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

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

)

Incident ID	NAPP2218940551
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Armstrong Energy Corporation	OGRID 1092
Contact Name Kyle Alpers	Contact Telephone 575-625-2222
	Incident # (assigned by OCD) nAPP2218940551
Contact mailing address PO Box 1973, Roswell, NM 88	3202

Location of Release Source

Latitude 32.942522

Longitude -103.304927

(NAD 83 in decimal degrees to 5 decimal places)

Site Name SV Kim Harris #003	Site Type Oil Well
Date Release Discovered 7/8/22	API# (if applicable) 30-025-33894

Unit Letter	Section	Township	Range	County
В	12	16S	36E	Lea

Surface Owner: State Federal Tribal Private (Name: Clayton Revocable Trust

Nature and Volume of Release

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

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls) 40 bbl	Volume Recovered (bbls) 0 bbl
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release Light wate	ning struck the produced water tank, causing r into the containment.	it to rupture and release 40 bbl of produced

ceivea by OCD: 12/2/202	22 11:34:15 AM State of New Mexico		Page 2 0
age 2 Oil Conservation Division	Incident ID	NAPP2218940551	
	Oil Conservation Division	District RP	
		Facility ID	
		Application ID	
Was this a major release as defined by 19.15.29.7(A) NMAC? ✓ Yes ☐ No	If YES, for what reason(s) does the responsible part Unauthorized release of a volume, excludir		

Initial Response

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

 \checkmark The source of the release has been stopped.

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

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

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

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

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name	Kyle	Alpers

Signature: Kyle Alpers

Date: 12/2/22

Title: VP Engineering

email: kalpers@aecnm.com

Telephone: 575-625-2222

OCD Only

Received by:

Date:

Received by OCD: 12/2/2022 11:34:15 AM Form C-141 State of New Mexico

Oil Conservation Division

	Page 3 of 8.
Incident ID	NAPP2218940551
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	>51 (ft bgs)
Did this release impact groundwater or surface water?	🗌 Yes 🕱 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🕅 No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🗴 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🛣 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	🗌 Yes 🛣 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	Yes X No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🕱 No
Are the lateral extents of the release within 300 feet of a wetland?	Yes X No
Are the lateral extents of the release overlying a subsurface mine?	Yes X No
Are the lateral extents of the release overlying an unstable area such as karst geology?	Yes X No
Are the lateral extents of the release within a 100-year floodplain?	Yes X No
Did the release impact areas not on an exploration, development, production, or storage site?	🗌 Yes 🕱 No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: Each of the following items must be included in the report.

- x Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- X Field data

Page 3

- $\mathbf{\overline{x}}$ Data table of soil contaminant concentration data
- \mathbf{X} Depth to water determination
- X Determination of water sources and significant watercourses within ¹/₂-mile of the lateral extents of the release
- **x** Boring or excavation logs
- A Photographs including date and GIS information
- X Topographic/Aerial maps
- X Laboratory data including chain of custody

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

	D: 12/2/2022 11:34:15 AM State of New Mexico		Incident ID	Page 4 of 83 NAPP2218940551
Page 4	Oil Conservation Division	L	District RP	
			Facility ID	
			Application ID	
regulations all op public health or t failed to adequate addition, OCD ac and/or regulation	hat the information given above is true and complete to the berators are required to report and/or file certain release no the environment. The acceptance of a C-141 report by the ely investigate and remediate contamination that pose a the cceptance of a C-141 report does not relieve the operator of the complete the operator of the complete the operator of the complete the operator of the complete the operator of the complete the operator of the complete the operator of the complete the operator of the complete the operator of the complete the operator of the complete the operator of the complete the operator of the complete the operator of the complete the operator of the complete the operator of the complete the complete the operator of the complete the complete the complete the operator of the complete the	otifications and perform OCD does not relieve reat to groundwater, su of responsibility for cor VP E Title:	a corrective actions for rele- the operator of liability shour face water, human health npliance with any other fee ngineering	ases which may endanger ould their operations have or the environment. In deral, state, or local laws
Signature:	Nyle Alpers	Date: 12/2/22		
email:	kalpers@aecnm.com	Telephone:	575-625-2222	
OCD Only Received by:	Jocelyn Harimon	Date:	12/06/2022	

Received by OCD: 12/2/2022 11:34:15 AM State of New Mexico

Oil Conservation Division

	Page 5 of 8	3
Incident ID	NAPP2218940551	
District RP		
Facility ID		
Application ID		

Closure

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

Closure Report Attachment Checklist: Each of the following items must be included in the closure report. x A scaled site and sampling diagram as described in 19.15.29.11 NMAC X Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection) Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling) \mathbf{x} Description of remediation activities I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete. _____ Title: ___ VP Eningeering Printed Name: Kyle Alpers
 Signature:
 Kyle Alpers
 Date:
 12/2/22

 email:
 kalpers@aecnm.com
 Telephone:
 575-625-2222

OCD Only

Received by: Jocelyn Harimon

Date: 12/06/2022

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by:	Jennifer Nobui	Date: 01/05/2023
Printed Name:J	ennifer Nobui	Title: Environmental Specialist A



November 30, 2022

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

Re: Closure Request Addendum SV Kim Harris #003 Incident Number nAPP2218940551 Lea County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Armstrong Energy Corporation (AEC), has prepared this *Closure Request Addendum* (*Addendum*) letter following a *Closure Request* report denial by the New Mexico Oil Conservation Division (NMOD) related to the SV Kim Harris #003 (Site), located in Unit B, Section 12, Township 16 South, Range 36 East, in Lea County, New Mexico (**Figure 1**). The purpose of this *Addendum* is to present the results of additional delineation activities completed to address the October 3, 2022 denial comments. AEC is submitting this Addendum for Incident Number nAPP2218940551 and requesting no further action (NFA).

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Lea County, New Mexico (32.942522° N, 103.304927° W) and is associated with oil and gas exploration and production operations on private land. **Figure 2** depicts the Site.

On July 8, 2022, lightning struck a produced water tank, causing a rupture in the tank and a release of 40 barrels (bbls) of produced water into the earthen secondary containment berm. Fluids were not able to be recovered. AEC notified the NMOCD of the release through the Notification of Release portal on July 8, 2022 and subsequently on a Release Notification Form C-141 (Form C-141). NMOCD assigned the release with Incident Number nAPP2218940551.

REMEDIATION SUMMARY

On July 26, 2022, Site assessment activities were conducted to evaluate the release based on information provided by Armstrong and visual observations during the assessment. The release was visually confirmed to be contained within the earthen secondary containment. Based on soil analytical results of samples collected within the earthen secondary containment, excavation of impacted soil appeared warranted. As a result, Ensolum oversaw the excavation and proper disposal of impacted soil on September 14, 2022. The total areal extent of the excavation was approximately 1,100 square feet in size and with total excavated depths ranging from 4 feet to 5 feet bgs, totaling approximately 280 cubic yards of impacted material removed from the Site. The impacted soil was properly disposed of at a New Mexico-permitted land farm.

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants 705 W. Wadley, Suite 210 | Midland, TX 78209 | ensolum.com Texas PG Firm No. 50588 | Texas PE Firm No. F-21843 SV Kim Harris #003

Based on initial delineation and follow-up excavation activities, and results of the confirmation soil samples, it appeared the remediation actions had been protective of human health, the environment, and groundwater and as such, AEC respectfully requested closure for Incident Number nAPP2218940551.

NMOCD CLOSURE REQUEST DENIAL

AEC submitted the *Closure Request* report on October 3, 2022 through the NMOCD web portal along with the Final Form C-141. Per the NMOCD's Permitting webpage, the closure request was denied for the following reason:

Sidewall samples need to be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. In addition, OCD is requesting shallow soil samples from location PH-04 at 0.5 and 2'. Please resubmit a revised Closure Request to the OCD portal by November 4, 2022.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

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

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH) Gasoline Range Organics (GRO) and TPH Diesel Range Organics (DRO) Combined: 1,500 mg/kg
- TPH: 2,500 mg/kg
- Chloride: 10,000 mg/kg

ADDITIONAL DELINEATION ACTIVITIES AND ANALYTICAL RESULTS

Based on language from NMOCD's October 2022 denial letter, AEC met with NMOCD to discuss additional Site activities required to be completed in order to achieve NFA. On November 7, 2022, AEC, NMOCD, and Ensolum met to discuss additional delineation data NMOCD wanted for NFA. As a result of the meeting and previous plans to complete delineation activities per the October 14, 2022 *Closure Request Denial Response* letter, Ensolum was onsite to complete soil sampling activities on October 28, 2022 and November 18, 2022. Ensolum collected the following lateral delineation pothole soil samples:

- PH08 located north of the release and just north of pothole sample PH04. Pothole PH08 was located at the pad boundary to verify the release did not extend off pad into the pasture to the north.
- PH09 located east of the excavation extent and at the pad boundary to verify the release did not
 extend off pad into the pasture to the east.
- PH10 located west of the excavation extent within the pad to help better define the release extent.

SV Kim Harris #003

- **E** E N S O L U M
- PH11 located east of the excavation extent, east of sidewall soil sample location SW04. This pothole
 was collected at the pad boundary to verify the release did not extend off pad into the pasture to the
 east.

Soil from the potholes were described on lithologic / soil sampling logs (Appendix A), which included field screening results for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride utilizing Hach[®] chloride QuanTab[®] test strips. Soil samples from the four potholes were collected at 0.5 feet, 1-foot, and 4 feet bgs (as well as a 2 feet bgs for pothole soil sample PH11). The locations of the samples were marked utilizing a hand-held global positioning system (GPS). Figure 2 depicts the delineation soil sample locations.

All soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported at or below 4 degrees Celsius (°C) under strict chain-of-custody procedures to Eurofins Laboratories (Eurofins) in Carlsbad, New Mexico, for analysis of the following chemicals of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH- GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

Laboratory analytical results indicated concentrations of all COCs in the four pothole locations were compliant with the Table I Closure Criteria as well as the most stringent Closure Criteria. Table 1 summarizes the analytical results. Appendix A includes the laboratory analytical reports and chain-of-custody documentation.

CONCLUSION

Laboratory analytical results from the additional delineation activities indicated concentrations of all COCs in the four pothole locations were compliant with the Table I Closure Criteria as well as the most stringent Closure Criteria. These results provide further evidence that the release extent did not extent off pad at concentrations that would exceed the reclamation requirement and indicate remedial actions, specifically the excavation and proper disposal of approximately 280 cubic yards of impacted soil, has been protective human health, the environment, and groundwater. As a result, AEC respectfully requests NFA for Incident Number nAPP2218940551.

If you have any questions or comments, please contact Mr. Daniel Moir at (303) 887-2946 or dmoir@ensolum.com.

Sincerely, Ensolum, LLC

Daniel R. Moir, P.G. Senior Managing Geologist

cc: Jeff Tew, Armstrong Energy Corporation

Appendices:

Figure 1	Site Receptor Map
Figure 2	Delineation Soil Sample Locations
Table 1	Soil Sample Analytical Results
Appendix A	Lithologic / Soil Sampling Logs
Appendix B	Laboratory Analytical Results and Chain of Custody Documentation



Figures

.

Received by OCD: 12/2/2022 11:34:15 AM



Received by OCD: 12/2/2022 11:34:15 AM





Table

.

ENSOLUM

				Armstrong Energ	TABLE 1 PLE ANALYTICA yy Corporation - S a County, New Me	V Kim Harris #003				
				Ensolu	m Project No. 09C	2041003				
Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	TPH GRO + DRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
NMOCD Closure Release	Criteria for Soils (Groundwater <		10	50	NE	NE	NE	1,500	2,500	10,000
				Delineation	Soil Sample Analy	tical Results				
PH01	07/26/2022	2'	1.12	60.9	226	1,140	114	1,366	1,480	499
PH01A	07/26/2022	4'	0.106	3.8	<49.8	510	<49.8	510	510	1,170
PH02	07/26/2022	0.5'	<0.00198	0.0420	<49.9	<49.9	<49.9	<49.9	<49.9	8,940
PH02A	07/26/2022	4'	<0.0402	0.359	<49.9	<49.9	<49.9	<49.9	<49.9	452
PH03	07/26/2022	0.5'	<0.0402	3.20	<50.0	1,150	201	1,150	1350	19,100
PH03A	07/26/2022	2'	<0.0404	0.513	<50.0	159	<50.0	159	159	4,020
PH04	07/26/2022	4'	<0.00199	<0.00398	<50.0	66.5	<50.0	66.5	66.5	878
PH04A	07/26/2022	5'	<0.00198	< 0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	1,450
PH05	07/26/2022	0.5'	0.00561	0.213	<49.9	<49.9	<49.9	<49.9	<49.9	40.2
PH05A	07/26/2022	5'	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	33
PH06	07/26/2022	0.5'	<0.00199	0.0325	<50.0	<50.0	<50.0	<50.0	<50.0	16.1
PH06A	07/26/2022	2'	<0.00200	0.0609	<49.9	<49.9	<49.9	<49.9	<49.9	36.5
PH07	07/26/2022	0.5'	<0.0397	<0.0794	<49.9	<49.9	<49.9	<49.9	<49.9	90.1
PH07A	07/26/2022	3'	<0.00201	0.018	<49.9	<49.9	<49.9	<49.9	<49.9	18
PH08A	10/28/2022	0.5'	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	29.6
PH08B	10/28/2022	1'	<0.00200	< 0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	20.9
PH08C	10/28/2022	4'	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	19.5
PH09A	10/28/2022	0.5'	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	18.9
PH09B	10/28/2022	1'	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	29.6
PH09C	10/28/2022	4'	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	55.6
PH10A	10/28/2022	0.5'	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	<49.9	49.7
PH10B	10/28/2022	1'	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	29.3
PH10C	10/28/2022	4'	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	65.3
PH11A	11/17/2022	0.5'	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	18.7
PH11B	11/17/2022	1'	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	20.3
PH11C	11/17/2022	2'	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	22.1
PH11D	11/17/2022	4'	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	47.3
				Excavation Confirm		-	ts			
FS01	9/14/2022	4'	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	227
FS02	9/14/2022	4.5'	<0.00199	<0.00398	<50.0	308	80.5	388.5	389	142
FS03	9/14/2022	5'	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	411
FS04	9/14/2022	4.5'	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	827
FS05	9/14/2022	4.5'	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	893
FS06	9/14/2022	4.5'	<0.00200	<0.00399	<49.9	92	<49.9	92	92	1,440
FS07	9/14/2022	4.5'	<0.00199	<0.00398	<50.0	173	<50.0	173	173	532
SW01	9/14/2022	0-4'	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	<49.9	1,390
SW02	9/14/2022	0-4'	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	1,170
SW03	9/14/2022	0-4.5'	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	62.4
SW04	9/14/2022	0-4.5'	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	2,400

Notes:

bgs: below ground surface J: The target analyte was positively identified below the quantitation limit and above the detection limit.

mg/kg: milligrams per kilogram

NA: Not Applicable

NE: Not Established

NS: Not Sampled

NMOCD: New Mexico Oil Conservation Division

PID: Photoionization Detector

ppm: parts per million

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

MRO: Motor Oil/Lube Oil Range Organics

TPH: Total Petroleum Hydrocarbon

<49.9: indicates result less than the stated laboratory reporting limit (RL) Concentrations in **bold** and shaded exceed the New Mexico Oil Conservation Division Table 1 Closure Criteria for Soils Impacted by a Release

Gray text indicates sample locations were excavated and are no longer present

.



APPENDIX A

Lithologic Soil Sampling Logs

								Sample Name: PH08	Date: 10/28/2022
				C				Site Name: SV Kim Harris #003	,
			N	S	ΟΙ	. U		Incident Number: nAPP221894055	1
								Job Number: 09C2041003	
		LITHO	OGI		SAMPLING	LOG		Logged By: JF	Method: backhoe
Coord	inates: 32			-				Hole Diameter: N/A	Total Depth: 3 ft bgs
					ith HACH Ch	loride Test S	Strips and	PID for chloride and vapor, respecti	
			-					factors included.	,
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Des	criptions
m	<168	0	n	PH08A	 @0.5'	L 0.5	cche	CALICHE, fg-cg sand, silty, cla brown, moist, no staining ar	
m	<168	0	n	PH08B	@1'	_ 1	SW	SAND, fg-cg, trace silt and cl	
					-	1.5		no staining, no odor	
m					-	2			
					-	2.5			
m	<168	0.0	n	PH08C	@3'	3	SW	SAA	
					-	3.5			
					-	_ 4			
					-	4.5			
					-	5			
					-	5.5		TD = 3 feet bgs	
					-	6			
					-	-			
					-	-			
					-	-			
					-	-			
					-	-			
					-	-			
					-	-			
						-			
						-			
						-			
						-			

Image: Normal Society Image: Normal Society Image: Society Image: Society Image: Society <th< th=""><th>ENSOLUM Site Name: SV Kim Harris #003 Incident Number: nAPP2218940551 Job Number: 09C2041003 LITHOLOGIC / SOIL SAMPLING LOG Logged By: F Method: backhoe Coordinates: 32.942522, -103.304927 Hole Diameter: N/A Total Depth: 4 ft bgs Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included. automation Bit of the strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included. automation Bopth (ft bgs) Open (ft bgs) Open (ft bgs) Construction factors included. m <168</th> 0.1 n PH09A @0.5' 0.5 Cche CALICHE, fg-cg sand, silty, clayey, brown-dk brown, moit no staining and no odor m <168</th<>	ENSOLUM Site Name: SV Kim Harris #003 Incident Number: nAPP2218940551 Job Number: 09C2041003 LITHOLOGIC / SOIL SAMPLING LOG Logged By: F Method: backhoe Coordinates: 32.942522, -103.304927 Hole Diameter: N/A Total Depth: 4 ft bgs Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included. automation Bit of the strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included. automation Bopth (ft bgs) Open (ft bgs) Open (ft bgs) Construction factors included. m <168									Sample Name: PH09	Date: 10/28/2022
Job Number: 09C2041003 UTHOLOGIC / SOIL SAMPLING LOG Logged By: JF Method: backhoe Coordinates: 32.942522, -103.304927 Hole Diameter: N/A Total Depth: 4 ft bgs Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 14 dilution factor of soil to distilled water. No correction factors included. an to get the distilled water. No correction factors included. an to get the distilled water. No correction factors included. an to get the distilled water. No correction factors included. antiget the distilled water. No correction factors included. m <168 0.1 n PH09A @0.5' 0.5 Cche CALICHE, fg-cg sand, silty, clayey, brown-dk brown, moist, no staining and no odor m <168 0.1 n PH09B @1' 1 SW SAA m <168 0.0 n PH09C @4' 4 5 5 TD = 4 feet bgs	Iob Number: 09C2041003 LITHOLOGIC / SOIL SAMPLING LOG Logged By: JF Method: backhoe Coordinates: 32.94252, -103.304927 Hole Diameter: N/A Total Depth: 4 ft bgs Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included. an teg pice G an t						~ •				Bate. 10/20/2022
Iob Number: 09C2041003 LITHOLOGIC / SOIL SAMPLING LOG Logged By: JF Method: backhoe Coordinates: 32.942522, -103.304927 Hole Diameter: N/A Total Depth: 4 ft bgs Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 14 dilution factor of soil to distilled water. No correction factors included. and pipe field Sample Depth (ft bgs) YO To go To go To chloride and vapor, respectively. Chloride test performed with 14 dilution factor of soil to distilled water. No correction factors included. m <168 0.1 n PHO9A Depth (ft bgs) Che ft bgs Che ft bgs Lithologic Descriptions m <168 0.1 n PHO9B @1' 1 SW SAND, fg-cg stand, silty, clayey, brown-dk brown, moist, no staining and no odor m <168 0.0 n PHO9C @4' 4 5 5 5 m <168 0.0 n PHO9C @4' 4 5 5 TD = 4 feet bgs	Iob Number: 09C2041003 LITHOLOGIC / SOIL SAMPLING LOG Logged By: JF Method: backhoe Coordinates: 32.942522, -103.304927 Hole Diameter: N/A Total Depth: 4 ft bgs Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included. an tig by: Ge				N	S	ΟΙ	. U	M		51
LITHOLOGIC / SOIL SAMPLING LOG Logged By: JF Method: backhoe Coordinates: 32.942522, -103.304927 Hole Diameter: N/A Total Depth: 4 ft bgs Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included. Up to be the performed with 1:4 dilution factor of soil to distilled water. No correction factors included. Depth (ft bgs) Depth (ft bgs) Depth (ft bgs) Lithologic Descriptions m <168	LITHOLOGIC / SOIL SAMPLING LOG Logged By: JF Method: backhoe Coordinates: 32.942522, -103.304927 Hole Diameter: N/A Total Depth: 4 ft bgs Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included. an total provide the strips and PID for chloride and vapor, respectively. Chloride test an total provide the strips and PID for chloride and vapor, respectively. Chloride test an total provide the strips and PID for chloride and vapor, respectively. Chloride test an total provide the strips and PID for chloride and vapor, respectively. Chloride test an total provide the strips and PID for chloride and vapor, respectively. Chloride test an total provide the strips and PID for chloride and vapor, respectively. Chloride test an total provide the strips and PID for chloride and vapor, respectively. Chloride test an total provide the strips and PID for chloride test m <168				_						/1
Coordinates: 32.942522, -103.304927 Hole Diameter: N/A Total Depth: 4 ft bgs Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included. and the performed with 1:4 dilution factor of soil to distilled water. No correction factors included. Lithologic Descriptions and the performed with 1:4 dilution factor of soil to distilled water. No correction factors included. Content of the performed with 1:4 dilution factor of soil to distilled water. No correction factors included. and the performed with 1:4 dilution factor of soil to distilled water. No correction factors included. Lithologic Descriptions m Colspan="2">Optimize of the performed with 1:4 dilution factor of soil to distilled water. No correction factors included. m Optimize of the performed with 1:4 dilution factor of soil to distilled water. No correction factors included. Lithologic Descriptions m Optimize of the performed with 1:4 dilution factor of soil to distilled water. No correction factors included. Constant of the performed with 1:4 dilution factor of soil to distilled water. No correction factors included. m Optimize of the performed with 1:4 dilution factor of soil to distilled water. No correction factors included. Constant of the performed with 1:4 dilution factor of soil to distilled water. No corr	Coordinates: 32.942522, -103.304927 Hole Diameter: N/A Total Depth: 4 ft bgs Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included. and tag by too boots of the strip of			יייידוו	061						Mathad: backhes
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included. an tigo in tigo <thin th="" tigo<=""> in tigo <thi< td=""><td>Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included. an tigo of the second with 1:4 dilution factor of soil to distilled water. No correction factors included. Lithologic Descriptions an tigo of tigo</td><td>Coordi</td><td></td><td></td><td></td><td>-</td><td></td><td>100</td><td></td><td></td><td></td></thi<></thin>	Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included. an tigo of the second with 1:4 dilution factor of soil to distilled water. No correction factors included. Lithologic Descriptions an tigo of tigo	Coordi				-		100			
performed with 1:4 dilution factor of soil to distilled water. No correction factors included. an tigo i	performed with 1:4 dilution factor of soil to distilled water. No correction factors included. an tigo i <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>lorida Tast 9</td><td>String and</td><td></td><td></td></t<>							lorida Tast 9	String and		
m<1680.1nPH09A@0.5'0.5Cche brown, moist, no staining and no odorm<168	m<1680.1nPH09A@0.5'0.5ccheCALICHE, fg-cg sand, silty, clayey, brown-dk brown, moist, no staining and no odorm<168										ively. Chionae test
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	m <168 0.1 n PH09A @0.5' 0.5 brown, moist, no staining and no odor m <168 0 n PH09B @1' 1 SW SAND, fg-cg, trace silt and clay, dark brown, moi no staining, no odor m <168 0.0 n PH09C @4' 4 5 5.5 TD = 4 feet bgs	Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Depth	-	USCS/Rock Symbol	Lithologic Des	scriptions
m <168 0.0 n PH09C @4' 4 4.5 5.5 TD = 4 feet bgs	m i	m	<168	0.1	n	PH09A		L 0.5	cche		
m 1.5 1.5 1.5 m 2.5 2.5 3.5 m <168	m $=$	m	<168	0	n	PH09B	@1'	_	SW		lay, dark brown, moist,
			<168	0.0	n	PH09C	@4'	2 2.5 3 3.5 4 4.5 5 5.5	SW	SAA	

