10/14/24 15:42	1
Motor Oil Range Organics	160		48	mg/Kg		10/10/24 16:13	10/14/24 15:42	1
[C28-C40]								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Surroyale	,							

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5

Client Sample Results

Client: Ensolum LLC Project/Site: NW Lybrook 131 H

Client Sample ID: BH12-4 Date Collected: 10/07/24 12:30 Date Received: 10/09/24 06:40

Released to Imaging: 12/23/2024 1:17:34 PM	Released to Imaging	: 12/23/2024	1:17:34 PM
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Job ID: 885-13404-1

Lab Sample ID: 885-13404-6

Matrix: Solid

5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		10/10/24 12:12	10/12/24 03:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		35 - 166			10/10/24 12:12	10/12/24 03:51	1
Method: SW846 8021B - Volat	ile Organic	Compoun	ds (GC)					
Analyte	-	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		10/10/24 12:12	10/12/24 03:51	1
Ethylbenzene	ND		0.049	mg/Kg		10/10/24 12:12	10/12/24 03:51	1
Toluene	ND		0.049	mg/Kg		10/10/24 12:12	10/12/24 03:51	1
Xylenes, Total	ND		0.098	mg/Kg		10/10/24 12:12	10/12/24 03:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		48 - 145			10/10/24 12:12	10/12/24 03:51	1
Method: SW846 8015D - Diese	el Range Or	ganics (DF	RO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	34		9.3	mg/Kg		10/10/24 16:13	10/14/24 15:55	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		10/10/24 16:13	10/14/24 15:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			10/10/24 16:13	10/14/24 15:55	1

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10/16/2024

QC Sample Results

Client: Ensolum LLC Project/Site: NW Lybrook 131 H Page 75 of 110

5 6 7

Job ID: 885-13404-1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-139	974/1-A							Clie		ole ID: Metho	
Matrix: Solid Analysis Batch: 14199										Prep Type: T Prep Batch	
Analyta		MB MB sult Qualifier	RL		Unit		D	Б	ropored	Applyzod	Dil Fa
Analyte Gasoline Range Organics [C6 - C10		ND Quaimer	KL 5.0		mg/K		_		repared 9/24 12:14	Analyzed 10/11/24 14:07	- DII Fa
			0.0		mg/rt	9		10/0	0/21 12.11	10/11/21 11:01	
O urse and to		MB MB	1 : :4					_		Ameluned	
Surrogate 4-Bromofluorobenzene (Surr)		ery Qualifier	Limits 35 - 166						repared	Analyzed 10/11/24 14:07	Dil Fa
		110	55 - 766					10/0	5/24 12.14	10/11/24 14:01	
Lab Sample ID: LCS 885-13	974/2-A					Clie	ent	Sai	mple ID:	Lab Control	Sample
Matrix: Solid										Prep Type: T	
Analysis Batch: 14199										Prep Batch	: 1397
Amelyte			Spike		LCS	11		-		%Rec	
Analyte			Added	27.1	Qualifier	Unit mg/Kg		D	<u>%Rec</u>	Limits	
Gasoline Range Organics [C6 - C10]			25.0	27.1		шу/ку			100	70 - 130	
	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	222		35 - 166								
Lab Sample ID: MB 885-140 Matrix: Solid Analysis Batch: 14200)70/1-A							Clie		ole ID: Metho Prep Type: T Prep Batch	otal/N
		MB MB									
Analyte		ult Qualifier			Unit		D		repared	Analyzed	Dil Fa
Gasoline Range Organics [C6 - C10]	ND	5.0		mg/K	g		10/1	0/24 12:12	10/12/24 00:57	
		MB MB									
Surrogate		ery Qualifier							repared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)		108	35 - 166					10/1	0/24 12:12	10/12/24 00:57	
Lab Sample ID: LCS 885-14 Matrix: Solid	070/2-A					Clie	nt	Sai		Lab Control Prep Type: T	
Analysis Batch: 14200										Prep Batch	: 1407
			Spike	-	LCS					%Rec	
Analyte			Added		Qualifier	Unit		D	%Rec	Limits	
Gasoline Range Organics [C6 - C10]			25.0	28.5		mg/Kg			114	70 - 130	
	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	214		35 - 166								
Lab Sample ID: 885-13404- Matrix: Solid	3 MS									t Sample ID: Prep Type: T	
Analysis Batch: 14200										Prep Batch	
	Sample	Sample	Spike	MS	MS					%Rec	
Analyte	Result		Added		Qualifier	Unit		D	%Rec	Limits	
Gasoline Range Organics [C6 - C10]	ND		24.1	28.8		mg/Kg		·	120	70 - 130	
	MS										
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	225		35 - 166								

Lab Sample ID: 885-13404-3 MSD

QC Sample Results

Spike

MSD MSD

Method: 8015D - Gasoline Range Organics (GRO) (GC) (Continued)