								Sample Name: PH10	Date: 10/28/2022
								Site Name: SV Kim Harris #003	5 410. 20, 20, 20, 2022
			N	Э	ΟΙ			Incident Number: nAPP22189405	551
								Job Number: 09C2041003	
		LITHOL	OGI		SAMPLING	LOG		Logged By: JF	Method: backhoe
Coord	inates: 32							Hole Diameter: N/A	Total Depth: 3 ft bgs
			-					PID for chloride and vapor, respectation for chloride and vapor, respectation factors included.	ctively. Chloride test
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	escriptions
m	<168 <168	0.2 0.1	n	PH10A	@0.5' _ @1'	L 0.5 1	cche	CALICHE, fg-cg sand, silty, o brown, moist, no staining a	and no odor
m	<109	0.1	n	PH10B	<u>س</u> ــــــــــــــــــــــــــــــــــــ	1 1.5	SW	SAND, fg-cg, trace silt and no staining, no odor	clay, dark brown, moist,
					-	2			
					-	2.5			
m	<168	0.1	n	PH10C	@3'	3	SW	SAA	
					-	3.5			
					-	4			
					-	4.5 5			
								TD = 3 feet bgs	
					-	- - - -			

								Sample Name: PH11	Date: 10/28/2022
					•			Site Name: SV Kim Harris #003	Date: 10/20/2022
		E	N	S	ΟΙ		M	Incident Number: nAPP221894055	1
			_	-		_	_	Job Number: 09C2041003	-
┣──			0610		SAMPLING	LOG		Logged By: JF	Method: backhoe
Coord		2.942522,		-		100		Hole Diameter: N/A	Total Depth: 4 ft bgs
					ith HACH Ch	loride Test S	Strips and	PID for chloride and vapor, respecti	
								factors included.	-,
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Des	criptions
m	<168	0.3	n	PH11A		L 0.5	cche	CALICHE, fg-cg sand, silty, cla brown, moist, no staining ar	
m	<168	0.2	n	PH11B	@1'	1	SW	SAND, fg-cg, trace silt and cl	
						1.5		no staining, no odor	ay, aan brown, molec,
m	<168	0	n	PH11C	@2'	2			
						2.5			
					-	3	SW	SAA	
					+	3.5			
m	<168	0.0	n	PH11D	@4'	4			
					-	4.5			
					-	5			
						5.5		TD = 4 feet bgs	
					-	6			
					-	-			
						-			
						-			
					-	-			
					ہ ا-	-			
					-	-			
						-			
						-			
						-			
						<u> </u>			
						-			
					-	-			



APPENDIX B

Laboratory Analytical Reports & Chain-of-Custody Documentation Received by OCD: 12/2/2022 11:34:15 AM

----- LINKS

Review your project results through

EOL

Have a Question?

www.eurofinsus.com/Env

Released to Imaging: 1/5/2023 1:26:53 PM

Visit us at:

Ask— The Expert 5

🛟 eurofins

Environment Testing

ANALYTICAL REPORT

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

Laboratory Job ID: 890-3334-1

Laboratory Sample Delivery Group: 09C2041003 Client Project/Site: SV Kim Harris #003

For:

Ensolum 705 W. Wadley Suite 210 Midland, Texas 79701

Attn: Daniel Moir

RAMER

Authorized for release by: 11/3/2022 12:32:46 PM Jessica Kramer, Project Manager (432)704-5440 Jessica.Kramer@et.eurofinsus.com

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

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

Laboratory Job ID: 890-3334-1 SDG: 09C2041003

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Client Sample Results	5
Surrogate Summary	13
QC Sample Results	15
QC Association Summary	23
Lab Chronicle	27
Certification Summary	30
Method Summary	31
Sample Summary	32
Chain of Custody	33
	34

2

cervea by OCD	D: 12/2/2022 11:34:15 AM	age 22 of	03
	Definitions/Glossary		
Client: Ensolum			
Project/Site: S\	/ Kim Harris #003 SDG: 09C	2041003	
Qualifiers			
GC VOA			
Qualifier	Qualifier Description		
U	Indicates the analyte was analyzed for but not detected.		
GC Semi VOA			
Qualifier	Qualifier Description		2
F1	MS and/or MSD recovery exceeds control limits.		
F2	MS/MSD RPD exceeds control limits		
S1-	Surrogate recovery exceeds control limits, low biased.		
S1+	Surrogate recovery exceeds control limits, high biased.		2
U	Indicates the analyte was analyzed for but not detected.		
HPLC/IC			
Qualifier	Qualifier Description		
U	Indicates the analyte was analyzed for but not detected.		
Glossary			
Abbreviation	These commonly used abbreviations may or may not be present in this report.		
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis		
%R	Percent Recovery		
CFL	Contains Free Liquid		
CFU	Colony Forming Unit		
CNF	Contains No Free Liquid		
DER	Duplicate Error Ratio (normalized absolute difference)		
Dil Fac	Dilution Factor		
DL	Detection Limit (DoD/DOE)		
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample		
DLC	Decision Level Concentration (Radiochemistry)		
EDL	Estimated Detection Limit (Dioxin)		
LOD	Limit of Detection (DoD/DOE)		
LOQ	Limit of Quantitation (DoD/DOE)		

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

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

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

Negative / Absent NEG POS Positive / Present

Practical Quantitation Limit PQL PRES Presumptive QC Quality Control RER Relative Error Ratio (Radiochemistry)

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

Page 23 of 83

Job ID: 890-3334-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-3334-1

Receipt

The samples were received on 10/28/2022 4:15 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.6°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: PH10A (890-3334-1), PH10B (890-3334-2), PH10C (890-3334-3), PH08A (890-3334-4), PH08B (890-3334-5), PH08C (890-3334-6), PH09A (890-3334-7), PH09B (890-3334-8) and PH09C (890-3334-9).

GC VOA

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (890-3322-A-2-D MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 880-38325 and analytical batch 880-38323 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8015MOD_NM: The matrix spike duplicate (MSD) recoveries for preparation batch 880-38417 and analytical batch 880-38323 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-38436/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The method blank for preparation batch 880-38436 and analytical batch 880-38457 contained Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-38436 and analytical batch 880-38457 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

HPLC/IC

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

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

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

Result Qualifier

Qualifier

<0.00202 U

<0.00202 U

<0.00202 U

<0.00403 U

<0.00202 U

<0.00403 U

103

106

<0.00403 U

Result Qualifier

Result Qualifier

<49.9 U

%Recovery

RL

0.00202

0.00202

0.00202

0.00403

0.00202

0.00403

Limits

70 - 130

70 - 130

RL

RL

49.9

0.00403

Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

Unit

Unit

mg/Kg

mg/Kg

D

D

D

Prepared

11/01/22 13:17

11/01/22 13:17

11/01/22 13:17

11/01/22 13:17

11/01/22 13:17

11/01/22 13:17

Prepared

11/01/22 13:17

11/01/22 13:17

Prepared

Prepared

Job ID: 890-3334-1 SDG: 09C2041003

Client Sample ID: PH10A

Project/Site: SV Kim Harris #003

Date Collected: 10/28/22 08:50 Date Received: 10/28/22 16:15

Sample Depth: 6

Analyte

Benzene

Toluene

o-Xylene

Surrogate

Analyte

Analyte

Total TPH

Total BTEX

Ethylbenzene

Xylenes, Total

m-Xylene & p-Xylene

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

Client: Ensolum

Lab Sample ID: 890-

Analyzed

11/02/22 04:06

11/02/22 04:06

11/02/22 04:06

11/02/22 04:06

11/02/22 04:06

11/02/22 04:06

Analyzed

11/02/22 04:06

11/02/22 04:06

Analyzed

11/02/22 10:02

Analyzed

11/03/22 10:18

Matr

-3334-1 ix: Solid	
	5
Dil Fac 1 1	
1 1	
1 1	8
Dil Fac	9
1 1	
Dil Fac	
1	
Dil Fac	13
1	
Dil Fac	

Method: SW846 8015B NM - Dies			· · ·		_			
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		11/01/22 16:40	11/03/22 02:19	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		11/01/22 16:40	11/03/22 02:19	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/01/22 16:40	11/03/22 02:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130			11/01/22 16:40	11/03/22 02:19	1
o-Terphenyl	115		70 - 130			11/01/22 16:40	11/03/22 02:19	1
	, Ion Chromato	ography - So	oluble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49.7		4.97	mg/Kg			11/02/22 00:14	1
Client Sample ID: PH10B						Lab Sar	nple ID: 890-	3334-2

Client Sample ID: PH10B Date Collected: 10/28/22 08:55 Date Received: 10/28/22 16:15

Sample Depth: 12

Method: SW846 8021B - Volati	ile Organic Comp	ounds (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		11/01/22 13:17	11/02/22 04:27	1
Toluene	<0.00201	U	0.00201	mg/Kg		11/01/22 13:17	11/02/22 04:27	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		11/01/22 13:17	11/02/22 04:27	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		11/01/22 13:17	11/02/22 04:27	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		11/01/22 13:17	11/02/22 04:27	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		11/01/22 13:17	11/02/22 04:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 _ 130			11/01/22 13:17	11/02/22 04:27	1

Eurofins Carlsbad

Matrix: Solid

Client Sample Results

Job ID: 890-3334-1 SDG: 09C2041003

Lab Sample ID: 890-3334-2

Client Sample ID: PH10B

Project/Site: SV Kim Harris #003

Date Collected: 10/28/22 08:55 Date Received: 10/28/22 16:15

Sample Depth: 12

Client: Ensolum

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

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1,4-Difluorobenzene (Surr)	109		70 - 130			11/01/22 13:17	11/02/22 04:27	
Method: TAL SOP Total BTEX - T	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00402	U	0.00402	mg/Kg			11/02/22 10:02	
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
	<50.0		50.0	mg/Kg			11/03/22 10:18	
Method: SW846 8015B NM - Dies	sel Range Orga			mg/Kg Unit	D	Prepared	11/03/22 10:18 Analyzed	Dil Fa
Method: SW846 8015B NM - Dies Analyte	sel Range Orga	nics (DRO) Qualifier	(GC)		<u>D</u>	Prepared 11/01/22 16:40		Dil Fa
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	sel Range Orga Result	nics (DRO) Qualifier	(GC)	<u>Unit</u>	<u>D</u>		Analyzed	Dil Fa
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10	sel Range Orga Result	Qualifier	(GC)	<u>Unit</u>	<u>D</u>		Analyzed	Dil Fa
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	sel Range Orga Result <50.0	Qualifier	(GC) <u>RL</u> 50.0	Unit mg/Kg	<u>D</u>	11/01/22 16:40	Analyzed	Dil Fa
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	sel Range Orga Result <50.0	nics (DRO) Qualifier U	(GC) <u>RL</u> 50.0	Unit mg/Kg	<u>D</u>	11/01/22 16:40	Analyzed	Dil Fa
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	sel Range Orga Result <50.0 <50.0	nics (DRO) Qualifier U U U	(GC) <u>RL</u> 50.0 50.0	Unit mg/Kg mg/Kg	<u>D</u>	11/01/22 16:40 11/01/22 16:40	Analyzed 11/03/22 02:40 11/03/22 02:40	
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	sel Range Orga <u>Result</u> <50.0 <50.0 <50.0	nics (DRO) Qualifier U U U	(GC) <u>RL</u> 50.0 50.0 50.0	Unit mg/Kg mg/Kg	<u>D</u>	11/01/22 16:40 11/01/22 16:40 11/01/22 16:40	Analyzed 11/03/22 02:40 11/03/22 02:40 11/03/22 02:40	Dil Fa

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.3		5.00	mg/Kg			11/02/22 00:29	1

Client Sample ID: PH10C

Date Collected: 10/28/22 09:05 Date Received: 10/28/22 16:15 Sample Depth: 36

Lab Sample ID: 890-3334-3 Matrix: Solid

Method: SW846 8021B - Volati	ile Organic Comp	ounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/01/22 13:17	11/02/22 04:48	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/01/22 13:17	11/02/22 04:48	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/01/22 13:17	11/02/22 04:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		11/01/22 13:17	11/02/22 04:48	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/01/22 13:17	11/02/22 04:48	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/01/22 13:17	11/02/22 04:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130			11/01/22 13:17	11/02/22 04:48	1
1,4-Difluorobenzene (Surr)	106		70 - 130			11/01/22 13:17	11/02/22 04:48	1
- Method: TAL SOP Total BTEX	- Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/02/22 10:02	1
Method: SW846 8015 NM - Die	esel Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/03/22 10:18	1

Eurofins Carlsbad

Matrix: Solid

5

Released to Imaging: 1/5/2023 1:26:53 PM

Job ID: 890-3334-1 SDG: 09C2041003

Matrix: Solid

Lab Sample ID: 890-3334-3

Applyzod

norod

Client Sample ID: PH10C

Project/Site: SV Kim Harris #003

Date Collected: 10/28/22 09:05 Date Received: 10/28/22 16:15

Sample Depth: 36

Client: Ensolum

<u> </u>		
Method: SW846 8015B NM	I - Diesel Range Organics (DRO) (GC)	
Analyte	Result Qualifier	RL

Analyte	Result	Quaimer	RL	Unit	U	Prepared	Analyzed	DirFac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		11/01/22 16:40	11/03/22 03:01	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		11/01/22 16:40	11/03/22 03:01	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/01/22 16:40	11/03/22 03:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130			11/01/22 16:40	11/03/22 03:01	1
o-Terphenyl	106		70 - 130			11/01/22 16:40	11/03/22 03:01	1

Unit

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	65.3	5.00	mg/Kg			11/02/22 00:34	1

Client Sample ID: PH08A

Date Collected: 10/28/22 09:30 Date Received: 10/28/22 16:15

Sample Depth: 6

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/01/22 13:17	11/02/22 05:09	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/01/22 13:17	11/02/22 05:09	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/01/22 13:17	11/02/22 05:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		11/01/22 13:17	11/02/22 05:09	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/01/22 13:17	11/02/22 05:09	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/01/22 13:17	11/02/22 05:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130			11/01/22 13:17	11/02/22 05:09	1
1,4-Difluorobenzene (Surr)	103		70 - 130			11/01/22 13:17	11/02/22 05:09	1
- Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)					
- Method: SW846 8015 NM - Diese Analyte		<mark>ics (DRO) (</mark> Qualifier	GC) RL	Unit	D	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH		Qualifier		Unit mg/Kg	<u>D</u>	Prepared	Analyzed 11/03/22 10:18	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies	Result <49.9	Qualifier	(GC)	mg/Kg		<u>·</u>	11/03/22 10:18	1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte	Result <49.9 sel Range Orga Result	Qualifier U Inics (DRO) Qualifier	(GC) RL		D	Prepared	11/03/22 10:18	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	Result <49.9	Qualifier U Inics (DRO) Qualifier	(GC)	mg/Kg		<u>·</u>	11/03/22 10:18	1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10	Result <49.9 sel Range Orga Result	Qualifier U Qualifier U U	(GC) RL	mg/Kg Unit		Prepared	11/03/22 10:18	1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	sel Range Orga <u>Result</u> <49.9 <u>Result</u> <49.9	Qualifier U Qualifier U U	RL 49.9 (GC) RL 49.9	mg/Kg Unit mg/Kg		Prepared 11/01/22 16:40	Analyzed 11/03/22 03:44	1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	sel Range Orga <u>Result</u> <49.9 <u>Result</u> <49.9	Qualifier U Qualifier U U U	RL 49.9 (GC) RL 49.9	mg/Kg Unit mg/Kg		Prepared 11/01/22 16:40	Analyzed 11/03/22 03:44	1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9	Qualifier U Qualifier U U U	RL 49.9 (GC) RL 49.9 49.9	mg/Kg Unit mg/Kg mg/Kg		Prepared 11/01/22 16:40 11/01/22 16:40	Analyzed 11/03/22 03:44 11/03/22 03:44	1

Eurofins Carlsbad

11/03/22 03:44

11/01/22 16:40

5

o-Terphenyl

70 - 130

114

1

		Clien	it Sample Re	sults				
Client: Ensolum			•				Job ID: 890)-3334-
Project/Site: SV Kim Harris #003							SDG: 09C2	204100
Client Sample ID: PH08A						Lab Sar	nple ID: 890-	3334-
Date Collected: 10/28/22 09:30							-	ix: Soli
Date Received: 10/28/22 16:15								
Sample Depth: 6								
_ Method: MCAWW 300.0 - Anions	Ion Chromate	ography - S	oluble					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	29.6		4.99	mg/Kg			11/02/22 00:39	
Client Sample ID: PH08B						Lab Sar	nple ID: 890-	3334-
Date Collected: 10/28/22 09:35							-	ix: Soli
Date Received: 10/28/22 16:15							math	
Sample Depth: 12								
_ Method: SW846 8021B - Volatile	Organia Comp	oundo (CC	\ \					
Analyte	• •	Qualifier) RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	< 0.00200	U	0.00200	mg/Kg		11/01/22 13:17	11/02/22 05:29	
Toluene	<0.00200	U	0.00200	mg/Kg		11/01/22 13:17	11/02/22 05:29	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/01/22 13:17	11/02/22 05:29	
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		11/01/22 13:17	11/02/22 05:29	
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/01/22 13:17	11/02/22 05:29	
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		11/01/22 13:17	11/02/22 05:29	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)			70 - 130			11/01/22 13:17	11/02/22 05:29	
1,4-Difluorobenzene (Surr)	105		70 - 130			11/01/22 13:17	11/02/22 05:29	
_ Method: TAL SOP Total BTEX - T	otal BTEX Cal	culation						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00399	U	0.00399	mg/Kg			11/02/22 10:02	
_ Method: SW846 8015 NM - Diese	l Range Organ	ice (DRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<49.9		49.9	mg/Kg			11/02/22 10:14	
Method: SW846 8015B NM - Dies Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<49.9		49.9	mg/Kg		11/01/22 15:08	11/02/22 03:58	
(GRO)-C6-C10	10.0	-	10.0					
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		11/01/22 15:08	11/02/22 03:58	
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/01/22 15:08	11/02/22 03:58	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil F
1-Chlorooctane	98		70 - 130			11/01/22 15:08	11/02/22 03:58	
o-Terphenyl	100		70 - 130			11/01/22 15:08	11/02/22 03:58	
_ Method: MCAWW 300.0 - Anions	, Ion Chromato	ography - S	oluble					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil F

Eurofins Carlsbad

11/02/22 00:44

Chloride

4.95

mg/Kg

20.9

1

Job ID: 890-3334-1 SDG: 09C2041003

Client Sample ID: PH08C

Project/Site: SV Kim Harris #003

Date Collected: 10/28/22 09:45 Date Received: 10/28/22 16:15

Client: Ensolum

Lab Sample ID: 890-3334-6

Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/01/22 13:17	11/02/22 05:50	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/01/22 13:17	11/02/22 05:50	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/01/22 13:17	11/02/22 05:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		11/01/22 13:17	11/02/22 05:50	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/01/22 13:17	11/02/22 05:50	
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/01/22 13:17	11/02/22 05:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130			11/01/22 13:17	11/02/22 05:50	1
1,4-Difluorobenzene (Surr)	107		70 - 130			11/01/22 13:17	11/02/22 05:50	î
Method: TAL SOP Total BTEX -	Total BTEX Calo	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/02/22 10:02	1
Method: SW846 8015 NM - Dies	el Range Organ	ics (DRO) (GC)					
		<mark>ics (DRO) (</mark> Qualifier	GC) RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte		Qualifier		Unit mg/Kg	<u>D</u>	Prepared	Analyzed	
Analyte Total TPH	Result <49.9	Qualifier U	RL 49.9		<u>D</u>	Prepared		
Analyte Total TPH Method: SW846 8015B NM - Die	Result <49.9 sel Range Orga	Qualifier U	RL 49.9		<u>D</u> 	Prepared		Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics	Result <49.9 sel Range Orga Result	Qualifier U Inics (DRO) Qualifier	(GC)	mg/Kg			11/02/22 10:14	1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.9 sel Range Orga Result	Qualifier U mics (DRO) Qualifier U	(GC)	mg/Kg Unit		Prepared	11/02/22 10:14 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	sel Range Orga <u>Result</u> <u>Result</u> <u>49.9</u>	Qualifier U Qualifier U U U	RL 49.9 (GC) RL 49.9	mg/Kg Unit mg/Kg		Prepared 11/01/22 08:49	Analyzed 11/01/22 19:21	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.9	Qualifier U Qualifier U U U U	RL 49.9 (GC) RL 49.9 49.9	mg/Kg Unit mg/Kg mg/Kg		Prepared 11/01/22 08:49 11/01/22 08:49	Analyzed 11/02/22 10:14 Analyzed 11/01/22 19:21 11/01/22 19:21	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9	Qualifier U Qualifier U U U U	RL 49.9 (GC) RL 49.9 49.9 49.9 49.9	mg/Kg Unit mg/Kg mg/Kg		Prepared 11/01/22 08:49 11/01/22 08:49 11/01/22 08:49	Analyzed 11/02/22 10:14 Analyzed 11/01/22 19:21 11/01/22 19:21 11/01/22 19:21	1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result <49.9	Qualifier U Qualifier U U U U	RL 49.9 (GC) RL 49.9 49.9 49.9 Limits	mg/Kg Unit mg/Kg mg/Kg		Prepared 11/01/22 08:49 11/01/22 08:49 11/01/22 08:49 Prepared	Analyzed 11/02/22 10:14 Analyzed 11/01/22 19:21 11/01/22 19:21 11/01/22 19:21 Analyzed	Dil Fac 1 1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result <49.9	Qualifier U Qualifier U U U Qualifier	RL 49.9 (GC) RL 49.9 49.9 49.9 49.9 20.9 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 11/01/22 08:49 11/01/22 08:49 11/01/22 08:49 Prepared 11/01/22 08:49	Analyzed 11/02/22 10:14 Analyzed 11/01/22 19:21 11/01/22 19:21 11/01/22 19:21 Analyzed 11/01/22 19:21	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result <49.9	Qualifier U Qualifier U U U Qualifier	RL 49.9 (GC) RL 49.9 49.9 49.9 49.9 20.9 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 11/01/22 08:49 11/01/22 08:49 11/01/22 08:49 Prepared 11/01/22 08:49	Analyzed 11/02/22 10:14 Analyzed 11/01/22 19:21 11/01/22 19:21 11/01/22 19:21 Analyzed 11/01/22 19:21	Dil Fac
Analyte Total TPH Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: MCAWW 300.0 - Anions	Result <49.9	Qualifier U Qualifier U U Qualifier Qualifier	RL 49.9 (GC) RL 49.9 49.9 49.9 49.9 20.9 Limits 70 - 130 70 - 130 Doluble	mg/Kg Unit mg/Kg mg/Kg mg/Kg	D	Prepared 11/01/22 08:49 11/01/22 08:49 11/01/22 08:49 Prepared 11/01/22 08:49 11/01/22 08:49	11/02/22 10:14 Analyzed 11/01/22 19:21 11/01/22 19:21 11/01/22 19:21 Analyzed 11/01/22 19:21 11/01/22 19:21	Dil Fa Dil Fa

Date Received:	10/28/22 16:15
Sample Depth:	6

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00199	U	0.00199	mg/Kg		11/01/22 13:17	11/02/22 06:11	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/01/22 13:17	11/02/22 06:11	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/01/22 13:17	11/02/22 06:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		11/01/22 13:17	11/02/22 06:11	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/01/22 13:17	11/02/22 06:11	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/01/22 13:17	11/02/22 06:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130			11/01/22 13:17	11/02/22 06:11	1

Eurofins Carlsbad

Matrix: Solid

Client Sample Results

Job ID: 890-3334-1 SDG: 09C2041003

Matrix: Solid

5

Lab Sample ID: 890-3334-7

Lab Sample ID: 890-3334-8

Matrix: Solid

Client Sample ID: PH09A

Project/Site: SV Kim Harris #003

Date Collected: 10/28/22 10:10 Date Received: 10/28/22 16:15

Sample Depth: 6

Client: Ensolum

Unit mg/Kg Unit mg/Kg	D	Prepared Prepared	11/02/22 06:11 Analyzed 11/02/22 10:02 Analyzed 11/02/22 10:14	Dil Fac
mg/Kg Unit		<u> </u>	11/02/22 10:02 Analyzed	1
mg/Kg Unit		<u> </u>	11/02/22 10:02 Analyzed	
Unit	D	Prepared	Analyzed	Dil Fac
	<u>D</u>	Prepared		Dil Fac
	<u>D</u>	Prepared		Dil Fac
mg/Kg			11/02/22 10:14	
Unit	<u> </u>	Prepared	Analyzed	Dil Fa
mg/Kg		11/01/22 08:49	11/01/22 19:43	1
mg/Kg		11/01/22 08:49	11/01/22 19:43	
0 0				
mg/Kg		11/01/22 08:49	11/01/22 19:43	
		Prepared	Analyzed	Dil Fa
		11/01/22 08:49	11/01/22 19:43	
		11/01/22 08:49	11/01/22 19:43	
	mg/Kg	mg/Kg mg/Kg mg/Kg	mg/Kg 11/01/22 08:49 mg/Kg 11/01/22 08:49 mg/Kg 11/01/22 08:49 <u>Prepared</u> 11/01/22 08:49 11/01/22 08:49 11/01/22 08:49	mg/Kg 11/01/22 08:49 11/01/22 19:43 11/01/22 08:49 11/01/22 19:43 11/01/22 08:49 11/01/22 19:43 11/01/22 08:49 11/01/22 19:43

Analyte	Result	Quaimer	IXL.	Unit	 riepaieu	Analyzeu	Dirrac
Chloride	18.9		5.00	mg/Kg		11/02/22 00:54	1

Client Sample ID: PH09B

Date Collected: 10/28/22 10:15 Date Received: 10/28/22 16:15 Sample Depth: 12

Method: SW846 8021B - Volatile Organic Compounds (GC) Dil Fac Analyte Result Qualifier RL Unit D Prepared Analyzed Benzene <0.00200 U 0.00200 mg/Kg 11/01/22 13:17 11/02/22 06:32 1 Toluene <0.00200 U 0.00200 11/01/22 13:17 11/02/22 06:32 mg/Kg 1 Ethylbenzene <0.00200 U 0.00200 mg/Kg 11/01/22 13:17 11/02/22 06:32 1 0.00399 11/02/22 06:32 m-Xylene & p-Xylene <0.00399 U mg/Kg 11/01/22 13:17 1 o-Xylene <0.00200 U 0.00200 mg/Kg 11/01/22 13:17 11/02/22 06:32 1 Xylenes, Total <0.00399 U 0.00399 mg/Kg 11/01/22 13:17 11/02/22 06:32 1 %Recovery Qualifier Limits Dil Fac Surrogate Prepared Analvzed 126 70 - 130 4-Bromofluorobenzene (Surr) 11/01/22 13:17 11/02/22 06:32 1 1,4-Difluorobenzene (Surr) 106 70 - 130 11/01/22 13:17 11/02/22 06:32 1 Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL Unit D Dil Fac Prepared Analyzed Total BTEX <0.00399 U 0.00399 11/02/22 10:02 mg/Kg 1 Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Ы Unit Analyte Pocult Qualifior Dueneus Total TPH

Result	Quaimer	RL	Unit	U	,	Prepared	Analyzed	DIFAC
<50.0	U	50.0	 mg/Kg				11/02/22 10:14	1

Eurofins Carlsbad

Job ID: 890-3334-1 SDG: 09C2041003

Lab Sample ID: 890-3334-8

Client Sample ID: PH09B

Project/Site: SV Kim Harris #003

Date Collected: 10/28/22 10:15 Date Received: 10/28/22 16:15

Sample Depth: 12

Client: Ensolum

Method: SW846 8015B NM - Diesel	Range Organics (DRO) (GC)	
Analyte	Result Qualifier	RL

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg	_	11/01/22 08:49	11/01/22 20:05	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		11/01/22 08:49	11/01/22 20:05	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/01/22 08:49	11/01/22 20:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130			11/01/22 08:49	11/01/22 20:05	1
o-Terphenyl	84		70 - 130			11/01/22 08:49	11/01/22 20:05	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.6	4.95	mg/Kg			11/02/22 00:59	1

Client Sample ID: PH09C

Date Collected: 10/28/22 10:25

Date Received: 10/28/22 16:15 Sample Depth: 48

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/01/22 13:17	11/02/22 06:52	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/01/22 13:17	11/02/22 06:52	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/01/22 13:17	11/02/22 06:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		11/01/22 13:17	11/02/22 06:52	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/01/22 13:17	11/02/22 06:52	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/01/22 13:17	11/02/22 06:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			11/01/22 13:17	11/02/22 06:52	1
1,4-Difluorobenzene (Surr)	107		70 - 130			11/01/22 13:17	11/02/22 06:52	1

Method: TAL SOP Tot	tal BTEX - Total BTEX Calculation	
Analyte	Result Qualifier	RL

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/02/22 10:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/02/22 10:14	1
—								

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/01/22 08:49	11/01/22 20:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/01/22 08:49	11/01/22 20:26	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/01/22 08:49	11/01/22 20:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130			11/01/22 08:49	11/01/22 20:26	1
o-Terphenyl	93		70 - 130			11/01/22 08:49	11/01/22 20:26	1

Eurofins Carlsbad

Matrix: Solid 5 Dil Fac

Lab Sample ID: 890-3334-9 Matrix: Solid

		Client	Sample Res	sults					
Client: Ensolum Project/Site: SV Kim Harris #003							Job ID: 890 SDG: 09C2		2
Client Sample ID: PH09C Date Collected: 10/28/22 10:25					Lab Sample ID: 890-3334-9 Matrix: Solid				
Date Received: 10/28/22 16:15 Sample Depth: 48									4
Method: MCAWW 300.0 - Anions, Io		o <mark>graphy - Solu</mark> Qualifier	uble RL	Unit	D	Prepared	Analyzed	Dil Fac	5
Analyte Chloride	55.6	Quaimer	4.95	mg/Kg	D	Prepareu	Analyzed 	1	
									7 8 9 10
									12
									13

...

. .

<u> - - -</u>

Eurofins Carlsbad

Project/Site: SV Kim Harris #003

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

_				Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1		
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		_
880-20949-A-1-C MS	Matrix Spike	93	96		
880-20949-A-1-D MSD	Matrix Spike Duplicate	95	95		
890-3334-1	PH10A	103	106		- 22
890-3334-2	PH10B	115	109		
890-3334-3	PH10C	118	106		
890-3334-4	PH08A	125	103		
890-3334-5	PH08B	116	105		
890-3334-6	PH08C	115	107		
890-3334-7	PH09A	121	108		
890-3334-8	PH09B	126	106		
890-3334-9	PH09C	113	107		
LCS 880-38396/1-A	Lab Control Sample	86	100		
LCSD 880-38396/2-A	Lab Control Sample Dup	84	100		
MB 880-38292/5-A	Method Blank	96	101		
MB 880-38396/5-A	Method Blank	98	94		
Surrogate Legend					1
BFB = 4-Bromofluorober	nzene (Surr)				
DFBZ = 1,4-Difluorobenz	zene (Surr)				

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

Matrix: Solid

-				Percent Surrogat
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-21015-A-1-D MS	Matrix Spike	90	85	
880-21015-A-1-E MSD	Matrix Spike Duplicate	94	90	
890-3322-A-2-D MS	Matrix Spike	73	69 S1-	
890-3322-A-2-E MSD	Matrix Spike Duplicate	90	85	
890-3334-1	PH10A	97	115	
890-3334-2	PH10B	107	123	
890-3334-3	PH10C	91	106	
890-3334-4	PH08A	97	114	
390-3334-5	PH08B	98	100	
890-3334-6	PH08C	82	86	
890-3334-7	PH09A	80	82	
890-3334-8	PH09B	81	84	
890-3334-9	PH09C	89	93	
890-3335-A-1-C MS	Matrix Spike	88	86	
890-3335-A-1-D MSD	Matrix Spike Duplicate	79	76	
LCS 880-38325/2-A	Lab Control Sample	112	120	
LCS 880-38417/2-A	Lab Control Sample	101	106	
LCS 880-38436/2-A	Lab Control Sample	107	133 S1+	
LCSD 880-38325/3-A	Lab Control Sample Dup	121	128	
LCSD 880-38417/3-A	Lab Control Sample Dup	90	95	
LCSD 880-38436/3-A	Lab Control Sample Dup	108	128	
MB 880-38325/1-A	Method Blank	77	83	
MB 880-38417/1-A	Method Blank	92	99	
MB 880-38436/1-A	Method Blank	87	109	



Prep Type: Total/NA

Page 32 of 83

Eurofins Carlsbad

Prep Type: Total/NA

Received by OCD: 12/2/2022 11:34:15 AM

Client: Ensolum Project/Site: SV Kim Harris #003

Surrogate Legend

1CO = 1-Chlorooctane OTPH = o-Terphenyl Job ID: 890-3334-1 SDG: 09C2041003

5
6
8
9

Eurofins Carlsbad

Surrogate Summary

QC Sample Results

Client: Ensolum Project/Site: SV Kim Harris #003

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-38292	/ 5-A								Client Sa	ample ID: N	lethod	l Blank
Matrix: Solid										Prep Ty	pe: To	otal/NA
Analysis Batch: 38317										Prep l	Batch:	38292
	M	З МВ										
Analyte	Resu	t Qualifier		RL	Unit		D	P	repared	Analyze	d	Dil Fac
Benzene	<0.0020	ว บ	0.00	200	mg/K	g	_	10/3	1/22 13:44	11/01/22 1	1:42	1
Toluene	<0.0020	U C	0.00	200	mg/K	g		10/3	1/22 13:44	11/01/22 1	1:42	1
Ethylbenzene	<0.0020	U C	0.00	200	mg/K	g		10/3	1/22 13:44	11/01/22 1	1:42	1
m-Xylene & p-Xylene	<0.0040	D U	0.00	400	mg/K	g		10/3	1/22 13:44	11/01/22 1	1:42	1
o-Xylene	<0.0020	D U	0.00	200	mg/K	g		10/3	1/22 13:44	11/01/22 1 ⁻	1:42	1
Xylenes, Total	<0.0040	D U	0.00	400	mg/K	g		10/3	1/22 13:44	11/01/22 1	1:42	1
	М	3 <i>MB</i>										
Surrogate	%Recover	y Qualifier	Limits	6				P	repared	Analyze	d	Dil Fac
4-Bromofluorobenzene (Surr)	9	6	70 - 13	30				10/3	1/22 13:44	11/01/22 1	1:42	1
1,4-Difluorobenzene (Surr)	10	1	70 - 13	30				10/3	1/22 13:44	11/01/22 1	1:42	1
_ 												
Lab Sample ID: MB 880-38396 Matrix: Solid	/5-A								Client Sa	ample ID: N		
										Prep Ty		
Analysis Batch: 38317	M	з мв								Prepi	satch:	38396
Analyte		t Qualifier		RL	Unit		D	P	repared	Analyze	Ч	Dil Fac
Benzene	<0.0020		0.00		<u></u>	a	_		1/22 13:17	11/01/22 22		1
Toluene	<0.0020		0.00		mg/K	-			1/22 13:17	11/01/22 22		1
Ethylbenzene	<0.0020		0.00		mg/K	-			1/22 13:17	11/01/22 22		1
m-Xylene & p-Xylene	<0.0020		0.00		mg/K				1/22 13:17	11/01/22 22		1
o-Xylene	<0.0040		0.00		mg/K	-			1/22 13:17	11/01/22 22		1
Xylenes, Total	<0.0020		0.00		mg/K	-			1/22 13:17	11/01/22 22		1
Ayienes, iotai	~0.0040	5 0	0.00	400	iiig/it	9		11/0	1/22 13.17	11/01/22 22	2.52	'
	M	B MB										
Surrogate	%Recover		Limits					P	repared	Analyze		Dil Fac
4-Bromofluorobenzene (Surr)	9		70 - 13						1/22 13:17	11/01/22 2		1
1,4-Difluorobenzene (Surr)	9	4	70 - 13	30				11/0	1/22 13:17	11/01/22 2.	2:52	1
Lab Sample ID: LCS 880-3839	6/1-A						С	lient	Sample	ID: Lab Co	ntrol S	Sample
Matrix: Solid										Prep Ty		
Analysis Batch: 38317												38396
· · · · · · · · · · · · · · · · · · ·			Spike	LCS	LCS					%Rec		
Analyte			Added	Result	Qualifier	Unit		D	%Rec	Limits		
Benzene			0.100	0.09196		mg/Kg			92	70 - 130		
Toluene			0.100	0.09375		mg/Kg			94	70 - 130		
Ethylbenzene			0.100	0.09317		mg/Kg			93	70 - 130		
m-Xylene & p-Xylene			0.200	0.1708		mg/Kg			85	70 - 130		
o-Xylene			0.100	0.09774		mg/Kg			98	70 - 130		
Surrogate	LCS LC %Recovery Qu		Limits									
4-Bromofluorobenzene (Surr)	86	anner	70 - 130									
1,4-Difluorobenzene (Surr)	100		70 - 130 70 - 130									
	100		10 - 100									
Lab Sample ID: LCSD 880-383	96/2-A					Cli	ent	Sam	ple ID: L	ab Control		
Matrix: Solid										Prep Ty	pe: To	otal/NA
Analysis Batch: 38317										Prep l	Batch:	38396
			Spike	LCSD	LCSD					%Rec		RPD
Analyte			Added	Result	Qualifier	Unit		D	%Rec	Limits	RPD	Limit
Benzene			0.100	0.09381		mg/Kg			94	70 - 130	2	35

SDG: 09C2041003

5

7

Page 34 of 83

QC Sample Results

Client: Ensolum Project/Site: SV Kim Harris #003 Job ID: 890-3334-1 SDG: 09C2041003