Sample Sample

Client: Ensolum LLC Project/Site: NW Lybrook 131 H

Matrix: Solid

Analysis Batch: 14200

Job ID: 885-13404-1

Prep Type: Total/NA

Prep Batch: 14070

Client Sample ID: BH11-1

%Rec

6

RPD

	Sample	Jan	ihie	Spike	MSD	MSD					%Rec	RPD
Analyte	Result	Qua	alifier	Added	Result	Qualifier	Unit		D	%Rec	Limits RPI) Limi
Gasoline Range Organics [C6 -	ND			24.2	26.9		mg/Kg		_	111	70 - 130	7 20
C10]												
	MSD	MS	ח									
Surrogate	%Recovery			Limits								
4-Bromofluorobenzene (Surr)	228			35 - 166								
lethod: 8021B - Volat	ile Organio	: C	ompou	nds (GC)								
Lab Sample ID: MB 885-1	3974/1-4								Clic	nt Samn	ole ID: Method	Blank
Matrix: Solid	557 - /1-A								Cile		Prep Type: T	
Analysis Batch: 14201											Prep Batch	
		ΜВ	МВ								riep batch	. 1557-
Analyte	Re	sult		RL		Unit		D	Р	repared	Analyzed	Dil Fa
Benzene		ND	quanner	0.025		<u>mg/K</u>	'n	_			10/11/24 14:07	Birru
Ethylbenzene		ND		0.050		mg/K	-				10/11/24 14:07	
Toluene		ND		0.050		mg/K mg/K	-				10/11/24 14:07	
Xylenes, Total		ND		0.000		mg/K mg/K					10/11/24 14:07	
				0.10		iiig/it			. 5/ 0	, E 1 1 E 1 T		
			MB									
Surrogate	%Reco	-	Qualifier	Limits						repared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)		104		48 - 145					10/0	9/24 12:14	10/11/24 14:07	
ah Sample ID: I CS 995	12074/2 4						C 11	+	800		Lab Control	Somel
Lab Sample ID: LCS 885-	13974/3-A						CI	ent	Sai			
Matrix: Solid											Prep Type: T	
Analysis Batch: 14201				Cuilto	1.00	LCS					Prep Batch %Rec	: 13974
Analyta				Spike Added	-	Qualifier	Unit		D	%Rec	Limits	
Analyte	·			1.00	0.970	Quaimer			_		70 - 130	
Conzono					0.970		mg/Kg mg/Kg			97 97	70 - 130	
							mg/ng			97	10-130	
Ethylbenzene				1.00						05		
Ethylbenzene n,p-Xylene				2.00	1.90		mg/Kg			95	70 - 130	
Ethylbenzene m,p-Xylene p-Xylene				2.00 1.00	1.90 0.944		mg/Kg mg/Kg			94	70 - 130 70 - 130	
Ethylbenzene n,p-Xylene p-Xylene Toluene				2.00 1.00 1.00	1.90 0.944 0.956		mg/Kg mg/Kg mg/Kg			94 96	70 - 130 70 - 130 70 - 130	
Ethylbenzene m,p-Xylene o-Xylene Toluene				2.00 1.00	1.90 0.944		mg/Kg mg/Kg			94	70 - 130 70 - 130	
Ethylbenzene m,p-Xylene o-Xylene Toluene	LCS	LCS	3	2.00 1.00 1.00	1.90 0.944 0.956		mg/Kg mg/Kg mg/Kg			94 96	70 - 130 70 - 130 70 - 130	
Ethylbenzene m,p-Xylene o-Xylene Toluene Xylenes, Total	LCS %Recovery			2.00 1.00 1.00	1.90 0.944 0.956		mg/Kg mg/Kg mg/Kg			94 96	70 - 130 70 - 130 70 - 130	
Ethylbenzene n,p-Xylene Xylene foluene Kylenes, Total Surrogate				2.00 1.00 1.00 3.00	1.90 0.944 0.956		mg/Kg mg/Kg mg/Kg			94 96	70 - 130 70 - 130 70 - 130	
Ethylbenzene m,p-Xylene o-Xylene Toluene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr)	%Recovery 107			2.00 1.00 1.00 3.00 <i>Limits</i>	1.90 0.944 0.956		mg/Kg mg/Kg mg/Kg		<u> </u>	94 96 95	70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	
Ethylbenzene m,p-Xylene Toluene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: MB 885-1	%Recovery 107			2.00 1.00 1.00 3.00 <i>Limits</i>	1.90 0.944 0.956		mg/Kg mg/Kg mg/Kg		Clie	94 96 95 ent Samp	70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	
Ethylbenzene n.p-Xylene o-Xylene foluene Kylenes, Total Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: MB 885-1 Matrix: Solid	%Recovery 107			2.00 1.00 1.00 3.00 <i>Limits</i>	1.90 0.944 0.956		mg/Kg mg/Kg mg/Kg		Clie	94 96 95 ent Samp	70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	otal/NA
Ethylbenzene m,p-Xylene o-Xylene Toluene Xylenes, Total <i>Surrogate</i> 4-Bromofluorobenzene (Surr) Lab Sample ID: MB 885-1 Matrix: Solid	%Recovery 107	Qua	alifier	2.00 1.00 1.00 3.00 <i>Limits</i>	1.90 0.944 0.956		mg/Kg mg/Kg mg/Kg		Clie	94 96 95 ent Samp	70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	otal/NA
Ethylbenzene n,p-Xylene Joluene Kylenes, Total Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: MB 885-1 Matrix: Solid Analysis Batch: 14202	- <u>%Recovery</u> 107 4070/1-A	Qua MB	nlifier	2.00 1.00 3.00 <i>Limits</i> 48 - 145	1.90 0.944 0.956	11-12	mg/Kg mg/Kg mg/Kg			94 96 95	70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 Ple ID: Method Prep Type: T Prep Batch	otal/N/ : 1407(
Ethylbenzene n,p-Xylene Foluene Kylenes, Total Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: MB 885-1 Matrix: Solid Analysis Batch: 14202 Analyte	- <u>%Recovery</u> 107 4070/1-A	Qua MB sult	alifier	2.00 1.00 3.00 <i>Limits</i> 48 - 145	1.90 0.944 0.956	Unit	mg/Kg mg/Kg mg/Kg mg/Kg	D	P	94 96 95 ent Samp	70 - 130 70 - 130 70 - 130 70 - 130 90e ID: Method Prep Type: T Prep Batch Analyzed	otal/N/ : 1407(
Ethylbenzene n,p-Xylene Foluene Kylenes, Total <i>Surrogate</i> <i>4-Bromofluorobenzene (Surr)</i> Lab Sample ID: MB 885-1 Matrix: Solid Analysis Batch: 14202 Analyte Benzene	- <u>%Recovery</u> 107 4070/1-A	Qua MB sult ND	nlifier	2.00 1.00 1.00 3.00 Limits 48 - 145 	1.90 0.944 0.956	mg/K	mg/Kg mg/Kg mg/Kg mg/Kg	D	P 10/1	94 96 95 ent Samp repared 0/24 12:12	70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 ble ID: Method Prep Type: T Prep Batch <u>Analyzed</u> 10/12/24 00:57	otal/NA : 1407(Dil Fac
Ethylbenzene n,p-Xylene Joluene Kylenes, Total Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: MB 885-1 Matrix: Solid Analysis Batch: 14202 Analyte Benzene Ethylbenzene	- <u>%Recovery</u> 107 4070/1-A	Qua MB sult ND ND	nlifier	2.00 1.00 1.00 3.00 Limits 48 - 145 RL 0.025 0.050	1.90 0.944 0.956	mg/K mg/K	mg/Kg mg/Kg mg/Kg mg/Kg g	<u>D</u>	P 10/1 10/1	94 96 95 ent Samp repared 0/24 12:12 0/24 12:12	70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 Piel ID: Method Prep Type: T Prep Batch Analyzed 10/12/24 00:57 10/12/24 00:57	otal/N/ : 1407(Dil Fa
Ethylbenzene n,p-Xylene Foluene Kylenes, Total Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: MB 885-1 Matrix: Solid Analysis Batch: 14202 Analyte Benzene Ethylbenzene Foluene	- <u>%Recovery</u> 107 4070/1-A	Qua MB sult ND ND	nlifier	2.00 1.00 1.00 3.00 Limits 48 - 145 RL 0.025 0.050 0.050	1.90 0.944 0.956	mg/K mg/K mg/K	mg/Kg mg/Kg mg/Kg mg/Kg g g g	D	P 10/1 10/1 10/1	94 96 95 ent Samp 0/24 12:12 0/24 12:12 0/24 12:12	70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 Die ID: Method Prep Type: T Prep Batch Analyzed 10/12/24 00:57 10/12/24 00:57 10/12/24 00:57	otal/NA : 1407(Dil Fa
Ethylbenzene m,p-Xylene Toluene Xylenes, Total <i>Surrogate</i> <i>4-Bromofluorobenzene (Surr)</i> Lab Sample ID: MB 885-1 Matrix: Solid Analysis Batch: 14202 Analyte Benzene Ethylbenzene Toluene	- <u>%Recovery</u> 107 4070/1-A	Qua MB sult ND ND	nlifier	2.00 1.00 1.00 3.00 Limits 48 - 145 RL 0.025 0.050	1.90 0.944 0.956	mg/K mg/K	mg/Kg mg/Kg mg/Kg mg/Kg g g g	D	P 10/1 10/1 10/1	94 96 95 ent Samp 0/24 12:12 0/24 12:12 0/24 12:12	70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 Piel ID: Method Prep Type: T Prep Batch Analyzed 10/12/24 00:57 10/12/24 00:57	otal/NA : 1407(Dil Fa
Ethylbenzene m,p-Xylene o-Xylene Toluene Xylenes, Total <i>Surrogate</i> <i>4-Bromofluorobenzene (Surr)</i> Lab Sample ID: MB 885-1 Matrix: Solid Analysis Batch: 14202 Analyte Benzene Ethylbenzene Toluene	- <u>%Recovery</u> 107 4070/1-A	Quaa MB sult ND ND ND	nlifier	2.00 1.00 1.00 3.00 Limits 48 - 145 RL 0.025 0.050 0.050	1.90 0.944 0.956	mg/K mg/K mg/K	mg/Kg mg/Kg mg/Kg mg/Kg g g g	D	P 10/1 10/1 10/1	94 96 95 ent Samp 0/24 12:12 0/24 12:12 0/24 12:12	70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 Piel ID: Method Prep Type: T Prep Batch Analyzed 10/12/24 00:57 10/12/24 00:57 10/12/24 00:57	otal/NA
Benzene Ethylbenzene m,p-Xylene o-Xylene Toluene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: MB 885-1 Matrix: Solid Analysis Batch: 14202 Analyte Benzene Ethylbenzene Toluene Xylenes, Total Surrogate	- <u>%Recovery</u> 107 4070/1-A Re	Qua MB sult ND ND ND ND ND	MB Qualifier	2.00 1.00 1.00 3.00 Limits 48 - 145 RL 0.025 0.050 0.050	1.90 0.944 0.956	mg/K mg/K mg/K	mg/Kg mg/Kg mg/Kg mg/Kg g g g	D	P 10/1 10/1 10/1 10/1	94 96 95 ent Samp 0/24 12:12 0/24 12:12 0/24 12:12	70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 Piel ID: Method Prep Type: T Prep Batch Analyzed 10/12/24 00:57 10/12/24 00:57 10/12/24 00:57	otal/NA : 14070 Dil Fac