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

Lab Sample ID: LCSD 880-3	8396/2-A					Clier	nt Sam	ple ID: I	Lab Contro	I Sampl	e Dup
Matrix: Solid									Prep 1	Type: To	tal/N/
Analysis Batch: 38317									Prep	Batch:	38396
-			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limi
Toluene			0.100	0.09579		mg/Kg		96	70 - 130	2	3
Ethylbenzene			0.100	0.09325		mg/Kg		93	70 - 130	0	3
m-Xylene & p-Xylene			0.200	0.1693		mg/Kg		85	70 - 130	1	3
o-Xylene			0.100	0.09677		mg/Kg		97	70 - 130	1	3
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	84		70 - 130								
1,4-Difluorobenzene (Surr)	100		70 - 130								
Lab Sample ID: 880-20949-A	A-1-C MS							Client	Sample ID	: Matrix	Spike
Matrix: Solid										ype: To	
Analysis Batch: 38317										Batch:	
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	<0.00200	U	0.0998	0.07863		mg/Kg		78	70 - 130		
Toluene	<0.00200	U	0.0998	0.07892		mg/Kg		79	70 - 130		
Ethylbenzene	<0.00200	U	0.0998	0.07719		mg/Kg		77	70 - 130		
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1450		mg/Kg		73	70 - 130		
o-Xylene	<0.00200	U	0.0998	0.08347		mg/Kg		84	70 - 130		
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	93		70 - 130								
1,4-Difluorobenzene (Surr)	96		70 - 130								
Lab Sample ID: 880-20949-A	A-1-D MSD					Cli	ient Sa	ample IC): Matrix Sp	oike Dup	olicate
Matrix: Solid									Prep 1	Type: To	tal/NA
Analysis Batch: 38317									Prep	Batch:	38396
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limi
Benzene	<0.00200	U	0.0990	0.07810		mg/Kg		78	70 - 130	1	35
Toluene	<0.00200	U	0.0990	0.07953		mg/Kg		80	70 - 130	1	35
Ethylbenzene	<0.00200	U	0.0990	0.07936		mg/Kg		80	70 - 130	3	35
m-Xylene & p-Xylene	<0.00401	U	0.198	0.1511		mg/Kg		76	70 - 130	4	35

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

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

Lab Sample ID: MB 880-38325/1-A Matrix: Solid Analysis Batch: 38323	МВ	МВ				Client Sa	mple ID: Metho Prep Type: ⊺ Prep Batch	Total/NA
Analyte Gasoline Range Organics	Result <50.0	Qualifier	RL	 Unit mg/Kg	<u>D</u>	Prepared 11/01/22 08:49	Analyzed 11/01/22 09:56	Dil Fac
(GRO)-C6-C10								

QC Sample Results

Client: Ensolum Project/Site: SV Kim Harris #003

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

Lab Sample ID: MB 880-38325	5/1-A								Client Sa	ample ID: N		
Matrix: Solid										Prep T		
Analysis Batch: 38323										Prep	Batch:	38325
		AB MB										
Analyte		ult Qualifier			Unit		D		epared	Analyze		Dil Fac
Diesel Range Organics (Over C10-C28)	<50).0 U	50.0		mg/K	g		11/01	/22 08:49	11/01/22 0	9:56	1
Oll Range Organics (Over C28-C36)	<50).0 U	50.0		mg/K	g		11/01	/22 08:49	11/01/22 0	9:56	1
	4	MB MB										
Surrogate	%Recove		Limits					Pr	epared	Analyz	ed	Dil Fac
1-Chlorooctane		77	70 - 130				-		/22 08:49	11/01/22 0		1
o-Terphenyl		83	70 - 130					11/01	/22 08:49	11/01/22 0	9:56	1
Lab Sample ID: LCS 880-3832	25/2-4						CI	ient	Sample	ID: Lab Co	ntrol S	Sample
Matrix: Solid									oumpio	Prep T		-
Analysis Batch: 38323												38325
· · · · · , · · · · · · · · · · · · · · · · · · ·			Spike	LCS	LCS					%Rec		
Analyte			Added	Result	Qualifier	Unit		D	%Rec	Limits		
Gasoline Range Organics			1000	1179		mg/Kg			118	70 - 130		
(GRO)-C6-C10												
Diesel Range Organics (Over C10-C28)			1000	1120		mg/Kg			112	70 - 130		
	LCS L	cs										
	%Recovery Q	Jualifior	Limits									
Surrogate	MRecovery G	aumer	Linits									
Surrogate 1-Chlorooctane			70 - 130									
1-Chlorooctane o-Terphenyl	112 120		70 - 130					.		-h Control	0	In Drug
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-383	112 120		70 - 130			Cli	ent	Sam	ple ID: L	ab Contro	-	
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-383 Matrix: Solid	112 120		70 - 130			Cli	ent	Sam	ple ID: L	Prep T	ype: To	otal/NA
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-383	112 120		70 - 130 70 - 130	LCSD		Cli	ent	Sam	ple ID: L	Prep T Prep	ype: To	otal/NA 38325
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-383 Matrix: Solid Analysis Batch: 38323	112 120		70 - 130 70 - 130 Spike		LCSD Qualifier		ent		-	Prep T Prep %Rec	ype: To Batch:	otal/NA 38325 RPD
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-383 Matrix: Solid Analysis Batch: 38323 Analyte	112 120		70 - 130 70 - 130	Result	LCSD Qualifier	Unit	ent	Sam	ple ID: L	Prep T Prep %Rec Limits	ype: To	otal/NA 38325
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-383 Matrix: Solid Analysis Batch: 38323 Analyte	112 120		70 - 130 70 - 130 Spike Added				ent s		%Rec	Prep T Prep %Rec	ype: To Batch: RPD	38325 RPD Limit
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-383 Matrix: Solid Analysis Batch: 38323 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	112 120		70 - 130 70 - 130 Spike Added	Result		Unit	ent s		%Rec	Prep T Prep %Rec Limits	ype: To Batch: RPD	38325 RPD Limit
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-383 Matrix: Solid Analysis Batch: 38323 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	112 120		70 - 130 70 - 130 Spike Added 1000	Result 1081		_ <mark>Unit</mark> mg/Kg	ent s		%Rec	Prep T Prep %Rec Limits 70 - 130	ype: To Batch: <u>RPD</u> 9	tal/NA 38325 RPD Limit 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-383 Matrix: Solid Analysis Batch: 38323 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	112 120		70 - 130 70 - 130 Spike Added 1000	Result 1081		_ <mark>Unit</mark> mg/Kg	ent :		%Rec	Prep T Prep %Rec Limits 70 - 130	ype: To Batch: <u>RPD</u> 9	tal/NA 38325 RPD Limit 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-383 Matrix: Solid Analysis Batch: 38323 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	112 120 325/3-A	CSD	70 - 130 70 - 130 Spike Added 1000	Result 1081		_ <mark>Unit</mark> mg/Kg	ient :		%Rec	Prep T Prep %Rec Limits 70 - 130	ype: To Batch: <u>RPD</u> 9	tal/NA 38325 RPD Limit 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-383 Matrix: Solid Analysis Batch: 38323 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	112 120 325/3-A	CSD	70 - 130 70 - 130 Spike Added 1000	Result 1081		_ <mark>Unit</mark> mg/Kg	ient :		%Rec	Prep T Prep %Rec Limits 70 - 130	ype: To Batch: <u>RPD</u> 9	tal/NA 38325 RPD Limit 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-383 Matrix: Solid Analysis Batch: 38323 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate	112 120 325/3-A LCSD L %Recovery Q	CSD	70 - 130 70 - 130 Spike Added 1000 1000	Result 1081		_ <mark>Unit</mark> mg/Kg	ient :		%Rec	Prep T Prep %Rec Limits 70 - 130	ype: To Batch: <u>RPD</u> 9	tal/NA 38325 RPD Limit 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-383 Matrix: Solid Analysis Batch: 38323 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl	112 120 325/3-A <i>LCSD L</i> <u>%Recovery Q</u> 121 128	CSD	70 - 130 70 - 130 Spike Added 1000 1000 Limits 70 - 130	Result 1081		_ <mark>Unit</mark> mg/Kg	ent :		%Rec 108 123	Prep T %Rec Limits 70 - 130 70 - 130	ype: To Batch: RPD 9 10	38325 RPD Limit 20 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-383 Matrix: Solid Analysis Batch: 38323 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane	112 120 325/3-A <i>LCSD L</i> <u>%Recovery Q</u> 121 128	CSD	70 - 130 70 - 130 Spike Added 1000 1000 Limits 70 - 130	Result 1081		_ <mark>Unit</mark> mg/Kg	ient :		%Rec 108 123	Prep T %Rec Limits 70 - 130 70 - 130 Sample ID:	ype: To Batch: RPD 9 10 Matrix	stal/NA 38325 RPD Limit 20 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-383 Matrix: Solid Analysis Batch: 38323 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3322-A-2-	112 120 325/3-A <i>LCSD L</i> <u>%Recovery Q</u> 121 128	CSD	70 - 130 70 - 130 Spike Added 1000 1000 Limits 70 - 130	Result 1081		_ <mark>Unit</mark> mg/Kg	ient :		%Rec 108 123	Prep T %Rec Limits 70 - 130 70 - 130 70 - 130 Sample ID: Prep T	ype: To Batch: <u>RPD</u> 9 10 Matrix ype: To	stal/NA 38325 RPD Limit 20 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-383 Matrix: Solid Analysis Batch: 38323 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3322-A-2- Matrix: Solid	112 120 325/3-A <i>LCSD L</i> <u>%Recovery Q</u> 121 128	CSD Qualifier	70 - 130 70 - 130 Spike Added 1000 1000 Limits 70 - 130	Result 1081	Qualifier	_ <mark>Unit</mark> mg/Kg	ient :		%Rec 108 123	Prep T %Rec Limits 70 - 130 70 - 130 70 - 130 Sample ID: Prep T	ype: To Batch: <u>RPD</u> 9 10 Matrix ype: To	stal/NA 38325 RPD Limit 20 20 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-383 Matrix: Solid Analysis Batch: 38323 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3322-A-2- Matrix: Solid	112 120 325/3-A <i>LCSD L</i> %Recovery Q 121 128 -D MS	CSD Qualifier	70 - 130 70 - 130 Spike Added 1000 1000 <u>Limits</u> 70 - 130 70 - 130	Result 1081 1234 MS	Qualifier	_ <mark>Unit</mark> mg/Kg	ent :		%Rec 108 123	Prep T Prep %Rec Limits 70 - 130 70 - 130 70 - 130 Sample ID: Prep T Prep T	ype: To Batch: <u>RPD</u> 9 10 Matrix ype: To	stal/NA 38325 RPD Limit 20 20 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-383 Matrix: Solid Analysis Batch: 38323 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3322-A-23 Matrix: Solid Analysis Batch: 38323 Analyte Gasoline Range Organics	112 120 325/3-A <i>LCSD L</i> %Recovery Q 121 128 -D MS Sample S	CSD Qualifier	70 - 130 70 - 130 Spike Added 1000 1000 Limits 70 - 130 70 - 130 70 - 130	Result 1081 1234 MS	Qualifier	- <mark>Unit</mark> mg/Kg mg/Kg	ent :	<u>D</u> .	%Rec 108 123	Prep T Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 8 Sample ID: Prep T Prep T Prep T %Rec	ype: To Batch: <u>RPD</u> 9 10 Matrix ype: To	stal/NA 38325 RPD Limit 20 20 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-383 Matrix: Solid Analysis Batch: 38323 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3322-A-2- Matrix: Solid Analysis Batch: 38323 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	112 120 325/3-A 	CSD Qualifier	70 - 130 70 - 130 Spike Added 1000 1000 <i>Limits</i> 70 - 130 70 - 130 70 - 130	Result 1081 1234 MS Result	Qualifier	Unit mg/Kg mg/Kg	ent :	<u>D</u> .	%Rec 108 123 Client \$	Prep T Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 190 70 - 1	ype: To Batch: <u>RPD</u> 9 10 Matrix ype: To	stal/NA 38325 RPD Limit 20 20 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-383 Matrix: Solid Analysis Batch: 38323 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3322-A-23 Matrix: Solid Analysis Batch: 38323 Analyte Gasoline Range Organics (GRO)-C6-C10	112 120 325/3-A 325/3-A <i>LCSD %Recovery</i> 121 128 -D MS Sample Sample Sample <50.0	CSD Qualifier Qualifier U F1 V F1 F2	70 - 130 70 - 130 Spike Added 1000 1000 1000 1000 1000 Spike Added 997	Result 1081 1234 MS Result 1043	Qualifier	Unit mg/Kg mg/Kg	ient :	<u>D</u> .	%Rec 108 123 Client \$ %Rec 102	Prep T Prep %Rec Limits 70 - 130 70 - 130 70 - 130 %Rec Image: state stat	ype: To Batch: <u>RPD</u> 9 10 Matrix ype: To	stal/NA 38325 RPD Limit 20 20 20

5

Job ID: 890-3334-1

SDG: 09C2041003

73

69 S1-

1-Chlorooctane

o-Terphenyl

70 - 130

70 - 130
Client: Ensolum Project/Site: SV Kim Harris #003

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

	E MSD								Clie	nt Sa	ample ID	: Matrix Sp	oike Du	olicate
Matrix: Solid													ype: To	
Analysis Batch: 38323													Batch:	
· · · · · · · · · · · · · · · · · · ·	Sample	Sam	ple	Spike	MSD	MSD						%Rec		RPD
Analyte	Result		•	Added	Result	Qualifi	ier	Unit		D	%Rec	Limits	RPD	Limit
Gasoline Range Organics		U F1		999	899.6			mg/Kg		-	88	70 - 130	15	20
(GRO)-C6-C10								5 5						
Diesel Range Organics (Over	<50.0	U F1	F2	999	1022	F2		mg/Kg			98	70 - 130	23	20
C10-C28)														
	MSD	MSD)											
Surrogate	%Recovery	Qua		Limits										
1-Chlorooctane	90			70 - 130										
o-Terphenyl	85			70 - 130										
				101100										
Lab Sample ID: MB 880-38417	/ 1-A										Client Sa	ample ID:	Method	Blank
Matrix: Solid													ype: To	
Analysis Batch: 38323													Batch:	
		мв	МВ											•••••
Analyte	R		Qualifier	F	RL	ι	Jnit		D	P	repared	Analyz	ed	Dil Fac
Gasoline Range Organics		50.0		50	_		ng/Kg		—		1/22 15:08	11/01/22		1
(GRO)-C6-C10			-											
Diesel Range Organics (Over	<	50.0	U	50	.0	n	ng/Kg			11/0	1/22 15:08	11/01/22	21:10	1
C10-C28)														
Oll Range Organics (Over C28-C36)	<	50.0	U	50	.0	n	ng/Kg			11/0	1/22 15:08	11/01/22	21:10	1
		ΜВ	МВ											
Surrogate	%Reco			Limits						D	repared	Analyz	~ d	Dil Fac
1-Chlorooctane	///////////////////////////////////////	92	Quaimer	70 - 130	<u> </u>						1/22 15:08	11/01/22		1
o-Terphenyl		92 99		70 - 130 70 - 130							1/22 15:00	11/01/22		1
- Telphenyi		33		70 - 730						11/0	1722 10.00	11/01/22 1	21.10	,
Lab Sample ID: LCS 880-3841	7/2-A								С	lient	Sample	ID: Lab Co	ontrol S	ample
Matrix: Solid													ype: To	
Analysis Batch: 38323													Batch:	
				Spike	LCS	LCS						%Rec		•••••
Analyte				Added		Qualifi	ier	Unit		D	%Rec	Limits		
Gasoline Range Organics				1000	1076			mg/Kg			108	70 - 130		
(GRO)-C6-C10														
Diesel Range Organics (Over				1000	1008			mg/Kg			101	70 - 130		
C10-C28)														
	LCS	109												
Surrogate	%Recovery			Limits										
1-Chlorooctane	101	qua		70 - 130										
o-Terphenyl	106			70 - 130										
-	100			10-100										
Lab Sample ID: LCSD 880-384	17/3-A							CI	ient	Sam	ple ID: L	ab Contro	l Samp	le Dup
Matrix: Solid													ype: To	
Analysis Batch: 38323													Batch:	
				Spike	LCSD	LCSD						%Rec		RPD
Analyte				Added		Qualifi	ier	Unit		D	%Rec	Limits	RPD	Limit
Gasoline Range Organics				1000	1087			mg/Kg		· —	109	70 - 130	1	20
(GRO)-C6-C10								5 5						-
Diesel Range Organics (Over				1000	910.4			mg/Kg			91	70 - 130	10	20
C10-C28)														

Job ID: 890-3334-1 SDG: 09C2041003

Client: Ensolum Project/Site: SV Kim Harris #003

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

Lab Sample ID: LCSD 880-384	17/3-A								Cli	ent	Sam	nle ID [.] I	ab Control S	Sampl	e Dun
Matrix: Solid	177 5- A									em	Jam		Prep Typ		-
Analysis Batch: 38323													Prep B		
Analysis Batch. 30323													гтер в	aten.	50417
	LCSD	LCSI	ס												
Surrogate	%Recovery	Qual	ifier	Limits											
1-Chlorooctane	90			70 - 130											
o-Terphenyl	95			70 - 130											
Lab Sample ID: 890-3335-A-1-0	CMS											Client S	Sample ID: N	latrix	Spike
Matrix: Solid													Prep Typ	e: To	tal/NA
Analysis Batch: 38323													Prep B	atch:	38417
	Sample	Samp	ole	Spike		MS	MS						%Rec		
Analyte	Result	Quali	ifier	Added		Result	Qual	ifier	Unit		D	%Rec	Limits		
Gasoline Range Organics	<50.0	U		997		812.4			mg/Kg			79	70 - 130		
(GRO)-C6-C10															
Diesel Range Organics (Over	77.7	F1		997		799.4			mg/Kg			72	70 - 130		
C10-C28)															
	MS	мs													
Surrogate	%Recovery	Qual	ifier	Limits											
1-Chlorooctane	88			70 - 130											
o-Terphenyl	86			70 - 130											
Lab Sample ID: 890-3335-A-1-E	D MSD								(Clie	nt Sa	mple ID:	Matrix Spik	e Dup	licate
Matrix: Solid													Prep Typ		
Analysis Batch: 38323													Prep B		
·	Sample	Sami	ole	Spike		MSD	MSD						%Rec		RPD
Analyte	Result			Added		Result			Unit		D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	<50.0			999		984.3			mg/Kg			96 -	70 - 130	19	20
(GRO)-C6-C10	-00.0	U		000		001.0			iiig/itg			00	10-100	10	20
Diesel Range Organics (Over	77.7	F1		999		702.0	F1		mg/Kg			62	70 - 130	13	20
C10-C28)									0 0						
		MSD		,											
Surrogate	%Recovery	Qual	ifier	Limits											
1-Chlorooctane	79			70 - 130											
o-Terphenyl	76			70 - 130											
- Lab Sample ID: MD 990 29420	14 A											Client Co		the ad	Diamir
Lab Sample ID: MB 880-38436/	/1-A											Chefit Sa	mple ID: Me		
Matrix: Solid													Prep Typ		
Amelia Detals 20457													Prep B	atch:	38436
Analysis Batch: 38457															
	_	МВ								_	_				
Analyte		esult	Qualifier		RL			Unit		D		repared	Analyzed		Dil Fac
Analyte Gasoline Range Organics			Qualifier		RL 50.0			Unit mg/Kg		<u>D</u>		repared 1/22 16:40	Analyzed		Dil Fac 1
Analyte Gasoline Range Organics (GRO)-C6-C10	<	esult 50.0	Qualifier U		50.0			mg/Kg		D	11/0	1/22 16:40	11/02/22 22:	03	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<	esult	Qualifier U							<u>D</u>	11/0	-		03	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<	esult 50.0	Qualifier U		50.0 50.0			mg/Kg mg/Kg		<u>D</u>	11/0	1/22 16:40 1/22 16:40	11/02/22 22:	03 03	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<	esult 50.0	Qualifier U		50.0			mg/Kg		<u>D</u>	11/0	1/22 16:40	11/02/22 22:	03 03	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<	esult 50.0	Qualifier U U		50.0 50.0			mg/Kg mg/Kg		<u>D</u>	11/0	1/22 16:40 1/22 16:40	11/02/22 22:	03 03	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<	esult 50.0 50.0 50.0 50.0 MB	Qualifier U U	 Limi	50.0 50.0 50.0			mg/Kg mg/Kg		<u>D</u>	11/0 11/0 11/0	1/22 16:40 1/22 16:40	11/02/22 22:	03 03 03	1

Job ID: 890-3334-1 SDG: 09C2041003

Eurofins Carlsbad

11/02/22 22:03

11/01/22 16:40

o-Terphenyl

70 - 130

109

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

and the Details 20457										Гуре: То	
Analysis Batch: 38457									Prep	Batch:	38436
			Spike		LCS		_		%Rec		
Analyte			Added		Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics			1000	844.0		mg/Kg		84	70 - 130		
(GRO)-C6-C10 Diesel Range Organics (Over			1000	1140		mg/Kg		114	70 - 130		
C10-C28)			1000	1140		iiig/itg		114	70 - 100		
,											
	LCS										
Surrogate 1-Chlorooctane	%Recovery 107	Qualifier									
o-Terphenyl		S1+	70 - 130 70 - 130								
o ioipiioiiyi	155	57.	10 - 100								
Lab Sample ID: LCSD 880-384	436/3-A					Clier	nt Sam	ple ID:	Lab Contro	ol Sampl	e Dup
Matrix: Solid								•		Гуре: То	
Analysis Batch: 38457										Batch:	
			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics			1000	881.3		mg/Kg		88	70 - 130	4	20
(GRO)-C6-C10											
Diesel Range Organics (Over			1000	1139		mg/Kg		114	70 - 130	0	20
C10-C28)											
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	108		70 - 130								
p-Terphenyl	128		70 - 130								
								Olivert	0		0
Lab Sample ID: 880-21015-A-1	1-D INI 2							Client	Sample ID		
Motrix: Colid											
											tal/NA
	Sample	Sample	Spike	MS	MS				Prep	Batch:	
Matrix: Solid Analysis Batch: 38457 ^{Analyte}	Sample Result		Spike Added	MS Result	MS Qualifier	Unit	D	%Rec			
Analysis Batch: 38457 Analyte	•	Sample Qualifier	-				D	<u>%Rec</u>	Prep %Rec		
Analysis Batch: 38457 Analyte Gasoline Range Organics	Result		Added	Result		- <mark>Unit</mark> mg/Kg	D		Prep %Rec Limits		
Analysis Batch: 38457 Analyte Gasoline Range Organics (GRO)-C6-C10	Result	Qualifier	Added	Result	Qualifier		<u> </u>		Prep %Rec Limits		
Analysis Batch: 38457 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result 532	Qualifier	Added	Result 1528	Qualifier	mg/Kg	<u>D</u>	100	Prep %Rec Limits 70 - 130		
Analysis Batch: 38457 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result 532	Qualifier F1	Added	Result 1528	Qualifier	mg/Kg	<u> </u>	100	Prep %Rec Limits 70 - 130		
Analysis Batch: 38457 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result 532 2380 MS	Qualifier F1 MS	Added	Result 1528	Qualifier	mg/Kg	<u>D</u>	100	Prep %Rec Limits 70 - 130		
Analysis Batch: 38457 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate	Result 532 2380	Qualifier F1 MS	Added	Result 1528	Qualifier	mg/Kg	<u> </u>	100	Prep %Rec Limits 70 - 130		
Analysis Batch: 38457 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result 532 2380 MS %Recovery	Qualifier F1 MS	Added 997 997 Limits	Result 1528	Qualifier	mg/Kg	D	100	Prep %Rec Limits 70 - 130		
Analysis Batch: 38457 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane	Result 532 2380 MS %Recovery 90	Qualifier F1 MS	Added 997 997 <u>Limits</u> 70 - 130	Result 1528	Qualifier	mg/Kg	<u> </u>	100	Prep %Rec Limits 70 - 130		
Analysis Batch: 38457 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane p-Terphenyl	Result 532 2380 MS %Recovery 90 85	Qualifier F1 MS	Added 997 997 <u>Limits</u> 70 - 130	Result 1528	Qualifier	mg/Kg		 52	Prep %Rec Limits 70 - 130	Batch:	38436
Analysis Batch: 38457 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane	Result 532 2380 MS %Recovery 90 85	Qualifier F1 MS	Added 997 997 <u>Limits</u> 70 - 130	Result 1528	Qualifier	mg/Kg		 52	Prep %Rec Limits 70 - 130 70 - 130 70 - 130 0: Matrix Sp Prep	Batch: pike Dup Type: To	38436
Analysis Batch: 38457 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-21015-A-*	Result 532 2380 MS %Recovery 90 85	Qualifier F1 MS	Added 997 997 <u>Limits</u> 70 - 130	Result 1528	Qualifier	mg/Kg		 52	Prep %Rec Limits 70 - 130 70 - 130 70 - 130 0: Matrix Sp Prep	Batch:	38436
Analysis Batch: 38457 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane to-Terphenyl Lab Sample ID: 880-21015-A Matrix: Solid	Result 532 2380 MS %Recovery 90 85	Qualifier F1 MS Qualifier	Added 997 997 <u>Limits</u> 70 - 130	Result 1528 2896	Qualifier	mg/Kg		 52	Prep %Rec Limits 70 - 130 70 - 130 70 - 130 0: Matrix Sp Prep	Batch: pike Dup Type: To	38436
Analysis Batch: 38457 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane to-Terphenyl Lab Sample ID: 880-21015-A Matrix: Solid Analysis Batch: 38457	Result 532 2380 MS %Recovery 90 85 1-E MSD Sample Result	Qualifier F1 MS Qualifier	Added 997 997 <u>Limits</u> 70 - 130 70 - 130	Result 1528 2896 MSD	Qualifier F1	mg/Kg		100 52 ample IE	Prep %Rec Limits 70 - 130 70 - 130 70 - 130 9: Matrix Sp Prep 7 Prep 7	Batch: pike Dup Type: To	38436
Analysis Batch: 38457 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane p-Terphenyl Lab Sample ID: 880-21015-A Matrix: Solid Analysis Batch: 38457 Analyte Gasoline Range Organics	Result 532 2380 MS %Recovery 90 85 1-E MSD Sample	Qualifier F1 MS Qualifier Sample	Added 997 997 <u>Limits</u> 70 - 130 70 - 130 Spike	Result 1528 2896 MSD	Qualifier F1	mg/Kg mg/Kg Cl	ient Sa	52	Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - Prep 7 Prep 7 Prep 7 %Rec	pike Dup Type: To Batch:	38436 blicate tal/NA 38436 RPD
Analysis Batch: 38457 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane p-Terphenyl Lab Sample ID: 880-21015-A Matrix: Solid Analysis Batch: 38457 Analyte Gasoline Range Organics (GRO)-C6-C10	Result 532 2380 MS %Recovery 90 85 1-E MSD Sample Result 532	Qualifier F1 MS Qualifier Sample Qualifier	Added 997 997 <u>Limits</u> 70 - 130 70 - 130 70 - 130 Spike Added 999	Result 1528 2896 MSD Result 1605	Qualifier F1 MSD Qualifier	mg/Kg mg/Kg Cl Unit mg/Kg	ient Sa	100 52 ample IE <u>%Rec</u> 107	Prep %Rec Limits 70 - 130 70 - 130 70 - 130 0: Matrix Sp Prep %Rec Limits 70 - 130	pike Dup Type: To Batch: 	38436 Diicate tal/NA 38436 RPD Limit 20
Analysis Batch: 38457 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane p-Terphenyl Lab Sample ID: 880-21015-A Matrix: Solid Analysis Batch: 38457 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result 532 2380 MS %Recovery 90 85 1-E MSD Sample Result	Qualifier F1 MS Qualifier Sample Qualifier	Added 997 997 <u>Limits</u> 70 - 130 70 - 130 Spike Added	Result 1528 2896 MSD Result	Qualifier F1 MSD Qualifier	mg/Kg mg/Kg Cl	ient Sa	100 52 ample IE	Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 190 70 - 190	pike Dup Type: To Batch: 	38436 Diicate tal/NA 38436 RPD Limit
Analysis Batch: 38457 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane to-Terphenyl Lab Sample ID: 880-21015-A Matrix: Solid	Result 532 2380 MS %Recovery 90 85 1-E MSD Sample Result 532	Qualifier F1 MS Qualifier Sample Qualifier	Added 997 997 <u>Limits</u> 70 - 130 70 - 130 70 - 130 Spike Added 999	Result 1528 2896 MSD Result 1605	Qualifier F1 MSD Qualifier	mg/Kg mg/Kg Cl Unit mg/Kg	ient Sa	100 52 ample IE <u>%Rec</u> 107	Prep %Rec Limits 70 - 130 70 - 130 70 - 130 0: Matrix Sp Prep %Rec Limits 70 - 130	pike Dup Type: To Batch: 	38436 Diicate tal/NA 38436 RPD Limit 20
Analysis Batch: 38457 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane p-Terphenyl Lab Sample ID: 880-21015-A Matrix: Solid Analysis Batch: 38457 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result 532 2380 MS %Recovery 90 85 1-E MSD Sample Result 532	Qualifier F1 MS Qualifier Sample Qualifier F1	Added 997 997 <u>Limits</u> 70 - 130 70 - 130 70 - 130 Spike Added 999	Result 1528 2896 MSD Result 1605	Qualifier F1 MSD Qualifier	mg/Kg mg/Kg Cl Unit mg/Kg	ient Sa	100 52 ample IE <u>%Rec</u> 107	Prep %Rec Limits 70 - 130 70 - 130 70 - 130 0: Matrix Sp Prep %Rec Limits 70 - 130	pike Dup Type: To Batch: 	38436 Diicate tal/NA 38436 RPD Limit 20

Job ID: 890-3334-1

SDG: 09C2041003

QC Sample Results

Client: Ensolum Project/Site: SV Kim Harris #003

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

Lab Sample ID: 880-21015-A-1-E Matrix: Solid	MSD						Client	Sample	ID: Matrix S Prep ⁻	pike Du _l Type: To	-
Analysis Batch: 38457										Batch:	
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
o-Terphenyl	90		70 - 130								
lethod: 300.0 - Anions, Ion (Chromat	ography									
Lab Sample ID: MB 880-38328/1-4		0.7						Client	Sample ID:	Mothod	Blan
Matrix: Solid	•							Client		Type: S	
Analysis Batch: 38427											
		MB MB									
Analyte		esult Qualifier		RL	Unit		D	Prepared	Analyz		Dil Fa
Chloride	<	<5.00 U		5.00	mg/Ko	9			11/01/22	19:36	
Lab Sample ID: LCS 880-38328/2-	-A						Clie	nt Samp	le ID: Lab C	ontrol S	amp
Matrix: Solid									Prep	Type: S	olub
Analysis Batch: 38427											
			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit		%Rec	Limits		
Chloride			250	260.1		mg/Kg		104	90 - 110		
_ab Sample ID: LCSD 880-38328/	2 ^					CI	ont Sa		: Lab Contro	l Samn	
Matrix: Solid	J-A						ent Sa			Type: S	
									Fieb	Type. 3	olui
Analysis Batch: 38427			Spike	LCSD					%Rec		R
Analyte			Added		Qualifier	Unit	0) %Rec	Limits	RPD	Lii
			250	260.1	Quaimer	mg/Kg	<u>-</u>	104	90 - 110	0	
			200	200.1		mg/rtg		104	50-110	0	
_ab Sample ID: 880-20959-A-11-B	S MS							Clier	nt Sample ID	: Matrix	. Spi
Matrix: Solid										Type: S	
Analysis Batch: 38427											
	Sample	Sample	Spike	MS	MS				%Rec		
	Sample	oumpio	opino) %Rec	Limits		
	•	Qualifier	Added	Result	Qualifier	Unit	L				
Analyte	•	•		Result 841.2	Qualifier	Unit mg/Kg	L	94	90 - 110		
Analyte	Result 605	•	Added		Qualifier	mg/Kg				oike Du	plica
Analyte Chloride Lab Sample ID: 880-20959-A-11-C	Result 605	•	Added		Qualifier	mg/Kg			ID: Matrix S		
Analyte Chloride Lab Sample ID: 880-20959-A-11-C Matrix: Solid	Result 605	•	Added		Qualifier	mg/Kg			ID: Matrix S	pike Du Type: S	
Analyte Chloride Lab Sample ID: 880-20959-A-11-C Matrix: Solid	Result 605	Qualifier	Added 251	841.2		mg/Kg			ID: Matrix S Prep		Solut
Analyte Chloride Lab Sample ID: 880-20959-A-11-C Matrix: Solid Analysis Batch: 38427	Result 605 MSD Sample	Qualifier	Added 251 Spike	841.2 MSD	MSD	mg/Kg	Client	Sample	ID: Matrix S Prep %Rec	Type: S	<mark>Solub</mark> RI
Analyte Chloride Lab Sample ID: 880-20959-A-11-C Matrix: Solid Analysis Batch: 38427	Result 605 MSD Sample	Qualifier	Added 251	841.2 MSD		mg/Kg		Sample	ID: Matrix S Prep		R Lii
Analyte Chloride Lab Sample ID: 880-20959-A-11-C Matrix: Solid Analysis Batch: 38427 Analyte Chloride	Result 605 MSD Sample Result 605	Qualifier	Added 251 Spike Added	841.2 MSD Result	MSD	mg/Kg Unit	Client	Sample Sample	ID: Matrix S Prep %Rec Limits 90 - 110	Type: S	R Lii
Analyte Chloride Lab Sample ID: 880-20959-A-11-C Matrix: Solid Analysis Batch: 38427 Analyte Chloride Lab Sample ID: MB 880-38262/1-4	Result 605 MSD Sample Result 605	Qualifier	Added 251 Spike Added	841.2 MSD Result	MSD	mg/Kg Unit	Client	Sample Sample	ID: Matrix S Prep %Rec Limits 90 - 110 Sample ID:	Type: S RPD 0 Method	R Lin Blai
Analyte Chloride Lab Sample ID: 880-20959-A-11-C Matrix: Solid Analysis Batch: 38427 Analyte Chloride Lab Sample ID: MB 880-38262/1-A Matrix: Solid	Result 605 MSD Sample Result 605	Qualifier	Added 251 Spike Added	841.2 MSD Result	MSD	mg/Kg Unit	Client	Sample Sample	ID: Matrix S Prep %Rec Limits 90 - 110 Sample ID:	Type: S	R Lin Blai
Analyte Chloride Lab Sample ID: 880-20959-A-11-C Matrix: Solid Analysis Batch: 38427 Analyte Chloride Lab Sample ID: MB 880-38262/1-A Matrix: Solid	Result 605 MSD Sample Result 605	Qualifier Sample Qualifier	Added 251 Spike Added	841.2 MSD Result	MSD	mg/Kg Unit	Client	Sample Sample	ID: Matrix S Prep %Rec Limits 90 - 110 Sample ID:	Type: S RPD 0 Method	R Lin Blai
Analyte Chloride Lab Sample ID: 880-20959-A-11-C Matrix: Solid Analysis Batch: 38427 Analyte Chloride Lab Sample ID: MB 880-38262/1-A Matrix: Solid Analysis Batch: 38428 Analyte	Result 605 MSD Sample Result 605	Qualifier	Added 251 Spike Added	841.2 MSD Result	MSD	mg/Kg Unit	Client	Sample Sample	ID: Matrix S Prep %Rec Limits 90 - 110 Sample ID:	Type: S <u>RPD</u> 0 Method Type: S	RI Lir

Released to Imaging: 1/5/2023 1:26:53 PM

Project/Site: SV Kim Harris #003

Client: Ensolum

Job ID: 890-3334-1 SDG: 09C2041003

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 88	0-38262/2-A						Client	Sample	D: Lab C	ontrol S	ample
Matrix: Solid										Type: S	
Analysis Batch: 38428											
			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride			250	262.5		mg/Kg		105	90 - 110		
Lab Sample ID: LCSD 8	80-38262/3-A					Clier	nt Sam	ple ID:	Lab Contro	ol Sampl	e Dup
Matrix: Solid										Type: S	
Analysis Batch: 38428											
			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride			250	265.5		mg/Kg		106	90 - 110	1	20
Lab Sample ID: 890-332	29-A-3-B MS							Client	Sample ID	: Matrix	Spike
Matrix: Solid									Prep	Type: S	oluble
Analysis Batch: 38428											
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	42.5		249	301.4		mg/Kg		104	90 _ 110		
Lab Sample ID: 890-332	29-A-3-C MSD					CI	ient Sa	ample IC): Matrix S	oike Dup	olicate
Matrix: Solid								-	Prep	Type: S	oluble
Analysis Batch: 38428											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	42.5		249	297.0		mg/Kg		102	90 - 110	1	20

Client: Ensolum Project/Site: SV Kim Harris #003 Job ID: 890-3334-1 SDG: 09C2041003

GC VOA

Prep Batch: 38292

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
MB 880-38292/5-A	Method Blank	Total/NA	Solid	5035	
Analysis Batch: 38317	7				
Γ					

ab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	
B 880-38292/5-A	Method Blank	Total/NA	Solid	5035		
alysis Batch: 38317						
ab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch	
90-3334-1	PH10A	Total/NA	Solid	8021B	38396	
90-3334-2	PH10B	Total/NA	Solid	8021B	38396	
90-3334-3	PH10C	Total/NA	Solid	8021B	38396	
0-3334-4	PH08A	Total/NA	Solid	8021B	38396	
0-3334-5	PH08B	Total/NA	Solid	8021B	38396	
0-3334-6	PH08C	Total/NA	Solid	8021B	38396	
0-3334-7	PH09A	Total/NA	Solid	8021B	38396	
0-3334-8	PH09B	Total/NA	Solid	8021B	38396	
0-3334-9	PH09C	Total/NA	Solid	8021B	38396	
B 880-38292/5-A	Method Blank	Total/NA	Solid	8021B	38292	
B 880-38396/5-A	Method Blank	Total/NA	Solid	8021B	38396	
S 880-38396/1-A	Lab Control Sample	Total/NA	Solid	8021B	38396	
SD 880-38396/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	38396	
0-20949-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	38396	I
30-20949-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	38396	

Prep Batch: 38396

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-3334-1	PH10A	Total/NA	Solid	5035	
890-3334-2	PH10B	Total/NA	Solid	5035	
890-3334-3	PH10C	Total/NA	Solid	5035	
890-3334-4	PH08A	Total/NA	Solid	5035	
890-3334-5	PH08B	Total/NA	Solid	5035	
890-3334-6	PH08C	Total/NA	Solid	5035	
890-3334-7	PH09A	Total/NA	Solid	5035	
890-3334-8	PH09B	Total/NA	Solid	5035	
890-3334-9	PH09C	Total/NA	Solid	5035	
MB 880-38396/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-38396/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-38396/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-20949-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-20949-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 38464

Г

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-3334-1	PH10A	Total/NA	Solid	Total BTEX	
890-3334-2	PH10B	Total/NA	Solid	Total BTEX	
890-3334-3	PH10C	Total/NA	Solid	Total BTEX	
890-3334-4	PH08A	Total/NA	Solid	Total BTEX	
890-3334-5	PH08B	Total/NA	Solid	Total BTEX	
890-3334-6	PH08C	Total/NA	Solid	Total BTEX	
890-3334-7	PH09A	Total/NA	Solid	Total BTEX	
890-3334-8	PH09B	Total/NA	Solid	Total BTEX	
890-3334-9	PH09C	Total/NA	Solid	Total BTEX	