Eurofins Albuquerque

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QC Sample Results

Client: Ensolum LLC Project/Site: NW Lybrook 131 H

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: LCS 885-14070/3-A Matrix: Solid Analysis Batch: 14202				Clier	ıt Saı	mple ID	: Lab Control Sample Prep Type: Total/NA Prep Batch: 14070
	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	1.00	1.06		mg/Kg		106	70 - 130
Ethylbenzene	1.00	1.05		mg/Kg		105	70 - 130
m,p-Xylene	2.00	2.08		mg/Kg		104	70 - 130
o-Xylene	1.00	1.04		mg/Kg		104	70 - 130
Toluene	1.00	1.07		mg/Kg		107	70 - 130
Xylenes, Total	3.00	3.12		mg/Kg		104	70 - 130
LCS LCS							

	203	203	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		48 - 145

Lab Sample ID: 885-13404-4 MS Matrix: Solid Analysis Batch: 14202

Analysis Batch: 14202									Prep Ba	atch: 14070
-	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	ND		0.955	1.06		mg/Kg		111	70 - 130	
Ethylbenzene	ND		0.955	1.07		mg/Kg		112	70 - 130	
m,p-Xylene	ND		1.91	2.12		mg/Kg		111	70 - 130	
o-Xylene	ND		0.955	1.06		mg/Kg		111	70 - 130	
Toluene	ND		0.955	1.08		mg/Kg		113	70 - 130	
Xylenes, Total	ND		2.87	3.17		mg/Kg		111	70 - 130	
	MS	MS								

Limits 48 - 145

Surrogate	%Recovery	Qualifier
4-Bromofluorobenzene (Surr)	108	

Lab Sample ID: 885-13404-4 MSD Matrix: Solid line to Details 4 4000

Analysis Batch: 14202									Prep E	Batch: 1	4070
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	ND		0.961	1.07		mg/Kg		111	70 - 130	0	20
Ethylbenzene	ND		0.961	1.08		mg/Kg		112	70 - 130	1	20
m,p-Xylene	ND		1.92	2.14		mg/Kg		111	70 - 130	1	20
o-Xylene	ND		0.961	1.06		mg/Kg		111	70 - 130	1	20
Toluene	ND		0.961	1.07		mg/Kg		111	70 - 130	1	20
Xylenes, Total	ND		2.88	3.20		mg/Kg		111	70 - 130	1	20
	MSD	MSD									

Surrogate 4-Bromofluorobenzene (Surr)

%Recovery Qualifier Limits 106

48 - 145

Method: 8015D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-14026/1-4 Matrix: Solid Analysis Batch: 14051							le ID: Method Prep Type: To Prep Batch:	otal/NA
	MB	MB						
Analyte Diesel Range Organics [C10-C28]	Result ND	Qualifier	RL 10	<mark>Unit</mark>	<u>D</u>	Prepared 10/09/24 17:18	Analyzed 10/10/24 12:16	Dil Fac

Job ID: 885-13404-1

Client Sample ID: BH11-4

Client Sample ID: BH11-4

Prep Type: Total/NA

Prep Type: Total/NA

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lient: Ensolum LLC		QC	Sampl	e Resi	ults				Ich ID: 005 1	2404 1
roject/Site: NW Lybrook 131 I	Н								Job ID: 885-1	5404-1
lethod: 8015D - Diesel	Range Org	anics (E	ORO) (G	C) (Con	tinued)					·
Lab Sample ID: MB 885-140	26/1-A						Clier	nt Samp	ole ID: Method	Blank
Matrix: Solid									Prep Type: To	
Analysis Batch: 14051									Prep Batch	: 14026
		B MB				_				
Analyte Motor Oil Range Organics [C28-C40]		t Qualifier		RL 50				epared /24 17:18	Analyzed 10/10/24 12:16	Dil Fac
Motor Oli Range Organics [C26-C40]	J ND	1		50	mg/K	g	10/09	/24 17:10	10/10/24 12:16	I
	MB	B MB								
Surrogate	%Recovery		Limits					epared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	87	,	62 - 13	34			10/09	/24 17:18	10/10/24 12:16	1
Lab Sample ID: LCS 885-14	026/2-A					Clie	nt Sam	nple ID:	Lab Control S	Sample
Matrix: Solid						0.00			Prep Type: To	
Analysis Batch: 14051									Prep Batch	
-			Spike	LCS	LCS				%Rec	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Diesel Range Organics [C10-C28]			50.0	42.1		mg/Kg		84	60 - 135	
	LCS LC	S								
Surrogate	%Recovery Qu	alifier	Limits							
Di-n-octyl phthalate (Surr)	86		62 - 134							
Lab Sample ID: MB 885-140	90/1_0						Clio	at Samr	ole ID: Method	Rlank
Matrix: Solid	30/1-A						Ollei	n Samp	Prep Type: To	
Analysis Batch: 14214									Prep Batch	
· · · · · · · · · · · · · · · · · · ·	MB	MB								
Analyte	Result	t Qualifier		RL	Unit	[D Pre	epared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	i		10	mg/K	g	10/10	/24 16:13	10/14/24 14:54	1
Motor Oil Range Organics [C28-C40]] ND)		50	mg/K	g	10/10	/24 16:13	10/14/24 14:54	1
	MB	B MB								
Surrogate	%Recovery	Qualifier	Limits	5			Pre	epared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	96	;	62 - 13	34			10/10	V24 16:13	10/14/24 14:54	1
Lab Sample ID: LCS 885-14	000/2 0					Clie	nt Sam		Lab Control S	Sampla
Matrix: Solid	03012 - A					Cilei	ni Jall		Prep Type: To	
Analysis Batch: 14214									Prep Batch	
			Spike	LCS	LCS				%Rec	
Analyte			Added		Qualifier	Unit	D	%Rec	Limits	
Diesel Range Organics			50.0	36.3		mg/Kg		73	60 - 135	
IC10 C201										
[C10-C28]										
[U10-020]	LCS LC	s								
Surrogate	LCS LC %Recovery Qu		Limits							

QC Association Summary

Client: Ensolum LLC Project/Site: NW Lybrook 131 H

GC VOA

Prep Batch: 13974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13404-1	BH10-1	Total/NA	Solid	5030C	
885-13404-2	BH10-4	Total/NA	Solid	5030C	
MB 885-13974/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-13974/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-13974/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Prep Batch: 14070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13404-3	BH11-1	Total/NA	Solid	5030C	
885-13404-4	BH11-4	Total/NA	Solid	5030C	
885-13404-5	BH12-1	Total/NA	Solid	5030C	
885-13404-6	BH12-4	Total/NA	Solid	5030C	
MB 885-14070/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-14070/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-14070/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-13404-3 MS	BH11-1	Total/NA	Solid	5030C	
885-13404-3 MSD	BH11-1	Total/NA	Solid	5030C	
885-13404-4 MS	BH11-4	Total/NA	Solid	5030C	
885-13404-4 MSD	BH11-4	Total/NA	Solid	5030C	

Analysis Batch: 14199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13404-1	BH10-1	Total/NA	Solid	8015D	13974
885-13404-2	BH10-4	Total/NA	Solid	8015D	13974
MB 885-13974/1-A	Method Blank	Total/NA	Solid	8015D	13974
LCS 885-13974/2-A	Lab Control Sample	Total/NA	Solid	8015D	13974

Analysis Batch: 14200

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
885-13404-3	BH11-1	Total/NA	Solid	8015D	14070
885-13404-4	BH11-4	Total/NA	Solid	8015D	14070
885-13404-5	BH12-1	Total/NA	Solid	8015D	14070
885-13404-6	BH12-4	Total/NA	Solid	8015D	14070
MB 885-14070/1-A	Method Blank	Total/NA	Solid	8015D	14070
LCS 885-14070/2-A	Lab Control Sample	Total/NA	Solid	8015D	14070
885-13404-3 MS	BH11-1	Total/NA	Solid	8015D	14070
885-13404-3 MSD	BH11-1	Total/NA	Solid	8015D	14070

Analysis Batch: 14201

Lab Sample ID 885-13404-1	Client Sample ID BH10-1	Prep Type Total/NA	Matrix Solid	Method 8021B	Prep Batch 13974
885-13404-2	BH10-4	Total/NA	Solid	8021B	13974
MB 885-13974/1-A	Method Blank	Total/NA	Solid	8021B	13974
LCS 885-13974/3-A	Lab Control Sample	Total/NA	Solid	8021B	13974