Eurofins Carlsbad

Page 42 of 83

Client: Ensolum Project/Site: SV Kim Harris #003

GC Semi VOA

Analysis Batch: 38323

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
390-3334-5	PH08B	Total/NA	Solid	8015B NM	38417
90-3334-6	PH08C	Total/NA	Solid	8015B NM	38325
390-3334-7	PH09A	Total/NA	Solid	8015B NM	38325
390-3334-8	PH09B	Total/NA	Solid	8015B NM	38325
390-3334-9	PH09C	Total/NA	Solid	8015B NM	38325
MB 880-38325/1-A	Method Blank	Total/NA	Solid	8015B NM	38325
MB 880-38417/1-A	Method Blank	Total/NA	Solid	8015B NM	38417
LCS 880-38325/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	38325
LCS 880-38417/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	38417
_CSD 880-38325/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	38325
_CSD 880-38417/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	38417
390-3322-A-2-D MS	Matrix Spike	Total/NA	Solid	8015B NM	38325
390-3322-A-2-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	38325
390-3335-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	38417
390-3335-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	38417
rep Batch: 38325 Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
rep Batch: 38325 Lab Sample ID	Client Sample ID				Prep Batch
rep Batch: 38325 _ab Sample ID 390-3334-6	Client Sample ID PH08C	Total/NA	Solid	8015NM Prep	Prep Batch
rep Batch: 38325 Lab Sample ID 390-3334-6 390-3334-7	Client Sample ID	Total/NA Total/NA		8015NM Prep 8015NM Prep	Prep Batch
rep Batch: 38325	Client Sample ID PH08C PH09A	Total/NA	Solid Solid	8015NM Prep 8015NM Prep 8015NM Prep	Prep Batch
rep Batch: 38325 Lab Sample ID 390-3334-6 390-3334-7 390-3334-8	Client Sample ID PH08C PH09A PH09B	Total/NA Total/NA Total/NA	Solid Solid Solid	8015NM Prep 8015NM Prep	Prep Batch
rep Batch: 38325 Lab Sample ID 390-3334-6 390-3334-7 390-3334-8 390-3334-9	Client Sample ID PH08C PH09A PH09B PH09C	Total/NA Total/NA Total/NA Total/NA	Solid Solid Solid Solid	8015NM Prep 8015NM Prep 8015NM Prep 8015NM Prep	Prep Batch
rep Batch: 38325 Lab Sample ID 390-3334-6 390-3334-7 390-3334-8 390-3334-9 WB 880-38325/1-A	Client Sample ID PH08C PH09A PH09B PH09C Method Blank	Total/NA Total/NA Total/NA Total/NA Total/NA	Solid Solid Solid Solid Solid	8015NM Prep 8015NM Prep 8015NM Prep 8015NM Prep 8015NM Prep	Prep Batch
rep Batch: 38325 Lab Sample ID 390-3334-6 390-3334-7 390-3334-8 390-3334-9 MB 880-38325/1-A _CS 880-38325/2-A	Client Sample ID PH08C PH09A PH09B PH09C Method Blank Lab Control Sample	Total/NA Total/NA Total/NA Total/NA Total/NA Total/NA	Solid Solid Solid Solid Solid Solid	8015NM Prep 8015NM Prep 8015NM Prep 8015NM Prep 8015NM Prep 8015NM Prep	Prep Batch
rep Batch: 38325 Lab Sample ID 390-3334-6 390-3334-7 390-3334-8 390-3334-9 WB 880-38325/1-A _CS 880-38325/2-A _CSD 880-38325/3-A	Client Sample ID PH08C PH09A PH09B PH09C Method Blank Lab Control Sample Lab Control Sample Dup	Total/NA Total/NA Total/NA Total/NA Total/NA Total/NA	Solid Solid Solid Solid Solid Solid Solid	8015NM Prep 8015NM Prep 8015NM Prep 8015NM Prep 8015NM Prep 8015NM Prep 8015NM Prep	Prep Batch
rep Batch: 38325 Lab Sample ID 390-3334-6 390-3334-7 390-3334-7 390-3334-9 MB 880-38325/1-A _CS 880-38325/1-A _CS 880-38325/2-A _CSD 880-38325/3-A 390-3322-A-2-D MS	Client Sample ID PH08C PH09A PH09B PH09C Method Blank Lab Control Sample Lab Control Sample Dup Matrix Spike	Total/NA Total/NA Total/NA Total/NA Total/NA Total/NA Total/NA	Solid Solid Solid Solid Solid Solid Solid Solid	8015NM Prep 8015NM Prep 8015NM Prep 8015NM Prep 8015NM Prep 8015NM Prep 8015NM Prep 8015NM Prep	Prep Batch
rep Batch: 38325 Lab Sample ID 390-3334-6 390-3334-7 390-3334-8 390-3334-9 WB 880-38325/1-A LCS 880-38325/2-A LCSD 880-38325/3-A 390-3322-A-2-D MS 390-3322-A-2-E MSD	Client Sample ID PH08C PH09A PH09B PH09C Method Blank Lab Control Sample Lab Control Sample Dup Matrix Spike	Total/NA Total/NA Total/NA Total/NA Total/NA Total/NA Total/NA	Solid Solid Solid Solid Solid Solid Solid Solid	8015NM Prep 8015NM Prep 8015NM Prep 8015NM Prep 8015NM Prep 8015NM Prep 8015NM Prep 8015NM Prep	Prep Batch
rep Batch: 38325 Lab Sample ID 390-3334-6 390-3334-7 390-3334-7 390-3334-8 390-3334-9 MB 880-38325/1-A _CS 880-38325/2-A _CSD 880-38325/3-A 390-3322-A-2-D MS 390-3322-A-2-E MSD rep Batch: 38417	Client Sample ID PH08C PH09A PH09B PH09C Method Blank Lab Control Sample Lab Control Sample Dup Matrix Spike Matrix Spike Duplicate	Total/NA Total/NA Total/NA Total/NA Total/NA Total/NA Total/NA Total/NA	Solid Solid Solid Solid Solid Solid Solid Solid Solid	8015NM Prep 8015NM Prep 8015NM Prep 8015NM Prep 8015NM Prep 8015NM Prep 8015NM Prep 8015NM Prep 8015NM Prep	<u>.</u>
rep Batch: 38325 Lab Sample ID 390-3334-6 390-3334-7 390-3334-8 390-3334-9 MB 880-38325/1-A _CS 880-38325/2-A _CSD 880-38325/3-A 390-3322-A-2-D MS 390-3322-A-2-E MSD rep Batch: 38417 Lab Sample ID	Client Sample ID PH08C PH09A PH09B PH09C Method Blank Lab Control Sample Lab Control Sample Dup Matrix Spike Matrix Spike Duplicate	Total/NA Total/NA Total/NA Total/NA Total/NA Total/NA Total/NA Total/NA Total/NA	Solid Solid Solid Solid Solid Solid Solid Solid Solid	8015NM Prep 8015NM Prep 8015NM Prep 8015NM Prep 8015NM Prep 8015NM Prep 8015NM Prep 8015NM Prep 8015NM Prep 8015NM Prep	<u>.</u>
Tep Batch: 38325 Lab Sample ID 390-3334-6 390-3334-7 390-3334-7 390-3334-8 390-3334-9 WB 880-38325/1-A LCS 880-38325/2-A LCS 880-38325/3-A 390-3322-A-2-D MS 390-3322-A-2-E MSD rep Batch: 38417 Lab Sample ID 390-3334-5	Client Sample ID PH08C PH09A PH09B PH09C Method Blank Lab Control Sample Lab Control Sample Dup Matrix Spike Matrix Spike Duplicate Client Sample ID PH08B	Total/NA Total/NA Total/NA Total/NA Total/NA Total/NA Total/NA Total/NA Prep Type Total/NA	Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid	8015NM Prep	<u>.</u>
Tep Batch: 38325 Lab Sample ID 390-3334-6 390-3334-7 390-3334-7 390-3334-8 390-3334-9 WB 880-38325/1-A LCS 880-38325/2-A LCS 880-38325/3-A 390-3322-A-2-D MS 390-3322-A-2-E MSD rep Batch: 38417 Lab Sample ID 390-3334-5 WB 880-38417/1-A	Client Sample ID PH08C PH09A PH09B PH09C Method Blank Lab Control Sample Lab Control Sample Dup Matrix Spike Matrix Spike Duplicate Client Sample ID PH08B Method Blank	Total/NA Total/NA Total/NA Total/NA Total/NA Total/NA Total/NA Total/NA Prep Type Total/NA Total/NA	Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid	8015NM Prep 8015NM Prep	<u>.</u>

890-3335-A-1-D MSD Prep Batch: 38436

Matrix Spike Duplicate

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-3334-1	PH10A	Total/NA	Solid	8015NM Prep	
890-3334-2	PH10B	Total/NA	Solid	8015NM Prep	
890-3334-3	PH10C	Total/NA	Solid	8015NM Prep	
890-3334-4	PH08A	Total/NA	Solid	8015NM Prep	
MB 880-38436/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-38436/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-38436/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-21015-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-21015-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Total/NA

Solid

8015NM Prep

Job ID: 890-3334-1 SDG: 09C2041003

Client: Ensolum Project/Site: SV Kim Harris #003

8

Job ID: 890-3334-1 SDG: 09C2041003

GC Semi VOA

Analysis Batch: 38457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3334-1	PH10A	Total/NA	Solid	8015B NM	38436
890-3334-2	PH10B	Total/NA	Solid	8015B NM	38436
890-3334-3	PH10C	Total/NA	Solid	8015B NM	38436
890-3334-4	PH08A	Total/NA	Solid	8015B NM	38436
MB 880-38436/1-A	Method Blank	Total/NA	Solid	8015B NM	38436
LCS 880-38436/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	38436
LCSD 880-38436/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	38436
880-21015-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	38436
880-21015-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	38436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	
890-3334-1	PH10A	Total/NA	Solid	8015 NM		
890-3334-2	PH10B	Total/NA	Solid	8015 NM		
890-3334-3	PH10C	Total/NA	Solid	8015 NM		
890-3334-4	PH08A	Total/NA	Solid	8015 NM		
890-3334-5	PH08B	Total/NA	Solid	8015 NM		
890-3334-6	PH08C	Total/NA	Solid	8015 NM		
890-3334-7	PH09A	Total/NA	Solid	8015 NM		
890-3334-8	PH09B	Total/NA	Solid	8015 NM		
890-3334-9	PH09C	Total/NA	Solid	8015 NM		

HPLC/IC

Leach Batch: 38262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3334-1	PH10A	Soluble	Solid	DI Leach	
890-3334-2	PH10B	Soluble	Solid	DI Leach	
890-3334-3	PH10C	Soluble	Solid	DI Leach	
890-3334-4	PH08A	Soluble	Solid	DI Leach	
890-3334-5	PH08B	Soluble	Solid	DI Leach	
890-3334-6	PH08C	Soluble	Solid	DI Leach	
890-3334-7	PH09A	Soluble	Solid	DI Leach	
890-3334-8	PH09B	Soluble	Solid	DI Leach	
MB 880-38262/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-38262/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-38262/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3329-A-3-B MS	Matrix Spike	Soluble	Solid	DI Leach	
890-3329-A-3-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 38328

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3334-9	PH09C	Soluble	Solid	DI Leach	
MB 880-38328/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-38328/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-38328/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-20959-A-11-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-20959-A-11-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Client: Ensolum Project/Site: SV Kim Harris #003 Job ID: 890-3334-1 SDG: 09C2041003

HPLC/IC

Analysis Batch: 38427

IPLC/IC					
nalysis Batch: 38427					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3334-9	PH09C	Soluble	Solid	300.0	38328
MB 880-38328/1-A	Method Blank	Soluble	Solid	300.0	38328
LCS 880-38328/2-A	Lab Control Sample	Soluble	Solid	300.0	38328
LCSD 880-38328/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	38328
880-20959-A-11-B MS	Matrix Spike	Soluble	Solid	300.0	38328
880-20959-A-11-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	38328
nalysis Batch: 38428	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3334-1	PH10A	Soluble	Solid	300.0	38262
890-3334-2	PH10B	Soluble	Solid	300.0	38262
890-3334-3	PH10C	Soluble	Solid	300.0	38262
890-3334-4	PH08A	Soluble	Solid	300.0	38262
890-3334-5	PH08B	Soluble	Solid	300.0	38262
890-3334-6	PH08C	Soluble	Solid	300.0	38262
890-3334-7	PH09A	Soluble	Solid	300.0	38262
890-3334-8	PH09B	Soluble	Solid	300.0	38262
MB 880-38262/1-A	Method Blank	Soluble	Solid	300.0	38262
LCS 880-38262/2-A	Lab Control Sample	Soluble	Solid	300.0	38262
LCSD 880-38262/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	38262
890-3329-A-3-B MS	Matrix Spike	Soluble	Solid	300.0	38262
890-3329-A-3-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	38262

5

9

Job ID: 890-3334-1 SDG: 09C2041003

Lab Sample ID: 890-3334-1 Matrix: Solid

Lab Sample ID: 890-3334-3

Lab Sample ID: 890-3334-4

Matrix: Solid

Date Collected: 10/28/22 08:50 Date Received: 10/28/22 16:15

Project/Site: SV Kim Harris #003 **Client Sample ID: PH10A**

Client: Ensolum

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	38396	11/01/22 13:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38317	11/02/22 04:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			38464	11/02/22 10:02	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38469	11/03/22 10:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	38436	11/01/22 16:40	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38457	11/03/22 02:19	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	38262	10/31/22 10:26	СН	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	38428	11/02/22 00:14	СН	EET MID

Client Sample ID: PH10B

Date Collected: 10/28/22 08:55

Date Received: 10/28/22 16:15

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	38396	11/01/22 13:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38317	11/02/22 04:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			38464	11/02/22 10:02	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38469	11/03/22 10:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38436	11/01/22 16:40	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38457	11/03/22 02:40	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	38262	10/31/22 10:26	СН	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	38428	11/02/22 00:29	СН	EET MID

Client Sample ID: PH10C

Date Collected: 10/28/22 09:05

Date Received: 10/28/22 16:15

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	38396	11/01/22 13:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38317	11/02/22 04:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			38464	11/02/22 10:02	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38469	11/03/22 10:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	38436	11/01/22 16:40	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38457	11/03/22 03:01	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	38262	10/31/22 10:26	СН	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	38428	11/02/22 00:34	СН	EET MID

Client Sample ID: PH08A Date Collected: 10/28/22 09:30 Date Received: 10/28/22 16:15

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	38396	11/01/22 13:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38317	11/02/22 05:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			38464	11/02/22 10:02	AJ	EET MID

Eurofins Carlsbad

Page 46 of 83

Lab Sample ID: 890-3334-2 Matrix: Solid

Released to Imaging: 1/5/2023 1:26:53 PM

Matrix: Solid

Job ID: 890-3334-1 SDG: 09C2041003

Lab Sample ID: 890-3334-4 Matrix: Solid

Lab Sample ID: 890-3334-5

Date Collected: 10/28/22 09:30 Date Received: 10/28/22 16:15

Project/Site: SV Kim Harris #003
Client Sample ID: PH08A

Client: Ensolum

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			38469	11/03/22 10:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	38436	11/01/22 16:40	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38457	11/03/22 03:44	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	38262	10/31/22 10:26	СН	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	38428	11/02/22 00:39	СН	EET MID

Client Sample ID: PH08B

Date Collected: 10/28/22 09:35 Date Received: 10/28/22 16:15

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	38396	11/01/22 13:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38317	11/02/22 05:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			38464	11/02/22 10:02	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38469	11/02/22 10:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	38417	11/01/22 15:08	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38323	11/02/22 03:58	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	38262	10/31/22 10:26	СН	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	38428	11/02/22 00:44	СН	EET MID

Client Sample ID: PH08C

Date Collected: 10/28/22 09:45 Date Received: 10/28/22 16:15

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	38396	11/01/22 13:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38317	11/02/22 05:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			38464	11/02/22 10:02	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38469	11/02/22 10:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	38325	11/01/22 08:49	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38323	11/01/22 19:21	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	38262	10/31/22 10:26	СН	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	38428	11/02/22 00:49	СН	EET MID

Client Sample ID: PH09A

Date Collected: 10/28/22 10:10 Date Received: 10/28/22 16:15

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	38396	11/01/22 13:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38317	11/02/22 06:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			38464	11/02/22 10:02	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38469	11/02/22 10:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	38325	11/01/22 08:49	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38323	11/01/22 19:43	SM	EET MID

Eurofins Carlsbad

Lab Sample ID: 890-3334-6

Lab Sample ID: 890-3334-7

Matrix: Solid

Matrix: Solid

Matrix: Solid

Lab Chronicle

Job ID: 890-3334-1 SDG: 09C2041003

Lab Sample ID: 890-3334-7 Matrix: Solid

Lab Sample ID: 890-3334-8

Date Collected: 10/28/22 10:10 Date Received: 10/28/22 16:15

Client Sample ID: PH09A

Project/Site: SV Kim Harris #003

Client: Ensolum

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	38262	10/31/22 10:26	СН	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	38428	11/02/22 00:54	СН	EET MID

Client Sample ID: PH09B

Date Collected: 10/28/22 10:15 Date Received: 10/28/22 16:15

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	38396	11/01/22 13:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38317	11/02/22 06:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			38464	11/02/22 10:02	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38469	11/02/22 10:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38325	11/01/22 08:49	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38323	11/01/22 20:05	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	38262	10/31/22 10:26	СН	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	38428	11/02/22 00:59	CH	EET MID

Client Sample ID: PH09C Date Collected: 10/28/22 10:25 Date Received: 10/28/22 16:15

Batch Dil Initial Final Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA Prep 5035 5.02 g 5 mL 38396 11/01/22 13:17 MNR EET MID 8021B Total/NA 5 mL 5 mL 38317 11/02/22 06:52 MNR EET MID Analysis 1 Total/NA Analysis Total BTEX 1 38464 11/02/22 10:02 AJ EET MID Total/NA Analysis 8015 NM 1 38469 11/02/22 10:14 SM EET MID 8015NM Prep Total/NA Prep 10.00 g 10 mL 38325 11/01/22 08:49 DM EET MID Total/NA Analysis 8015B NM 1 1 uL 1 uL 38323 11/01/22 20:26 SM EET MID Soluble Leach DI Leach 5.05 g 50 mL 38328 11/01/22 09:01 СН EET MID Soluble Analysis 300.0 50 mL 50 mL 38427 11/01/22 21:45 СН EET MID 1

Laboratory References:

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

Matrix: Solid

9

Lab Sample ID: 890-3334-9 Matrix: Solid Accreditation/Certification Summary

Client: Ensolum Project/Site: SV Kim Harris #003

Laboratory: Eurofins Midland

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

uthority		ogram	Identification Number	Expiration Date
xas	NE	ELAP	T104704400-22-24	06-30-23
• ,	are included in this report, bu	it the laboratory is not certif	ied by the governing authority. This list ma	ay include analytes fo
the agency does not of Analysis Method		Matrix	Analyte	
the agency does not c Analysis Method 8015 NM	ffer certification. Prep Method	Matrix Solid	Analyte Total TPH	

10

Job ID: 890-3334-1

SDG: 09C2041003

Job ID: 890-3334-1 SDG: 09C2041003

Vethod	Method Description	Protocol	Laboratory
3021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
3015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
3015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	MCAWW	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
3015NM Prep	Microextraction	SW846	EET MID
OI Leach	Deionized Water Leaching Procedure	ASTM	EET MID
	STM International		
	"Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, Mar	I I	
	Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edit	tion, November 1986 And Its Updates.	
TAL SOP =	 TestAmerica Laboratories, Standard Operating Procedure 		
Laboratory Re			
EET MID =	Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440		

Protocol References:

Laboratory References:

Sample Summary

Job ID: 890-3334-1
SDG: 09C2041003

b Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
0-3334-1	PH10A	Solid	10/28/22 08:50	10/28/22 16:15	6
0-3334-2	PH10B	Solid	10/28/22 08:55	10/28/22 16:15	12
0-3334-3	PH10C	Solid	10/28/22 09:05	10/28/22 16:15	36
0-3334-4	PH08A	Solid	10/28/22 09:30	10/28/22 16:15	6
0-3334-5	PH08B	Solid	10/28/22 09:35	10/28/22 16:15	12
0-3334-6	PH08C	Solid	10/28/22 09:45	10/28/22 16:15	48
0-3334-7	PH09A	Solid	10/28/22 10:10	10/28/22 16:15	6
0-3334-8	PH09B	Solid	10/28/22 10:15	10/28/22 16:15	12
0-3334-9	PH09C	Solid	10/28/22 10:25	10/28/22 16:15	48

.

e) Received by: (Signature)	5	0.27.22 16	10	The (ILL)	C	3
	Relinquished by: (Signature)	Date/Time	ıre)	, Received by: (Signature)	(Signature)	Relyquished by: (Signature)
terms and conditions is beyond the control inless previously negotiated.	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such tosses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously nego	ofins Xenco, its affiliates and ses incurred by the client if surofins Xenco, but not anal	order from client company to Europonsibility for any losses or expension system of the submitted to the subm	bles constitutes a valid purchase oples and shall not assume any restored and a charge of	ment and relinquishment of samp be liable only for the cost of sam n charge of \$85.00 will be applied	Notice: Signature of this docu of service. Eurofins Xenco wil of Eurofins Xenco. A minimur
Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr TI Sn U V Z Ni Se Ag TI U Hg: 1631/245.1/7470/7471	3 Cd Ca Cr Co Cu Fe Pb Mg Mn Mo N Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U	b As Ba Be B Cd Sb As Ba Be Cd (A 13PPM Texas 11 AI Sb TCLP / SPLP 6010 : 8RCRA SI	8RCRA 131 alyzed TCLP /	Total 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed	Total 200.7 / 6010 Circle Method(s) ar
						thurst
		19 19	(Kª G)	52.01 22 % el	50	
	1	VVV	12 21	10-2-22 1015	SC	DHAR
		11	5	10-28-22 UNIS	N	DHUQ D
		11	12" G 1	-	S	DHOSP
	UX I	VV			5	PH08A
	2	41	26" 91		5	PHIOC
nA	VV	VVV	11	-	S	DH IDB
	11	V V	6" 4 1	10-28-22 08SD	S	PHIDA
	2	F	Depth Comp Cont	Date Time Sampled Sampled	ication Matrix	Sample Identification
NaOH+Ascorbic Acid: SAPC	1	355	2.6	Corrected Temperature:		Total Containers:
	Chain of Custo	XH	2	Temperature Reading:	Yes No NIA	Sample Custody Seals:
	890.332		10.0	· -	Yes No	Cooler Custody Seals:
NaHSO A: NABIS		-	1	The IND ANELICE:	iemp biank:	SAMPLE RECEIPT
H. PO . HP					1	
HCL: HC H ₂ SO ₄ : H ₂			TAT starts the day received by the lab, if received by 4:30pm	ALCOMODA TAT starts t	<u>R</u>	Sampler's Name:
Cool: Cool				02 205 Show Date:	23 947545-1	Project Location:
None: NO			Rush Code	Routine	N9C20411DIO	Project Number:
ST	ANALYSIS REQUEST		Turn Around	5	SU him Hayn's # 003	Project Name:
Deliverables: EDD ADaPT	1, CONT) ensolum, com	al ambir (a	946 Email:	303-887-2	Phone:
Reporting: Level II Level III PST/UST TRRP Level IV			City, State ZIP:	NW 88229	Nautsbeach,	City, State ZIP:
State of Project:			Address:	Pourts Huura	2122 Noti	Address:
Program: UST/PST PRP Brownfields			Company Name:	C	MSOlum LL	Company Name:
Work Order Comments		ana.	Bill to: (if different)		Danillour	Project Manager:
www.xenco.com	NM (575) 988-3199	Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	Hobbs, NM (
	TX (806) 794-1296	EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296	EL Paso, TX (Xenco	
Work Order No:	TX (214) 902-0300 io, TX (210) 509-3334	Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334	Houston, T) Midland, TX (4	Environment Testing		eurotins eurotins
						•

11/3/2022

Page 52 of 83

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 3334 List Number: 1 Creator: Clifton, Cloe

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

Job Number: 890-3334-1 SDG Number: 09C2041003

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 3334 List Number: 2 Creator: Rodriguez, Leticia

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

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

SDG Number: 09C2041003

List Creation: 11/01/22 10:26 AM

Job Number: 890-3334-1

Received by OCD: 12/2/2022 11:34:15 AM



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Daniel Moir Ensolum 705 W. Wadley Suite 210 Midland, Texas 79701 Generated 11/30/2022 9:53:08 AM

JOB DESCRIPTION

SV KIM HARRIS #003 SDG NUMBER 09D2041003

JOB NUMBER

890-3540-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

See page two for job notes and contact information.