Analysis Batch: 14202

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
885-13404-3	BH11-1	Total/NA	Solid	8021B	14070
885-13404-4	BH11-4	Total/NA	Solid	8021B	14070
885-13404-5	BH12-1	Total/NA	Solid	8021B	14070
885-13404-6	BH12-4	Total/NA	Solid	8021B	14070

QC Association Summary

Client: Ensolum LLC Project/Site: NW Lybrook 131 H

GC VOA (Continued)

Analysis Batch: 14202 (Continued)

Lab Sample ID MB 885-14070/1-A	Client Sample ID Method Blank	Prep Type Total/NA	Matrix Solid	Method 8021B	Prep Batch14070
LCS 885-14070/3-A	Lab Control Sample	Total/NA	Solid	8021B	14070
885-13404-4 MS	BH11-4	Total/NA	Solid	8021B	14070
885-13404-4 MSD	BH11-4	Total/NA	Solid	8021B	14070

GC Semi VOA

Prep Batch: 14026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13404-1	BH10-1	Total/NA	Solid	SHAKE	
885-13404-2	BH10-4	Total/NA	Solid	SHAKE	
MB 885-14026/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-14026/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 14051

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13404-1	BH10-1	Total/NA	Solid	8015D	14026
885-13404-2	BH10-4	Total/NA	Solid	8015D	14026
MB 885-14026/1-A	Method Blank	Total/NA	Solid	8015D	14026
LCS 885-14026/2-A	Lab Control Sample	Total/NA	Solid	8015D	14026

Prep Batch: 14090

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13404-3	BH11-1	Total/NA	Solid	SHAKE	
885-13404-4	BH11-4	Total/NA	Solid	SHAKE	
885-13404-5	BH12-1	Total/NA	Solid	SHAKE	
885-13404-6	BH12-4	Total/NA	Solid	SHAKE	
MB 885-14090/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-14090/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 14214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13404-3	BH11-1	Total/NA	Solid	8015D	14090
885-13404-4	BH11-4	Total/NA	Solid	8015D	14090
885-13404-5	BH12-1	Total/NA	Solid	8015D	14090
885-13404-6	BH12-4	Total/NA	Solid	8015D	14090
MB 885-14090/1-A	Method Blank	Total/NA	Solid	8015D	14090
LCS 885-14090/2-A	Lab Control Sample	Total/NA	Solid	8015D	14090

Job ID: 885-13404-1

Job ID: 885-13404-1

Lab Sample ID: 885-13404-1

Matrix: Solid

Client Sample ID: BH10-1 Date Collected: 10/07/24 11:40 Date Received: 10/09/24 06:40

Project/Site: NW Lybrook 131 H

Client: Ensolum LLC

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			13974	AT	EET ALB	10/09/24 12:14
Total/NA	Analysis	8015D		1	14199	AT	EET ALB	10/11/24 23:09
Total/NA	Prep	5030C			13974	AT	EET ALB	10/09/24 12:14
Total/NA	Analysis	8021B		1	14201	AT	EET ALB	10/11/24 23:09
Total/NA	Prep	SHAKE			14026	KR	EET ALB	10/09/24 17:18
Total/NA	Analysis	8015D		1	14051	KR	EET ALB	10/10/24 13:20
Client Sam	ple ID: BH	10-4					Lat	o Sample ID: 885-13404-2

Client Sample ID: BH10-4 Date Collected: 10/07/24 11:40 Date Received: 10/09/24 06:40

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			13974	AT	EET ALB	10/09/24 12:14
Total/NA	Analysis	8015D		1	14199	AT	EET ALB	10/11/24 23:31
Total/NA	Prep	5030C			13974	AT	EET ALB	10/09/24 12:14
Total/NA	Analysis	8021B		1	14201	AT	EET ALB	10/11/24 23:31
Total/NA	Prep	SHAKE			14026	KR	EET ALB	10/09/24 17:18
Total/NA	Analysis	8015D		1	14051	KR	EET ALB	10/10/24 13:31

Client Sample ID: BH11-1 Date Collected: 10/07/24 12:00 Date Received: 10/09/24 06:40

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			14070	JP	EET ALB	10/10/24 12:12
Total/NA	Analysis	8015D		1	14200	AT	EET ALB	10/12/24 01:19
Total/NA	Prep	5030C			14070	JP	EET ALB	10/10/24 12:12
Total/NA	Analysis	8021B		1	14202	AT	EET ALB	10/12/24 01:19
Total/NA	Prep	SHAKE			14090	EM	EET ALB	10/10/24 16:13
Total/NA	Analysis	8015D		1	14214	EM	EET ALB	10/14/24 15:18

Client Sample ID: BH11-4 Date Collected: 10/07/24 12:00 Date Received: 10/09/24 06:40

_	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			14070	JP	EET ALB	10/10/24 12:12
Total/NA	Analysis	8015D		1	14200	AT	EET ALB	10/12/24 02:24
Total/NA	Prep	5030C			14070	JP	EET ALB	10/10/24 12:12
Total/NA	Analysis	8021B		1	14202	AT	EET ALB	10/12/24 02:24
Total/NA	Prep	SHAKE			14090	EM	EET ALB	10/10/24 16:13
Total/NA	Analysis	8015D		1	14214	EM	EET ALB	10/14/24 15:30

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Matrix: Solid

Lab Sample ID: 885-13404-3 Matrix: Solid

Lab Sample ID: 885-13404-4

10/10/24 13:31

Matrix: Solid

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Job ID: 885-13404-1

Client Sample ID: BH12-1 Date Collected: 10/07/24 12:30 Date Received: 10/09/24 06:40

Project/Site: NW Lybrook 131 H

Client: Ensolum LLC

	Batch	Batch		Dilution	Batch			Prepared	
Prep Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed	
otal/NA	Prep	5030C			14070	JP	EET ALB	10/10/24 12:12	
otal/NA	Analysis	8015D		1	14200	AT	EET ALB	10/12/24 03:29	
otal/NA	Prep	5030C			14070	JP	EET ALB	10/10/24 12:12	
otal/NA	Analysis	8021B		1	14202	AT	EET ALB	10/12/24 03:29	
otal/NA	Prep	SHAKE			14090	EM	EET ALB	10/10/24 16:13	
otal/NA	Analysis	8015D		1	14214	EM	EET ALB	10/14/24 15:42	

Client Sample ID: BH12-4 Date Collected: 10/07/24 12:30 Date Received: 10/09/24 06:40

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5030C			14070	JP	EET ALB	10/10/24 12:12
Total/NA	Analysis	8015D		1	14200	AT	EET ALB	10/12/24 03:51
Total/NA	Prep	5030C			14070	JP	EET ALB	10/10/24 12:12
Total/NA	Analysis	8021B		1	14202	AT	EET ALB	10/12/24 03:51
Total/NA	Prep	SHAKE			14090	EM	EET ALB	10/10/24 16:13
Total/NA	Analysis	8015D		1	14214	EM	EET ALB	10/14/24 15:55

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Lab Sample ID: 885-13404-5 Matrix: Solid

Matrix: Solid

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Accreditation/Certification Summary