Received by OCD: 12/2/2022 11:34:15 AM

Eurofins Carlsbad

Job Notes

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

Authorization

RAMER

Generated 11/30/2022 9:53:08 AM

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

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

Laboratory Job ID: 890-3540-1 SDG: 09D2041003

Page 57 of 83

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	10
QC Sample Results	11
QC Association Summary	17
Lab Chronicle	20
Certification Summary	22
Method Summary	23
Sample Summary	24
Chain of Custody	25
-	27

DLC

EDL

LOD

LOQ

MCL

MDA

MDC

MDL

MPN MQL

NC

ND

NEG

POS

PQL PRES

QC

RER

RPD

TEF

TEQ

TNTC

RL

ML

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)

Estimated Detection Limit (Dioxin)

Limit of Detection (DoD/DOE)

Method Detection Limit

Minimum Level (Dioxin) Most Probable Number

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

Not Calculated

Negative / Absent

Positive / Present Practical Quantitation Limit

Presumptive

Quality Control

Limit of Quantitation (DoD/DOE)

	Definitions/Glossary		
Client: Ensolu		Job ID: 890-3540-1	i
Project/Site: S	V KIM HARRIS #003	SDG: 09D2041003	
Qualifiers			
GC VOA			1
Qualifier	Qualifier Description		
S1-	Surrogate recovery exceeds control limits, low biased.		
U	Indicates the analyte was analyzed for but not detected.		
GC Semi VOA	ч.		2
Qualifier	Qualifier Description		
F2	MS/MSD RPD exceeds control limits		
S1+	Surrogate recovery exceeds control limits, high biased.		
U	Indicates the analyte was analyzed for but not detected.		
HPLC/IC			
Qualifier	Qualifier Description		
U	Indicates the analyte was analyzed for but not detected.		
Glossary			
Abbreviation	These commonly used abbreviations may or may not be present in this report.		
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis		
%R	Percent Recovery		
CFL	Contains Free Liquid		
CFU	Colony Forming Unit		
CNF	Contains No Free Liquid		
DER	Duplicate Error Ratio (normalized absolute difference)		
Dil Fac	Dilution Factor		
DL	Detection Limit (DoD/DOE)		
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample		

Page 59 of 83

Job ID: 890-3540-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-3540-1

Receipt

The samples were received on 11/18/2022 4:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.2°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: PH11A (890-3540-1), PH11B (890-3540-2), PH11C (890-3540-3) and PH11D (890-3540-4).

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-40456 and analytical batch 880-40542 was outside the control limits.

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-40275 and analytical batch 880-40262 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-40275/2-A) and (LCSD 880-40275/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: PH11A (890-3540-1), PH11B (890-3540-2), PH11C (890-3540-3), (890-3540-A-1-C MS) and (890-3540-A-1-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-40387 and analytical batch 880-40408 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: PH11D (890-3540-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The method blank for preparation batch 880-40387 and analytical batch 880-40408 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-40387 and analytical batch 880-40408 was outside control limits. Sample non-homogeneity is suspected.

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

HPLC/IC

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

Job ID: 890-3540-1 SDG: 09D2041003

Client Sample ID: PH11A

Project/Site: SV KIM HARRIS #003

Date Collected: 11/17/22 12:00 Date Received: 11/18/22 16:00

Sample Depth: 6

Client: Ensolum

Lab Sample ID: 890-3540-1

Matrix: Solid

l	
	5
-	
	8
	9
-	

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/28/22 12:33	11/29/22 20:51	
Toluene	<0.00200	U	0.00200	mg/Kg		11/28/22 12:33	11/29/22 20:51	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/28/22 12:33	11/29/22 20:51	
m-Xylene & p-Xylene			0.00401	mg/Kg		11/28/22 12:33	11/29/22 20:51	
o-Xylene			0.00200	mg/Kg		11/28/22 12:33	11/29/22 20:51	
Xylenes, Total	<0.00401		0.00401	mg/Kg		11/28/22 12:33	11/29/22 20:51	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	99		70 - 130			11/28/22 12:33	11/29/22 20:51	
1,4-Difluorobenzene (Surr)	101		70 - 130			11/28/22 12:33	11/29/22 20:51	
Method: TAL SOP Total BTEX - T								
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00401	U	0.00401	mg/Kg			11/30/22 10:01	
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier		Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<50.0	U	50.0	mg/Kg			11/28/22 11:40	
Method: SW846 8015B NM - Dies						_		
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<50.0		50.0	mg/Kg		11/23/22 09:52	11/23/22 11:38	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/23/22 09:52	11/23/22 11:38	
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/23/22 09:52	11/23/22 11:38	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1 Chlorocotono	109		70 - 130			11/23/22 09:52	11/23/22 11:38	
			70 100			11/00/00 00.00	11/00/05 11 55	
1-Chlorooctane o-Terphenyl	136	S1+	70 - 130			11/23/22 09:52	11/23/22 11:38	
o-Terphenyl Method: MCAWW 300.0 - Anions	, Ion Chromato	ography - Se	oluble					
o-Terphenyl	, Ion Chromato Result		coluble RL	Unit	D	Prepared	Analyzed	Dil Fac
o-Terphenyl Method: MCAWW 300.0 - Anions	, Ion Chromato	ography - Se	oluble	Unit mg/Kg	<u>D</u>			Dil Fa
o- <i>Terphenyl</i> Method: MCAWW 300.0 - Anions, Analyte Chloride	, Ion Chromato Result	ography - Se	coluble RL		D	Prepared	Analyzed	Dil Fa
o- <i>Terphenyl</i> Method: MCAWW 300.0 - Anions, Analyte Chloride lient Sample ID: PH11B	, Ion Chromato Result	ography - Se	coluble RL		<u>D</u>	Prepared	Analyzed 11/24/22 05:13 nple ID: 890-	Dil Fac
o-Terphenyl Method: MCAWW 300.0 - Anions Analyte	, Ion Chromato Result	ography - Se	coluble RL		<u>D</u>	Prepared	Analyzed 11/24/22 05:13 nple ID: 890-	Dil Fac
o- <i>Terphenyl</i> Method: MCAWW 300.0 - Anions, Analyte Chloride Ilent Sample ID: PH11B ate Collected: 11/17/22 12:10 ate Received: 11/18/22 16:00	, Ion Chromato Result	ography - Se	coluble RL		D	Prepared	Analyzed 11/24/22 05:13 nple ID: 890-	Dil Fac
o- <i>Terphenyl</i> Method: MCAWW 300.0 - Anions Analyte Chloride lient Sample ID: PH11B ate Collected: 11/17/22 12:10	, Ion Chromato Result 18.7	ography - So Qualifier	eoluble 		<u>D</u>	Prepared	Analyzed 11/24/22 05:13 nple ID: 890-	Dil Fac
o- <i>Terphenyl</i> Method: MCAWW 300.0 - Anions, Analyte Chloride lient Sample ID: PH11B ate Collected: 11/17/22 12:10 ate Received: 11/18/22 16:00 ample Depth: 12 Method: SW846 8021B - Volatile (Analyte	organic Comp	ography - So Qualifier	eoluble 	mg/Kg	D	Prepared Lab San	Analyzed 11/24/22 05:13 nple ID: 890- Matri Analyzed	Dil Fa 3540-2 ix: Solic
o- <i>Terphenyl</i> Method: MCAWW 300.0 - Anions, Analyte Chloride lient Sample ID: PH11B ate Collected: 11/17/22 12:10 ate Received: 11/18/22 16:00 ample Depth: 12 Method: SW846 8021B - Volatile (Analyte	, Ion Chromato Result 18.7	ography - So Qualifier	roluble 	mg/Kg		Prepared Lab San	Analyzed 11/24/22 05:13 nple ID: 890- Matri	Dil Fau 3540-2 ix: Solic
o- <i>Terphenyl</i> Method: MCAWW 300.0 - Anions, Analyte Chloride lient Sample ID: PH11B ate Collected: 11/17/22 12:10 ate Received: 11/18/22 16:00 ample Depth: 12 Method: SW846 8021B - Volatile (Analyte Benzene	organic Comp	Qualifier Qualifier Oounds (GC) Qualifier U	eoluble 	mg/Kg		Prepared Lab San	Analyzed 11/24/22 05:13 nple ID: 890- Matri Analyzed	Dil Fa 3540-2 ix: Solic Dil Fa
o- <i>Terphenyl</i> Method: MCAWW 300.0 - Anions, Analyte Chloride lient Sample ID: PH11B ate Collected: 11/17/22 12:10 ate Received: 11/18/22 16:00 ample Depth: 12 Method: SW846 8021B - Volatile (Analyte Benzene Foluene	organic Comp Result 0rganic Comp Result	Qualifier Qualifier Qualifier Qualifier U	RL 4.99 - - - RL 0.00199	mg/Kg		Prepared Lab San	Analyzed 11/24/22 05:13 nple ID: 890- Matri Analyzed 11/29/22 21:18	Dil Fac
o- <i>Terphenyl</i> Method: MCAWW 300.0 - Anions, Analyte Chloride lient Sample ID: PH11B ate Collected: 11/17/22 12:10 ate Received: 11/18/22 16:00 ample Depth: 12	Organic Comp Result 0.00199	Dounds (GC) Qualifier Qualifier U U U	RL 4.99 4.99 0.00199 0.00199	Unit mg/Kg mg/Kg mg/Kg		Prepared Lab San Prepared 11/28/22 12:33 11/28/22 12:33	Analyzed 11/24/22 05:13 nple ID: 890- Matri Analyzed 11/29/22 21:18 11/29/22 21:18	Dil Fa 3540-2 ix: Solic Dil Fa

Xylenes, Total <0.00398 U 0.00398 mg/Kg 11/28/22 12:33 11/29/22 21:18 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 104 70 - 130 11/28/22 12:33 11/29/22 21:18

Eurofins Carlsbad

Released to Imaging: 1/5/2023 1:26:53 PM

11/30/2022

1

Client Sample Results

Limits

70 - 130

RL

RL

49.8

0.00398

Unit

Unit

Unit

mg/Kg

mg/Kg

mg/Kg

Job ID: 890-3540-1 SDG: 09D2041003

Analyzed

11/29/22 21:18

Analyzed

11/30/22 10:01

Analyzed

11/28/22 11:40

Analyzed

11/23/22 1

Lab Sample ID: 890-3540-3

Client Sample ID: PH11B

Project/Site: SV KIM HARRIS #003

Date Collected: 11/17/22 12:10 Date Received: 11/18/22 16:00

Sample Depth: 12

1,4-Difluorobenzene (Surr)

Client: Ensolum

Surrogate

Analyte

Analyte

Total TPH

Total BTEX

Lab Sample ID: 890-3540	-2
Matrix: So	lid

D

D

D

Prepared

11/28/22 12:33

Prepared

Prepared

Prepared

11/23/22 09:52

Matrix: Solid

Dil Fac

Dil Fac

Dil Fac

Dil Fac

12:44	1	
12:44	1	12
12:44	1	13
ed	Dil Fac	
10.11	1	

Matrix: Solid

Analyte	Result	Qualifier	RL
Gasoline Range Organics	<49.8	U	49.8

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

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

%Recovery Qualifier

Result Qualifier

Ū

Result Qualifier

106

<0.00398

<49.8 U

o-Terphenyl	140	S1+	70 - 130		11/23/22 09:52	11/23/22 12:44	1
1-Chlorooctane			70 - 130		11/23/22 09:52	11/23/22 12:44	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg	11/23/22 09:52	11/23/22 12:44	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg	11/23/22 09:52	11/23/22 12:44	1
(GRO)-C6-C10							

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.3	5.00	mg/Kg			11/24/22 05:20	1

Client Sample ID: PH11C

Date Collected: 11/17/22 12:20 Date Received: 11/18/22 16:00 Sample Depth: 24

Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Benzene <0.00199 U 0.00199 mg/Kg 11/28/22 12:33 11/29/22 21:45 Toluene <0.00199 U 0.00199 11/28/22 12:33 11/29/22 21:45 mg/Kg 1 Ethylbenzene <0.00199 U 0.00199 mg/Kg 11/28/22 12:33 11/29/22 21:45 11/28/22 12:33 11/29/22 21:45 m-Xylene & p-Xylene <0.00398 U 0.00398 mg/Kg 1 o-Xylene <0.00199 U 0.00199 mg/Kg 11/28/22 12:33 11/29/22 21:45 Xylenes, Total <0.00398 U 0.00398 mg/Kg 11/28/22 12:33 11/29/22 21:45 1 %Recovery Qualifier Limits Dil Fac Surrogate Prepared Analvzed 70 - 130 11/28/22 12:33 4-Bromofluorobenzene (Surr) 102 11/29/22 21:45 1 1,4-Difluorobenzene (Surr) 104 70 - 130 11/28/22 12:33 11/29/22 21:45 1 Method: TAL SOP Total BTEX - Total BTEX Calculation Analvte Result Qualifier RL D Dil Fac Unit Prepared Analyzed <0.00398 Total BTEX Ū 0.00398 11/30/22 10:01 mg/Kg 1 Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac <49.9 U Total TPH 49.9 mg/Kg 11/28/22 11:40 1

Job ID: 890-3540-1 SDG: 09D2041003

Matrix: Solid

Dil Fac

1

1

Dil Fac 1

Matrix: Solid

Lab Sample ID: 890-3540-3

Lab Sample ID: 890-3540-4

Client Sample ID: PH11C

Project/Site: SV KIM HARRIS #003

Date Collected: 11/17/22 12:20 Date Received: 11/18/22 16:00

Sample Depth: 24

Client: Ensolum

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		11/23/22 09:52	11/23/22 13:06
(GRO)-C6-C10							
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		11/23/22 09:52	11/23/22 13:06
C10-C28)							
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/23/22 09:52	11/23/22 13:06
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed
1-Chlorooctane	109		70 - 130			11/23/22 09:52	11/23/22 13:06
o-Terphenyl	137	S1+	70 - 130			11/23/22 09:52	11/23/22 13:06

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22.1		4.97	mg/Kg			11/24/22 05:26	1

Client Sample ID: PH11D

Date Collected: 11/17/22 12:30 Date Received: 11/18/22 16:00

Sample Depth: 48

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/28/22 12:33	11/29/22 22:13	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/28/22 12:33	11/29/22 22:13	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/28/22 12:33	11/29/22 22:13	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		11/28/22 12:33	11/29/22 22:13	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/28/22 12:33	11/29/22 22:13	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		11/28/22 12:33	11/29/22 22:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130			11/28/22 12:33	11/29/22 22:13	1
1,4-Difluorobenzene (Surr)	105		70 - 130			11/28/22 12:33	11/29/22 22:13	1
Method: SW846 8015 NM - Diese				Unit	Р	Broparod	Analyzad	Dil Eac
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9		49.9	mg/Kg			11/29/22 12:08	1
Method: SW846 8015B NM - Die	• •	Qualifier	· · ·	Unit		Dramanad	Amelyined	Dil Fac
Analyte			RL 		D	Prepared	Analyzed 11/29/22 00:02	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		11/28/22 09:07	11/29/22 00:02	1
		11	49.9	mg/Kg		11/28/22 09:07	11/29/22 00:02	
Diesel Range Organics (Over	<49.9	0	1010	0 0				1
Diesel Range Organics (Over C10-C28)						44/00/00 00.07	11/00/00 00:00	1
Diesel Range Organics (Over	<49.9 <49.9		49.9	mg/Kg		11/28/22 09:07	11/29/22 00:02	1
Diesel Range Organics (Over C10-C28)		U				11/28/22 09:07 Prepared	11/29/22 00:02 Analyzed	1 1 Dil Fac

Eurofins Carlsbad

11/29/22 00:02

11/28/22 09:07

o-Terphenyl

70 - 130

131 S1+

		Client	Sample Res	sults					
Client: Ensolum Project/Site: SV KIM HARRIS #003							Job ID: 890 SDG: 09D2		2
Client Sample ID: PH11D Date Collected: 11/17/22 12:30						Lab Sa	mple ID: 890- Matri	3540-4 ix: Solid	
Date Received: 11/18/22 16:00 Sample Depth: 48									4
Method: MCAWW 300.0 - Anions, Analyte		ography - Solu Qualifier	uble RL	Unit	D	Prepared	Applyzod	Dil Fac	5
Chloride	47.3	Quaimer	4.96	mg/Kg	<u>D</u>	Prepareu	Analyzed 11/24/22 05:33	1	
									8
									9
									13

...

. .

<u> - - -</u>

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

-				Percent Surrogate	e Rec
		BFB1	DFBZ1		
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		
880-21753-A-1-G MS	Matrix Spike	100	108		
880-21753-A-1-H MSD	Matrix Spike Duplicate	98	105		
890-3540-1	PH11A	99	101		
890-3540-2	PH11B	104	106		
890-3540-3	PH11C	102	104		
890-3540-4	PH11D	98	105		
LCS 880-40456/1-A	Lab Control Sample	93	108		
LCSD 880-40456/2-A	Lab Control Sample Dup	95	102		
MB 880-40456/5-A	Method Blank	63 S1-	97		
Surragete Legend					

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

-				Percent
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-21869-A-1-F MS	Matrix Spike	109	102	
880-21869-A-1-G MSD	Matrix Spike Duplicate	98	92	
890-3540-1	PH11A	109	136 S1+	
890-3540-1 MS	PH11A	138 S1+	151 S1+	
890-3540-1 MSD	PH11A	119	140 S1+	
890-3540-2	PH11B	111	140 S1+	
890-3540-3	PH11C	109	137 S1+	
890-3540-4	PH11D	119	131 S1+	
LCS 880-40275/2-A	Lab Control Sample	206 S1+	246 S1+	
LCS 880-40387/2-A	Lab Control Sample	129	126	
LCSD 880-40275/3-A	Lab Control Sample Dup	208 S1+	244 S1+	
LCSD 880-40387/3-A	Lab Control Sample Dup	128	126	
MB 880-40275/1-A	Method Blank	129	160 S1+	
MB 880-40387/1-A	Method Blank	129	149 S1+	

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

5 6

Job ID: 890-3540-1 SDG: 09D2041003

Prep Type: Total/NA

Prep Type: Total/NA

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-40456/5-A				
Matrix: Solid				
Analysis Batch: 40542				
	МВ	МВ		
Analyte	Result	Qualifier	RL	

· · · · · · · · · · · · · · · · · · ·						· · · · · · · · · · · · · · · · · · ·	
Benzene	<0.00200	U	0.00200	mg/Kg	11/28/22 12:33	11/29/22 11:44	1
Toluene	<0.00200	U	0.00200	mg/Kg	11/28/22 12:33	11/29/22 11:44	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg	11/28/22 12:33	11/29/22 11:44	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg	11/28/22 12:33	11/29/22 11:44	1
o-Xylene	<0.00200	U	0.00200	mg/Kg	11/28/22 12:33	11/29/22 11:44	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg	11/28/22 12:33	11/29/22 11:44	1
	МВ	МВ					
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	63	S1-	70 - 130		11/28/22 12:33	11/29/22 11:44	1
1,4-Difluorobenzene (Surr)	97		70 - 130		11/28/22 12:33	11/29/22 11:44	1

Unit

D

Prepared

Lab Sample ID: LCS 880-40456/1-A Matrix: Solid

Analysis Batch: 40542

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1293		mg/Kg		129	70 - 130	
Toluene	0.100	0.1163		mg/Kg		116	70 - 130	
Ethylbenzene	0.100	0.1064		mg/Kg		106	70 - 130	
m-Xylene & p-Xylene	0.200	0.2135		mg/Kg		107	70 - 130	
o-Xylene	0.100	0.1067		mg/Kg		107	70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: LCSD 880-40456/2-A