Client: Ensolum LLC Project/Site: NW Lybrook 131 H Job ID: 885-13404-1

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

Authority	Progr	am	Identification Number	Expiration Date	
New Mexico	State		NM9425, NM0901	02-26-25	
The following analyte	s are included in this repo	ort, but the laboratory is r	not certified by the governing author	ity. This list may include analytes	
for which the agency	does not offer certificatior	1.			
Analysis Method	Prep Method	Matrix	Analyte		
8015D	5030C	Solid	Gasoline Range Organics [C6 - C10]		
8015D	SHAKE	Solid	Diesel Range Organics [C10-C28]		
8015D	SHAKE	Solid	Motor Oil Range Organic	cs [C28-C40]	
8021B	5030C	Solid	Benzene		
8021B	5030C	Solid	Ethylbenzene		
8021B	5030C	Solid	Toluene		
8021B	5030C	Solid	Xylenes, Total		
Oregon	NELA	P	NM100001	02-26-25	

ceived by OCD: 11/22/202		Page 84 of 1
MET DRA 87109 07		
ALL ENVIRON NALYSIS LABC www.hallenvironmental.com ins NE - Albuquerque, NM 15-3975 Fax 505-345-41 Analysis Request	8250 (Semi-VOA) 8260 (VOA)	Q CUTO UNIT. Cu
	PAHs by 8310 or 8270SIMS RCRA 8 Metals	a humerun konn vsub-contracted data
ANAL ANAL www.h: 4901 Hawkins NE Tel. 505-345-3975	EDB (Method 504.1) EDB (Method 504.1)	S: a la un d burns a stant
	TPH:8015E(GRO / DRO / MRO	Remarks:
HI	□ No YAA	$\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{5}$ $\frac{1}$
Time: Rush Phaole 131H	11 tive	Via:Condited laboratories
Turn-Around Time: Asstandard [Project Name: NM Lybro Project #:	Project Manager: D. BWWS Sampler: A. Laure On Ice: A Yes # of Coolers: 1 Cooler Temp(metuding cF): Container Preserva Type and # Type	Received by:
Chain-of-Custody Record ^{t:} באלערושק Rasen resh ng Address: e #:	blowware radware cource successes	Ind Sail BHI0-1 1140 Sail BH10-4 1200 Sail BH11-4 1200 Sail BH12-1 1230 Sail BH12-1 1230 Sail BH12-1 1230 Sail BH2-4 1230 Sail BH2-4 1231 BH2-4 Branch 1300 Sail BH2-4 1310 Filinguished by: Received by: 1314 Time: Relinquished by: 1314 Filinguished by: Received by: 1314 Time: Relinquished by: 1314 Filinguished by: Received by: 1314 Filinguished by: Received by:
hain-of-Custody	DIoWMAAG End Clevel Az Compliance Other Matrix Sample	Soil BH10 Soil BH10 Soil BH11 Soil BH12 Soil BH12 Soil BH12 Soil BH12 Relinquished by: Relinquished by: Relinquished by:
Client: Chain-C Client: Colucity Mailing Address: Phone #:	or Fax#: C Package: andard editation: ELAC DD (Type)	
Hone to Imaging: 12/23/2	Pa	age 21 of 23

Login Sample Receipt Checklist

Client: Ensolum LLC

sampling.

Login Number: 13404 List Number: 1 Creator: Casarrubias, Tracy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of	N/A	

Job Number: 885-13404-1

List Source: Eurofins Albuquerque

11

Received by OCD: 11/22/2024 10:27:28 AM



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Danny Burns Ensolum LLC 776 E 2nd Avenue Durango, Colorado 81301 Generated 10/21/2024 4:23:55 PM

JOB DESCRIPTION

NW Lybrook 131 H

JOB NUMBER

885-13404-2

Page 87 of 110

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109





Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

(505)345-3975

Authorized for release by Catherine Upton, Project Manager Catherine.upton@et.eurofinsus.com Generated 10/21/2024 4:23:55 PM

Released to Imaging: 12/23/2024 1:17:34 PM

Laboratory Job ID: 885-13404-2

2 3

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QC Sample Results	12
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Chain of Custody	16
Receipt Checklists	17

Method Detection Limit Minimum Level (Dioxin)

Most Probable Number

Not Calculated

Negative / Absent

Positive / Present Practical Quantitation Limit

Presumptive Quality Control

Method Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

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

Minimum Detectable Concentration (Radiochemistry)

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

Definitions/Glossary

Client: Ensolum LLC Project/Site: NW Lybrook 131 H

Glossary Abbreviation

÷Ö

%R

CFL

CFU

CNF

DER

DLC

EDL

LOD

LOQ MCL

MDA

MDC

MDL

MQL

NC

ND

NEG

POS

PQL PRES

QC RER

RL

RPD

TEF

TEQ

TNTC

ML MPN

Dil Fac DL

DL, RA, RE, IN

n LLC	Job ID: 885-13404-2	
N Lybrook 131 H		
		3
These commonly used abbreviations may or may not be present in this report.		0
Listed under the "D" column to designate that the result is reported on a dry weight basis		Δ
Percent Recovery		
Contains Free Liquid		5
Colony Forming Unit		
Contains No Free Liquid		6
Duplicate Error Ratio (normalized absolute difference)		0
Dilution Factor		7
Detection Limit (DoD/DOE)		
Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample		
Decision Level Concentration (Radiochemistry)		ŏ
Estimated Detection Limit (Dioxin)		
Limit of Detection (DoD/DOE)		9
Limit of Quantitation (DoD/DOE)		
EPA recommended "Maximum Contaminant Level"		
Minimum Detectable Activity (Radiochemistry)		
Minimum Detectable Concentration (Radiochemistry)		

Case Narrative

Job ID: 885-13404-2

Client: Ensolum LLC Project: NW Lybrook 131 H

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Job ID: 885-13404-2

Eurofins Albuquerque

Job Narrative 885-13404-2

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

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

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

Receipt

The samples were received on 10/9/2024 6:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.4°C.

HPLC/IC

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

		Client	Sample Res	ults					
Client: Ensolum LLC Project/Site: NW Lybrook 131 H							Job ID: 885-	13404-2	
Client Sample ID: BH10-1 Date Collected: 10/07/24 11:40						Lab Sam	ple ID: 885-1 Matri	3404-1 x: Solid	
Date Received: 10/09/24 06:40									
Method: EPA 300.0 - Anions, Ion Cl Analyte		hy Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	5
Chloride	ND		60	mg/Kg		10/17/24 16:08	10/18/24 00:25	20	6
									8
									9

		Client	Sample Res	sults					
Client: Ensolum LLC Project/Site: NW Lybrook 131 H							Job ID: 885-	13404-2	
Client Sample ID: BH10-4 Date Collected: 10/07/24 11:40 Date Received: 10/09/24 06:40						Lab Sam	ple ID: 885-1 Matri	3404-2 ix: Solid	
Method: EPA 300.0 - Anions, Ion C	bromatogran	hv							4
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	5
Chloride	ND		60	mg/Kg		10/17/24 16:08	10/18/24 00:56	20	6
									8
									9

		Client	Sample Res	sults					
Client: Ensolum LLC Project/Site: NW Lybrook 131 H							Job ID: 885-	13404-2	
Client Sample ID: BH11-1 Date Collected: 10/07/24 12:00 Date Received: 10/09/24 06:40						Lab Sam	ple ID: 885-1 Matri	3404-3 x: Solid	
Method: EPA 300.0 - Anions, Ion C	bromatograp	hu							4
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	5
Chloride	ND		60	mg/Kg		10/17/24 16:08	10/18/24 01:06	20	6
									8
									9

		Client	Sample Res	ults					
Client: Ensolum LLC Project/Site: NW Lybrook 131 H							Job ID: 885-	13404-2	2
Client Sample ID: BH11-4 Date Collected: 10/07/24 12:00 Date Received: 10/09/24 06:40						Lab Sam	ple ID: 885-1 Matri	3404-4 ix: Solid	
Method: EPA 300.0 - Anions, Ion C	hromatograr	by							4
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	5
Chloride	ND		60	mg/Kg		10/17/24 16:08	10/18/24 01:17	20	6
									8
									9

Client Sample Results Client: Ensolum LLC Job ID: 885-13404-2 Project/Site: NW Lybrook 131 H Client Sample ID: BH12-1 Lab Sample ID: 885-13404-5 Date Collected: 10/07/24 12:30 Matrix: Solid Date Received: 10/09/24 06:40 Method: EPA 300.0 - Anions, Ion Chromatography 5 Analyte Result Qualifier RL Unit D Dil Fac Prepared Analyzed Chloride 60 mg/Kg 10/17/24 16:08 10/18/24 01:48 110 20

		Client	Sample Res	ults					
Client: Ensolum LLC Project/Site: NW Lybrook 131 H							Job ID: 885-	13404-2	2
Client Sample ID: BH12-4 Date Collected: 10/07/24 12:30 Date Received: 10/09/24 06:40						Lab Sam	ple ID: 885-1 Matri	3404-6 x: Solid	
Method: EPA 300.0 - Anions, Ion C	bromotogran								4
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	5
Chloride	ND		60	mg/Kg		10/17/24 16:08	10/18/24 01:58	20	6
									8
									9

Method: 300.0 - Anions, Ion Chromatography

QC Sample Results

MRL MRL

LCS LCS

0.515

Result Qualifier

Unit

mg/L

Unit

mg/Kg

D

D

%Rec

Prepared

10/17/24 16:08

103

Spike

Added

0.500

Spike

MB MB Result Qualifier

ND

Job ID: 885-13404-2

Client: Ensolum LLC Project/Site: NW Lybrook 131 H

Matrix: Solid

Matrix: Solid

Matrix: Solid

Analyte

Chloride

Analyte

Chloride

Analysis Batch: 14482

Analysis Batch: 14482

Analysis Batch: 14482

Lab Sample ID: MRL 885-14482/3

Lab Sample ID: MB 885-14503/1-A

Lab Sample ID: LCS 885-14503/2-A

Client Sample ID: Lab Control Sample Prep Type: Total/NA 50 - 150

Dil Fac

1

5
6
8
9

Client	Sample	ID: Lab Control Sample
		Prep Type: Total/NA
		Prep Batch: 14503
		%Rec
D	%Rec	Limits

%Rec

Limits

Client Sample ID: Method Blank

Analyzed

10/18/24 00:04

Prep Type: Total/NA

Prep Batch: 14503

Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits
Chloride			30.0	27.5		mg/Kg		92	90 - 110
 Lab Sample ID: 885-13404-1 MS								c	Client Sample ID: BH10-1
Matrix: Solid									Prep Type: Total/NA
Analysis Batch: 14482									Prep Batch: 14503
-	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Chloride	ND		29.9	ND		mg/Kg		NC	50 - 150

RL

3.0

Lab Sample ID. 005-15404-A-1							Chefit a	pampie i	D. 005-15	404-/4-1-6	
Matrix: Solid									Prep	Type: To	tal/NA
Analysis Batch: 14482									Pre	p Batch:	14503
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	ND		29.8	ND		mg/Kg					

QC Association Summary

Client: Ensolum LLC Project/Site: NW Lybrook 131 H Job ID: 885-13404-2

HPLC/IC

Analysis Batch: 14482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13404-1	BH10-1	Total/NA	Solid	300.0	14503
885-13404-2	BH10-4	Total/NA	Solid	300.0	14503
885-13404-3	BH11-1	Total/NA	Solid	300.0	14503
885-13404-4	BH11-4	Total/NA	Solid	300.0	14503
885-13404-5	BH12-1	Total/NA	Solid	300.0	14503
885-13404-6	BH12-4	Total/NA	Solid	300.0	14503
MB 885-14503/1-A	Method Blank	Total/NA	Solid	300.0	14503
LCS 885-14503/2-A	Lab Control Sample	Total/NA	Solid	300.0	14503
MRL 885-14482/3	Lab Control Sample	Total/NA	Solid	300.0	
885-13404-1 MS	BH10-1	Total/NA	Solid	300.0	14503
885-13404-A-1-E MSD	885-13404-A-1-E MSD	Total/NA	Solid	300.0	14503
rep Batch: 14503					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13404-1	BH10-1	Total/NA	Solid	300 Prep	

885-13404-1	BH10-1	Total/NA	Solid	300_Prep	
885-13404-2	BH10-4	Total/NA	Solid	300_Prep	
885-13404-3	BH11-1	Total/NA	Solid	300_Prep	
885-13404-4	BH11-4	Total/NA	Solid	300_Prep	
885-13404-5	BH12-1	Total/NA	Solid	300_Prep	
885-13404-6	BH12-4	Total/NA	Solid	300_Prep	
MB 885-14503/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-14503/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-13404-1 MS	BH10-1	Total/NA	Solid	300_Prep	
885-13404-A-1-E MSD	885-13404-A-1-E MSD	Total/NA	Solid	300_Prep	

Eurofins Albuquerque

Released to Imaging: 12/23/2024 1:17:34 PM

Lab	Chro	nicle
LUN	U	

	/ Lybrook 131 H	•							
lient Sampl	e ID: BH10-	1						Lab Sample I	D: 885-13404-1
Date Collected:	10/07/24 11:40	0						-	Matrix: Solid
Date Received:	10/09/24 06:40)							
_	Potob	Batch		Dilution	Batch			Droporod	
Prep Type	Batch Type	Method	Run	Factor		Analyst	Lab	Prepared or Analyzed	
Total/NA	Prep		<u>Nun</u>		14503	EH	EET ALB	<u>10/17/24 16:08</u>	
Total/NA	Analysis	300.0		20	14482		EET ALB	10/18/24 00:25	
-		-							
Client Sampl								Lab Sample IL	D: 885-13404-2
Date Collected:		-							Matrix: Solid
Date Received:	10/09/24 06:40)							
-	Batch	Batch		Dilution	Batch			Prepared	
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed	
Total/NA	Prep				14503	EH	EET ALB	10/17/24 16:08	
Total/NA	Analysis	300.0		20	14482	EH	EET ALB	10/18/24 00:56	
 Client Sampl		1						Lah Samnla II	D: 885-13404-3
Date Collected:								Lan Sample is	Matrix: Solid
Date Collected: Date Received:									Watrix, Solid
	10/03/24 00.40	,							
	Batch	Batch		Dilution	Batch			Prepared	
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed	
Total/NA	Prep	300_Prep		_	14503	EH	EET ALB	10/17/24 16:08	
Total/NA	Analysis	300.0		20	14482	EH	EET ALB	10/18/24 01:06	
Client Sampl	e ID: BH11-4	1						Lab Sample I): 885-13404-4
								Lab Sample I	D: 885-13404-4 Matrix: Solid
Date Collected:	10/07/24 12:00	0						Lab Sample II	
Client Sample Date Collected: Date Received:	10/07/24 12:00 10/09/24 06:40	0 D							
Date Collected: Date Received:	10/07/24 12:00 10/09/24 06:40 Batch	0 D Batch		Dilution	Batch			Prepared	
Date Collected: Date Received: Prep Type	10/07/24 12:00 10/09/24 06:40 Batch Type	0 Batch Method	Run	Dilution Factor	Number	Analyst	Lab	Prepared or Analyzed	
Date Collected: Date Received: Prep Type Total/NA	10/07/24 12:00 10/09/24 06:40 Batch Type Prep	0 Batch Method 300_Prep	Run	Factor	Number 14503	EH	EET ALB	Prepared or Analyzed 10/17/24 16:08	
Date Collected: Date Received: Prep Type	10/07/24 12:00 10/09/24 06:40 Batch Type	0 Batch Method	Run		Number	EH		Prepared or Analyzed	
Date Collected: Date Received: Prep Type Total/NA	10/07/24 12:00 10/09/24 06:40 Batch Type Prep Analysis	0 Batch Method 300_Prep 300.0	Run	Factor	Number 14503	EH	EET ALB	Prepared or Analyzed 10/17/24 16:08 10/18/24 01:17	
Date Collected: Date Received: Prep Type Total/NA Total/NA Client Sample	10/07/24 12:00 10/09/24 06:40 Batch Type Prep Analysis e ID: BH12-*	0 Batch Method 300_Prep 300.0	Run	Factor	Number 14503	EH	EET ALB	Prepared or Analyzed 10/17/24 16:08 10/18/24 01:17	Matrix: Solid
Date Collected: Date Received: Prep Type Total/NA Total/NA Client Sample Date Collected:	10/07/24 12:00 10/09/24 06:40 Batch Type Prep Analysis e ID: BH12-* 10/07/24 12:30	0 Batch Method 300_Prep 300.0	Run	Factor	Number 14503	EH	EET ALB	Prepared or Analyzed 10/17/24 16:08 10/18/24 01:17	Matrix: Solid
Date Collected: Date Received: Prep Type Total/NA Total/NA Client Sample Date Collected:	10/07/24 12:00 10/09/24 06:40 Batch Type Prep Analysis e ID: BH12-' 10/07/24 12:30 10/09/24 06:40	0 0 Batch Method 300_Prep 300.0 1 0	Run	Factor 20	Number 14503 14482	EH	EET ALB	Prepared or Analyzed 10/17/24 16:08 10/18/24 01:17 Lab Sample IC	Matrix: Solid
Date Collected: Date Received: Prep Type Total/NA Total/NA Client Sample Date Collected: Date Received:	10/07/24 12:00 10/09/24 06:40 Batch Type Prep Analysis e ID: BH12 10/07/24 12:30 10/09/24 06:40 Batch	0 0 Batch Method 300_Prep 300.0 1 0 Batch		20	Number 14503 14482 Batch	EH	EET ALB EET ALB	Prepared or Analyzed 10/17/24 16:08 10/18/24 01:17 Lab Sample IC	Matrix: Solid
Date Collected: Date Received: Prep Type Total/NA Total/NA Client Sample Date Collected: Date Received: Prep Type	10/07/24 12:00 10/09/24 06:40 Batch Type Prep Analysis e ID: BH12 10/07/24 12:30 10/09/24 06:40 Batch Type	0 Batch Method 300_Prep 300.0 1 0 Batch Method	Run	Factor 20	Number 14503 14482 Batch Number	EH EH	EET ALB EET ALB	Prepared or Analyzed 10/17/24 16:08 10/18/24 01:17 Lab Sample IC Prepared or Analyzed	Matrix: Solid
Date Collected: Date Received: Prep Type Total/NA Total/NA Client Sample Date Collected: Date Received: Prep Type Total/NA	10/07/24 12:00 10/09/24 06:40 Prep Analysis e ID: BH12-* 10/07/24 12:30 10/09/24 06:40 Batch Type Prep Prep	0 0 Batch Method 300_Prep 300.0 1 0 0 Batch Batch Method 300.0 300.0		Factor 20 Dilution Factor	Number 14503 14482 Batch Number 14503	EH EH Analyst EH	EET ALB EET ALB	Prepared or Analyzed 10/17/24 16:08 10/18/24 01:17 Lab Sample IC Prepared or Analyzed 10/17/24 16:08	Matrix: Solid
Date Collected: Date Received: Prep Type Total/NA Total/NA Client Sample Date Collected: Date Received: Prep Type Total/NA Total/NA	10/07/24 12:00 10/09/24 06:40 Prep Analysis e ID: BH12 10/07/24 12:30 10/09/24 06:40 Batch Type Prep Analysis	0 0 Batch Method 300_Prep 300.0 1 0 0 Batch Method 300_Prep 300.0		20	Number 14503 14482 Batch Number	EH EH Analyst EH	EET ALB EET ALB	Prepared or Analyzed 10/17/24 16:08 10/18/24 01:17 Lab Sample IC Prepared or Analyzed	Matrix: Solid
Date Collected: Date Received: Prep Type Total/NA Total/NA Client Sample Date Collected: Date Received: Prep Type Total/NA	10/07/24 12:00 10/09/24 06:40 Prep Analysis e ID: BH12 10/07/24 12:30 10/09/24 06:40 Batch Type Prep Analysis	0 0 Batch Method 300_Prep 300.0 1 0 0 Batch Method 300_Prep 300.0		Factor 20 Dilution Factor	Number 14503 14482 Batch Number 14503	EH EH Analyst EH	EET ALB EET ALB	Prepared or Analyzed 10/17/24 16:08 10/18/24 01:17 Lab Sample IC Prepared or Analyzed 10/17/24 16:08	Matrix: Solid
Date Collected: Date Received: Prep Type Total/NA Total/NA Client Sample Date Collected: Date Received: Prep Type Total/NA Total/NA	10/07/24 12:00 10/09/24 06:40 Prep Analysis e ID: BH12-* 10/07/24 12:30 10/09/24 06:40 Batch Type Prep Analysis e ID: BH12-*	0 Batch Method 300_Prep 300.0 1 0 0 Batch Method 300.0 1 0 0 Batch Method 300_Prep 300.0 4 4		Factor 20 Dilution Factor	Number 14503 14482 Batch Number 14503	EH EH Analyst EH	EET ALB EET ALB	Prepared or Analyzed 10/17/24 16:08 10/18/24 01:17 Lab Sample IC Prepared or Analyzed 10/17/24 16:08 10/18/24 01:48	Matrix: Solid D: 885-13404-5 Matrix: Solid D: 885-13404-6
Date Collected: Date Received: Prep Type Total/NA Total/NA Client Sample Date Collected: Date Received: Prep Type Total/NA Total/NA Total/NA	10/07/24 12:00 10/09/24 06:40 Batch Type Prep Analysis e ID: BH12-* 10/07/24 12:30 10/09/24 06:40 Batch Type Prep Analysis e ID: BH12-4 10/07/24 12:30	0 0 Batch Method 300_Prep 300.0 1 0 0 Batch Method 300_Prep 300.0 4 0		Factor 20 Dilution Factor	Number 14503 14482 Batch Number 14503	EH EH Analyst EH	EET ALB EET ALB	Prepared or Analyzed 10/17/24 16:08 10/18/24 01:17 Lab Sample IC Prepared or Analyzed 10/17/24 16:08 10/18/24 01:48	Matrix: Solid D: 885-13404-5 Matrix: Solid D: 885-13404-6
Date Collected: Date Received: Prep Type Total/NA Total/NA Client Sample Date Collected: Date Received: Prep Type Total/NA Total/NA Client Sample Date Collected:	10/07/24 12:00 10/09/24 06:40 Batch Type Prep Analysis e ID: BH12-* 10/07/24 12:30 10/09/24 06:40 Batch Type Prep Analysis e ID: BH12-* 10/07/24 12:30 10/07/24 06:40	0 D Batch Method 300_Prep 300.0 1 0 0 D Batch Method 300_Prep 300.0 4 0 0 D		Factor 20 Dilution Factor 20	Number 14503 14482 Batch Number 14503 14482	EH EH Analyst EH	EET ALB EET ALB	Prepared or Analyzed 10/17/24 16:08 10/18/24 01:17 Lab Sample IC Prepared or Analyzed 10/17/24 16:08 10/17/24 16:08 10/18/24 01:48 Lab Sample IC	Matrix: Solid D: 885-13404-5 Matrix: Solid D: 885-13404-6
Date Collected: Date Received: Prep Type Total/NA Total/NA Client Sample Date Collected: Date Received: Prep Type Total/NA Total/NA Client Sample Date Collected: Date Collected: Date Received:	10/07/24 12:00 10/09/24 06:40 Prep Analysis e ID: BH12 10/07/24 12:30 10/09/24 06:40 Batch Type Prep Analysis e ID: BH124 10/07/24 12:30 10/09/24 06:40 Batch	Batch Method 300_Prep 300.0 Batch Method 300.0 Batch Method 300_Prep 300.0 Batch Method 300_Prep 300.0 Batch Batch	Run	Pilution 20 Dilution 20 Dilution 20 Dilution	Number 14503 14482 Batch Number 14503 14482 Batch Batch Batch	EH EH EH EH EH EH	EET ALB EET ALB EET ALB EET ALB EET ALB	Prepared or Analyzed 10/17/24 16:08 10/18/24 01:17 Lab Sample IC Or Analyzed 10/17/24 16:08 10/17/24 16:08 10/17/24 16:08 10/18/24 01:48 Lab Sample IC Prepared Or Analyzed 10/18/24 01:48 Lab Sample IC Prepared	Matrix: Solid D: 885-13404-5 Matrix: Solid D: 885-13404-6
Date Collected: Date Received: Prep Type Total/NA Total/NA Client Sample Date Collected: Date Received: Prep Type Total/NA Total/NA Total/NA	10/07/24 12:00 10/09/24 06:40 Batch Type Prep Analysis e ID: BH12 10/07/24 12:30 10/09/24 06:40 Batch Type Prep Analysis e ID: BH12 10/07/24 12:30 10/07/24 06:40	0 D Batch Method 300_Prep 300.0 1 0 0 D Batch Method 300_Prep 300.0 4 0 0 D		Factor 20 Dilution Factor 20	Number 14503 14482 Batch Number 14503 14482 Batch Batch Batch	EH EH EH EH EH Analyst	EET ALB EET ALB	Prepared or Analyzed 10/17/24 16:08 10/18/24 01:17 Lab Sample IC Prepared or Analyzed 10/17/24 16:08 10/17/24 16:08 10/18/24 01:48 Lab Sample IC	Matrix: Solid

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Ensolum LLC Project/Site: NW Lybrook 131 H

Laboratory: Eurofins Albuquerque

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

Authority	Progr	am	Identification Number	Expiration Date
New Mexico	State		NM9425, NM0901	02-26-25
• ,	does not offer certification.	-	ied by the governing authority. This li	st may include analytes
Analysis Method	Prep Method	Matrix	Analvte	
Analysis Method 300.0	Prep Method 300_Prep	Matrix Solid	Analyte Chloride	

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Job ID: 885-13404-2

HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com kins NE - Albuquerque, NM 87109 345-3975 Fax 505-345-4107 Analysis Request		d on the analytical report.
All ENVIRONMENALYSIS LABOR/NALYSIS LABOR/www.hallenvironmental.comms NE - Albuquerque, NM 87109ns NE - Albuquerque, NM 871095-3975Fax 505-345-4107Analysis Request	RCRA 8 Metals 60, VOA) 8260 (VOA) 8270 (Semi-VOA)	C C C C C C C C C C C C C C C C C C C
HALL ANAL www.ha 4901 Hawkins NE Tel. 505-345-3975	TPH:8015B(GRO / DRO / MRO) 8081 Pesticides/8082 PCB's EDB (Method 504.1) PAHs by 8310 or 8270SIMS PAHs by 8.Motols	Res of a week
	BTEX MUSE / TMPS (8031)	this possibility. Am
andard a Rush et Name: NN Lybrook 131H et #:	Project Manager: D. Bwws sampler: A. Laurur on Ice: A Laurur o	IIII IIII Solid BHID-1 Ippearue Hope I X B <
Project Name: NN Lγbrov Project #:	Iation) D. Bwws Sampler: A. Low On Ice: A. Low Cooler Temp(Including Container Type and # Type	Received by:
e #:	Devolvance endound recource succession Level 4 (Full Validation) Az Compliance Other Other Matrix Sample Name 	BHIO-4 BHIO-4 BHIL-1 BHIZ-1 BHIZ-1 BHIZ-1 BHIZ-4 ed by: ed by: mitted to Hall Environmental may be sub
ddress:	Devywa	India Matrix Matrix Indo Soil BH Indo Soil BH I200 Soil BH I230 Soil BH I1280 Soil BH Inee: Relinquished by: Relinquished by: Inceessary. samples submitted Submitted
Client: Fadura Mailing Address: Phone #:	email or Fax#: QA/QC Package: Standard Accreditation: DEDD (Type) Date Time	2 7 8 3 3 3 7

Job Number: 885-13404-2

List Source: Eurofins Albuquerque

Login Sample Receipt Checklist

Client: Ensolum LLC

Login Number: 13404 List Number: 1

sampling.

Creator: Casarrubias, Tracy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of	N/A	

Eurofins Albuquerque Released to Imaging: 12/23/2024 1:17:34 PM

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QUESTIONS

Action 405195

Operator:	OGRID:
ENDURING RESOURCES, LLC	372286
6300 S Syracuse Way	Action Number:
Centennial, CO 80111	405195
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites			
Incident ID (n#)	nAPP2424159147		
Incident Name	NAPP2424159147 NW LYBROOK UNIT 131H @ 30-045-35507		
Incident Type	Produced Water Release		
Incident Status	Deferral Request Received		
Incident Well	[30-045-35507] NW LYBROOK UNIT #131H		
k			

Location of Release Source

Please	e answer all the questions in this group.	

Site Name	NW LYBROOK UNIT 131H
Date Release Discovered	08/25/2024
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.				
Incident Type	Produced Water Release			
Did this release result in a fire or is the result of a fire	No			
Did this release result in any injuries	No			
Has this release reached or does it have a reasonable probability of reaching a watercourse	Νο			
Has this release endangered or does it have a reasonable probability of endangering public health	No			
Has this release substantially damaged or will it substantially damage property or the environment	No			
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No			

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Tank (Any) Produced Water Released: 132 BBL Recovered: 132 BBL Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	RELEASE WAS IN LINED CONTAINMENT

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QUESTIONS, Page 2

Action 405195

	/ / N	
QUESTIONS	(continued)	

Operator:	OGRID:
ENDURING RESOURCES, LLC	372286
6300 S Syracuse Way	Action Number:
Centennial, CO 80111	405195
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response		
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.		
The source of the release has been stopped	True	
The impacted area has been secured to protect human health and the environment	True	
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True	
All free liquids and recoverable materials have been removed and managed appropriately	True	
If all the actions described above have not been undertaken, explain why	Not answered.	
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative or actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or		
local laws and/or regulations.		
I hereby agree and sign off to the above statement	Name: Heather Huntington Title: Permitting Tech Email: hhuntington@enduringresources.com Date: 09/06/2024	

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QUESTIONS (continued)

Operator:	OGRID:
ENDURING RESOURCES, LLC	372286
6300 S Syracuse Way	Action Number:
Centennial, CO 80111	405195
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release an	nd the following surface areas:
A continuously flowing watercourse or any other significant watercourse	Between 300 and 500 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between ½ and 1 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 300 and 500 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	None
A 100-year floodplain	Between 1000 (ft.) and ½ (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
Yes		
sociated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.		
Yes		
No		
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
860		
360		
204		
0.1		
0.1		
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC which includes the anticipated timelines for beginning and completing the remediation.		
08/25/2024		
11/04/2024		
08/25/2024		
0		
0		
400		
0		
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.		

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

QUESTIONS, Page 3

Action 405195

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QUESTIONS, Page 4

Action 405195

QUESTIONS (continued)	
Operator:	OGRID:
ENDURING RESOURCES, LLC	372286
6300 S Syracuse Way	Action Number:
Centennial, CO 80111	405195
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Remediation Plan (continued)

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate	/ reduce contaminants:
(Select all answers below that apply.)	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	ENVIROTECH [fSC0000000048]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efi which includes the anticipated timelines for beginning and completing the remediation.	forts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Heather Huntington Title: Permitting Tech Email: hhuntington@enduringresources.com

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

Date: 11/22/2024

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QUESTIONS, Page 5

Action 405195

QUESTIONS (continued)	
Operator:	OGRID:
ENDURING RESOURCES, LLC	372286
6300 S Syracuse Way	Action Number:
Centennial, CO 80111	405195
	Action Type:

[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of	the following items must be confirmed as part of any request for deferral of remediation.
Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	Multiple production tanks and flowlines. Enduring safety policy restricts soil disturbing activities within a 2- foot radius of any on-site, active production equipment.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	12.6
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	5
Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, the well or facility is plugged or abandoned, whichever comes first.	
Enter the facility ID (f#) on which this deferral should be granted	Not answered.
Enter the well API (30-) on which this deferral should be granted	30-045-35507 NW LYBROOK UNIT #131H
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed ef which includes the anticipated timelines for beginning and completing the remediation.	forts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Heather Huntington Title: Permitting Tech Email: hhuntington@enduringresources.com Date: 11/22/2024

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nservation Division	
0 S. St Francis Dr.	

QUESTIONS (continued) OGRID: Operator: ENDURING RESOURCES, LLC 372286 6300 S Syracuse Way Action Number: Centennial, CO 80111 405195 Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral) QUESTIONS Sampling Event Information Last sampling notification (C-141N) recorded {Unavailable.}

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.			
Requesting a remediation closure approval with this submission	No		

Action 405195

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CONDITIONS

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CONDITIONS

Action 405195

CONDITIONS

Operator:	OGRID:
ENDURING RESOURCES, LLC	372286
6300 S Syracuse Way	Action Number:
Centennial, CO 80111	405195
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

Created By	Condition	Condition Date
rhamlet	Enduring's deferral requests final remediation for (Incident Number NAPP2424159147) until final reclamation of the well pad or major construction, whichever comes first. Ensolum and Enduring do not believe deferment will result in imminent risk to human health, the environment, or groundwater. The areas requested for deferral are the impacted soil, which include BH3 and BH12 located under the lined containment, where remediation would require a major facility deconstruction. At this time, OCD approves this request. The Deferral Request and C-141 will be accepted for record and marked accordingly. The release will remain open in OCD database files and reflect an open environmental issue.	12/23/2024