Matrix: Solid

Analysis Batch: 40542							Prep	Batch:	40456
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1236		mg/Kg		124	70 - 130	5	35
Toluene	0.100	0.1151		mg/Kg		115	70 - 130	1	35
Ethylbenzene	0.100	0.1072		mg/Kg		107	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2180		mg/Kg		109	70 - 130	2	35
o-Xylene	0.100	0.1106		mg/Kg		111	70 - 130	4	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-21753-A-1-G MS

Matrix: Solid aluaia Batahi 40542

Analysis Batch: 40542									Prep	Batch: 40456
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00201	U	0.100	0.1277		mg/Kg		127	70 - 130	
Toluene	<0.00201	U	0.100	0.1106		mg/Kg		110	70 - 130	

Eurofins Carlsbad

Prep Type: Total/NA

Client Sample ID: Method Blank Prep Type: Total/NA

Analyzed

Job ID: 890-3540-1 SDG: 09D2041003

13

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 40456

Furofins	Carlst

Client Sample ID: Matrix Spike

Lab Sample ID: 880-21753-A-1-G MS

QC Sample Results

MS MS

0.1007

0.2008

0.09717

Result Qualifier

Unit

mg/Kg

mg/Kg

mg/Kg

Spike

Added

0.100

0.200

0.100

Limits 70 - 130

70 - 130

70 - 130

Client: Ensolum Project/Site: SV KIM HARRIS #003

Matrix: Solid

Analyte

o-Xylene

Surrogate

Ethylbenzene

m-Xylene & p-Xylene

Analysis Batch: 40542

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

Sample Sample

MS MS

Qualifier

<0.00201 U

<0.00402 U

<0.00201 U

100

108

105

%Recovery

Result Qualifier

Prep Type: Total/NA

Prep Batch: 40456

7

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

%Rec

Limits

70 - 130

70 - 130

70 - 130

%Rec

101

100

97

D

Matrix: Solid Analysis Batch: 40542

Lab Sample ID: 880-21753-A-1-H MSD

Analysis Batch: 40542									Prep	Batch:	40456	
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	<0.00201	U	0.0990	0.1215		mg/Kg		123	70 - 130	5	35	
Toluene	<0.00201	U	0.0990	0.1047		mg/Kg		106	70 - 130	5	35	ī
Ethylbenzene	<0.00201	U	0.0990	0.09196		mg/Kg		93	70 - 130	9	35	
m-Xylene & p-Xylene	<0.00402	U	0.198	0.1849		mg/Kg		93	70 - 130	8	35	1
o-Xylene	<0.00201	U	0.0990	0.09240		mg/Kg		93	70 - 130	5	35	
	MSD	MSD										
Surrogate	%Recovery	Qualifier	Limits									
4-Bromofluorobenzene (Surr)	98		70 - 130									

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

Lab Sample ID: MB 880-40275/1-	Α			Client Sample ID: Method Blank						
Matrix: Solid							Prep Type: 1	Total/NA		
Analysis Batch: 40262							Prep Batch	n: 40275		
-	МВ	МВ					-			
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac		
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		11/23/22 08:32	11/23/22 08:39	1		
(GRO)-C6-C10										
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		11/23/22 08:32	11/23/22 08:39	1		
C10-C28)										
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/23/22 08:32	11/23/22 08:39	1		
	MB	МВ								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac		
1-Chlorooctane	129		70 - 130			11/23/22 08:32	11/23/22 08:39	1		
o-Terphenyl	160	S1+	70 - 130			11/23/22 08:32	11/23/22 08:39	1		
— Г										
Lab Sample ID: LCS 880-40275/2	2-A				C	lient Sample I	D: Lab Control	Sample		

Lab Sample ID: LCS 880-40275/2-A Matrix: Solid Analysis Batch: 40262

Analysis Batch: 40262							Prep	Batch: 40275
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1024		mg/Kg		102	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1217		mg/Kg		122	70 - 130	
C10-C28)								

Eurofins Carlsbad

Prep Type: Total/NA

Page 66 of 83 SDG: 09D2041003 **Client Sample ID: Matrix Spike**

Client: Ensolum Project/Site: SV KIM HARRIS #003

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

	<u> </u>	• •	/ / / /		/						
Lab Sample ID: LCS 880-40	275/2-A						Client	Sampl	e ID: Lab Co	ontrol S	ample
Matrix: Solid									Prep 1	Type: To	tal/NA
Analysis Batch: 40262									Prep	Batch:	40275
		LCS									
Surrogate	%Recovery		Limits								
1-Chlorooctane		S1+	70 - 130								
o-Terphenyl	246	S1+	70 - 130								
Lab Sample ID: LCSD 880-4	0275/3_4					Clie	nt San		Lab Contro	Sampl	o Dun
Matrix: Solid	0213/3-A					Cilei	int San	ipie iD.			
										Type: To Retable	
Analysis Batch: 40262			Califo	1.000	1.000					Batch:	
A			Spike		LCSD	1114	_	0/ D = =	%Rec		RPD
Analyte			Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10			1000	998.9		mg/Kg		100	70 - 130	2	20
Diesel Range Organics (Over			1000	1210		mg/Kg		121	70 - 130	1	20
C10-C28)			1000	1210		ing/itg		121	10-100	1	20
0.00020,											
		LCSD									
Surrogate	%Recovery		Limits								
1-Chlorooctane		S1+	70 - 130								
o-Terphenyl	244	S1+	70 - 130								
Lab Sample ID: 890-3540-1	1/15								Client Sam	-	
Matrix: Solid										Type: To	
Analysis Batch: 40262										Batch:	40275
	-	Sample	Spike		MS		_		%Rec		
Analyte		Qualifier	Added		Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics	<50.0	U	997	1063		mg/Kg		107	70 - 130		
(GRO)-C6-C10	~=0.0		007	1005		m a // a		101	70 120		
Diesel Range Organics (Over C10-C28)	<50.0	0	997	1225		mg/Kg		121	70 - 130		
010-020)											
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	138	S1+	70 - 130								
o-Terphenyl	151	S1+	70 - 130								
Lab Sample ID: 890-3540-1	MSD								Client Sam		
Matrix: Solid									Prep 1	Type: To	tal/NA
Analysis Batch: 40262									Prep	Batch:	40275
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	<50.0	U	999	901.4		mg/Kg		90	70 - 130	16	20
(GRO)-C6-C10											
Diesel Range Organics (Over	<50.0	U	999	1116		mg/Kg		110	70 - 130	9	20
C10-C28)											
	MCD	MCD									

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	119		70 - 130
o-Terphenyl	140	S1+	70 - 130

Job ID: 890-3540-1 SDG: 09D2041003

Page 67 of 83

Eurofins Carlsbad

Released to Imaging: 1/5/2023 1:26:53 PM

Client: Ensolum Project/Site: SV KIM HARRIS #003

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

Lab Sample ID: MB 880-40387/1- Matrix: Solid Analysis Batch: 40408	A								Client S		Method Type: To Batch:	tal/NA
A we had	-	MB				11 14			Durana	A		
Analyte			Qualifier			Unit		D	Prepared	Analyz		Dil Fac
Gasoline Range Organics	<	\$50.0	U	50.0		mg/Kg	3		11/28/22 09:07	11/28/22	13:45	1
(GRO)-C6-C10 Diesel Range Organics (Over		<50.0		50.0		mg/Kg			11/28/22 09:07	11/28/22	13.15	1
C10-C28)		-00.0	0	50.0		mg/rtg	1		11/20/22 09.07	11/20/22	13.45	I
Oll Range Organics (Over C28-C36)	<	<50.0	U	50.0		mg/Kg	ı		11/28/22 09:07	11/28/22	13:45	1
						5.0	,					
		MB										
Surrogate	%Reco	-	Qualifier	Limits				_	Prepared	Analyz	zed	Dil Fac
1-Chlorooctane		129		70 - 130					11/28/22 09:07	11/28/22	13:45	1
o-Terphenyl		149	S1+	70 - 130				1	11/28/22 09:07	11/28/22	13:45	1
Lab Sample ID: LCS 880-40387/2 Matrix: Solid Analysis Batch: 40408	?- A			Spike	LCS	LCS		Cli	ent Sample	Prep 1	ontrol S Type: To Batch:	tal/NA
Analyte				Added	Result	Qualifier	Unit		D %Rec	Limits		
Gasoline Range Organics				1000	898.0		mg/Kg		90	70 - 130		
(GRO)-C6-C10 Diesel Range Organics (Over				1000	950.0		mg/Kg		95	70 - 130		
C10-C28)				1000	350.0		mg/itg		30	70 - 100		
		LCS										
Surrogate	%Recovery	Qual	ifier	Limits								
1-Chlorooctane	129			70 - 130								
p-Terphenyl	126			70 - 130								
Lab Sample ID: LCSD 880-40387	12_1						CI	ont S	ample ID: I	ab Contro		
Matrix: Solid	/ J-A							ent o			Гуре: То	
											Batch:	
Analysis Batch: 40408				Spike		LCSD				%Rec	Datch.	RPD
Analyte				-			11		D %Rec		000	
<u> </u>				Added		Qualifier	Unit			Limits	RPD	Limit
Gasoline Range Organics				1000	990.0		mg/Kg		99	70 - 130	10	20
(GRO)-C6-C10 Diesel Range Organics (Over				1000	919.0		mg/Kg		92	70 - 130	3	20
C10-C28)				1000	515.0		<u>9</u> /179		32	10-100	5	20
· - /												
	LCSD											
Surrogate	%Recovery	Qual	ifier	Limits								
1-Chlorooctane	128			70 - 130								
o-Terphenyl	126			70 - 130								
reipiicilyi												
Lab Sample ID: 880-21869-A-1-F Matrix: Solid	MS								Client		Гуре: То	tal/NA
Lab Sample ID: 880-21869-A-1-F Matrix: Solid				. .	•••				Client	Prep 1 Prep		tal/NA
Lab Sample ID: 880-21869-A-1-F Matrix: Solid Analysis Batch: 40408	MS Sample	-		Spike	MS	MS	Unit		Client	Prep 1	Гуре: То	tal/NA

Analysis Batch: 40408									Prep	Batch: 40387
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	<50.0	U F2	999	1131		mg/Kg		110	70 - 130	
(GRO)-C6-C10										
Diesel Range Organics (Over	<50.0	U	999	1232		mg/Kg		123	70 - 130	
C10-C28)										

Job ID: 890-3540-1 SDG: 09D2041003

Lab Sample ID: 880-21869-A-1-F MS

Matrix: Solid

Surrogate

o-Terphenyl

1-Chlorooctane

Analysis Batch: 40408

MS MS %Recovery Qualifier

109

102

Client Sample ID: Matrix Spike Prep Type: Total/NA Prep Batch: 40387 7 e Duplicate

Lab Sample ID: 880-21869-4	-1-G MSD					CI	ient Sa	ample IC	: Matrix Sp	oike Dup	licate
Matrix: Solid									Prep T	ype: To	tal/NA
Analysis Batch: 40408									Prep	Batch:	40387
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limi
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2	997	854.3	F2	mg/Kg		83	70 - 130	28	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	1090		mg/Kg		109	70 - 130	12	20
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	98		70 - 130								
o-Terphenyl	92		70 - 130								

Limits

70 - 130

70 - 130

										Client S	ample ID:	Method	Blank
Matrix: Solid											Prep	Type: S	oluble
Analysis Batch: 40328													
	MB	МВ											
Analyte R	Result	Qualifier		RL		Unit		D	Pr	epared	Analyz	ed	Dil Fac
Chloride	<5.00	U		5.00		mg/Kg	1				11/24/22	02:13	1
Lab Sample ID: LCS 880-40013/2-A								CI	ient	Sample	ID: Lab Co	ontrol S	ample
Matrix: Solid											Prep	Type: S	oluble
Analysis Batch: 40328													
-			Spike		LCS	LCS					%Rec		
Analyte			Added		Result	Qualifier	Unit		D	%Rec	Limits		
Chloride			250		262.4		mg/Kg			105	90 _ 110		
-													
Lab Sample ID: LCSD 880-40013/3-A							Cli	ient S	Sam	ple ID: I	Lab Contro	I Sampl	le Dup
Lab Sample ID: LCSD 880-40013/3-A Matrix: Solid							Cli	ient S	Sam	ple ID: I		l Sampl Type: S	
							Cli	ient S	Sam	ple ID: I			
Matrix: Solid			Spike		LCSD	LCSD	Cli	ient S	Sam	ple ID: I			
Matrix: Solid			Spike Added			LCSD Qualifier	Cli	ient S	Sam	ple ID: I %Rec	Prep		oluble
Matrix: Solid Analysis Batch: 40328			•					ient \$			Prep %Rec	Type: S	oluble RPD
Matrix: Solid Analysis Batch: 40328 Analyte			Added		Result		Unit	ient \$		%Rec 105	Prep %Rec Limits	Type: S	oluble RPD Limit 20
Matrix: Solid Analysis Batch: 40328 Analyte Chloride			Added		Result		Unit	ient S		%Rec 105	Prep %Rec Limits 90 - 110 Sample ID	Type: S	oluble RPD Limit 20 Spike
Matrix: Solid Analysis Batch: 40328 Analyte Chloride Lab Sample ID: 880-21769-A-7-B MS			Added		Result		Unit	ient S		%Rec 105	Prep %Rec Limits 90 - 110 Sample ID	Type: S <u></u> . Matrix	oluble RPD Limit 20 Spike
Matrix: Solid Analysis Batch: 40328 Analyte Chloride Lab Sample ID: 880-21769-A-7-B MS Matrix: Solid	Sam		Added		Result 262.6		Unit	ient S		%Rec 105	Prep %Rec Limits 90 - 110 Sample ID	Type: S <u></u> . Matrix	oluble RPD Limit 20 Spike
Matrix: Solid Analysis Batch: 40328 Analyte Chloride Lab Sample ID: 880-21769-A-7-B MS Matrix: Solid Analysis Batch: 40328			Added 250		Result 262.6	Qualifier	Unit	ient S		%Rec 105	Prep %Rec Limits 90 - 110 Sample ID Prep	Type: S <u></u> . Matrix	oluble RPD Limit 20 Spike

Page 70 of 83

Job ID: 890-3540-1 SDG: 09D2041003

Method: 300.0 - Anions, Ion Chromatography (Continued)

Matrix: Solid	o Sample ID: 880-21769-A-7-C MSD trix: Solid alysis Batch: 40328						ient Sa	ample ID	D: Matrix Sp Prep	pike Dup Type: So		4
	-	Sample	Spike		MSD				%Rec		RPD	5
Analyte		Qualifier	Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	19.3		252	277.0		mg/Kg		102	90 - 110	0	20	
												7
												8

Client: Ensolum Project/Site: SV KIM HARRIS #003

5

Job ID: 890-3540-1 SDG: 09D2041003

GC VOA

Prep Batch: 40456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3540-1	PH11A	Total/NA	Solid	5035	
890-3540-2	PH11B	Total/NA	Solid	5035	
890-3540-3	PH11C	Total/NA	Solid	5035	
890-3540-4	PH11D	Total/NA	Solid	5035	
MB 880-40456/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-40456/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-40456/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-21753-A-1-G MS	Matrix Spike	Total/NA	Solid	5035	
880-21753-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 40542

LUSD 000-40400/2-A	Lab Control Sample Dup	Total/INA	Solid	5035		
880-21753-A-1-G MS	Matrix Spike	Total/NA	Solid	5035		8
880-21753-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	5035		
Analysis Batch: 40542						9
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	10
890-3540-1	PH11A	Total/NA	Solid	8021B	40456	
890-3540-2	PH11B	Total/NA	Solid	8021B	40456	44
890-3540-3	PH11C	Total/NA	Solid	8021B	40456	
890-3540-4	PH11D	Total/NA	Solid	8021B	40456	12
MB 880-40456/5-A	Method Blank	Total/NA	Solid	8021B	40456	
LCS 880-40456/1-A	Lab Control Sample	Total/NA	Solid	8021B	40456	4.9
LCSD 880-40456/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	40456	13
880-21753-A-1-G MS	Matrix Spike	Total/NA	Solid	8021B	40456	
880-21753-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	40456	14

Analysis Batch: 40676

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-3540-1	PH11A	Total/NA	Solid	Total BTEX	
890-3540-2	PH11B	Total/NA	Solid	Total BTEX	
890-3540-3	PH11C	Total/NA	Solid	Total BTEX	
890-3540-4	PH11D	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 40262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3540-1	PH11A	Total/NA	Solid	8015B NM	40275
890-3540-2	PH11B	Total/NA	Solid	8015B NM	40275
890-3540-3	PH11C	Total/NA	Solid	8015B NM	40275
MB 880-40275/1-A	Method Blank	Total/NA	Solid	8015B NM	40275
LCS 880-40275/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	40275
LCSD 880-40275/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	40275
890-3540-1 MS	PH11A	Total/NA	Solid	8015B NM	40275
890-3540-1 MSD	PH11A	Total/NA	Solid	8015B NM	40275

Prep Batch: 40275

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-3540-1	PH11A	Total/NA	Solid	8015NM Prep	
890-3540-2	PH11B	Total/NA	Solid	8015NM Prep	
890-3540-3	PH11C	Total/NA	Solid	8015NM Prep	
MB 880-40275/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-40275/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-40275/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3540-1 MS	PH11A	Total/NA	Solid	8015NM Prep	

GC Semi VOA (Continued)

Prep Batch: 40275 (Continued)

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-3540-1 MSD	PH11A	Total/NA	Solid	8015NM Prep	
Prep Batch: 40387					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3540-4	PH11D	Total/NA	Solid	8015NM Prep	
MB 880-40387/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-40387/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-40387/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-21869-A-1-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-21869-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	
Analysis Batch: 40408					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3540-4	PH11D	Total/NA	Solid	8015B NM	40387
MB 880-40387/1-A	Method Blank	Total/NA	Solid	8015B NM	40387
LCS 880-40387/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	40387
LCSD 880-40387/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	40387
880-21869-A-1-F MS	Matrix Spike	Total/NA	Solid	8015B NM	40387
880-21869-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	40387
Analysis Batch: 40440					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3540-1	PH11A	Total/NA	Solid	8015 NM	
890-3540-2	PH11B	Total/NA	Solid	8015 NM	
890-3540-3	PH11C	Total/NA	Solid	8015 NM	
890-3540-4	PH11D	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 40013

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-3540-1	PH11A	Soluble	Solid	DI Leach	
890-3540-2	PH11B	Soluble	Solid	DI Leach	
890-3540-3	PH11C	Soluble	Solid	DI Leach	
890-3540-4	PH11D	Soluble	Solid	DI Leach	
MB 880-40013/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-40013/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-40013/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-21769-A-7-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-21769-A-7-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 40328

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3540-1	PH11A	Soluble	Solid	300.0	40013
890-3540-2	PH11B	Soluble	Solid	300.0	40013
890-3540-3	PH11C	Soluble	Solid	300.0	40013
890-3540-4	PH11D	Soluble	Solid	300.0	40013
MB 880-40013/1-A	Method Blank	Soluble	Solid	300.0	40013
LCS 880-40013/2-A	Lab Control Sample	Soluble	Solid	300.0	40013
LCSD 880-40013/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	40013
880-21769-A-7-B MS	Matrix Spike	Soluble	Solid	300.0	40013

Eurofins Carlsbad

Job ID: 890-3540-1 SDG: 09D2041003

Client: Ensolum Project/Site: SV KIM HARRIS #003 Job ID: 890-3540-1 SDG: 09D2041003

HPLC/IC (Continued)

Analysis Batch: 40328 (Continued)

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch	
880-21769-A-7-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	40013	

Eurofins Carlsbad

5

9

Job ID: 890-3540-1 SDG: 09D2041003

Lab Sample ID: 890-3540-1 Matrix: Solid

Lab Sample ID: 890-3540-2

Matrix: Solid

Matrix: Solid

Date Collected: 11/17/22 12:00 Date Received: 11/18/22 16:00

Client Sample ID: PH11A

Project/Site: SV KIM HARRIS #003

Client: Ensolum

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	40456	11/28/22 12:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40542	11/29/22 20:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40676	11/30/22 10:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			40440	11/28/22 11:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	40275	11/23/22 09:52	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40262	11/23/22 11:38	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	40013	11/20/22 12:25	СН	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	40328	11/24/22 05:13	СН	EET MID

Client Sample ID: PH11B

Date Collected: 11/17/22 12:10

Date Received: 11/18/22 16:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	40456	11/28/22 12:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40542	11/29/22 21:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40676	11/30/22 10:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			40440	11/28/22 11:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	40275	11/23/22 09:52	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40262	11/23/22 12:44	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	40013	11/20/22 12:25	СН	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	40328	11/24/22 05:20	СН	EET MID

Client Sample ID: PH11C Date Collected: 11/17/22 12:20

Date Received: 11/18/22 16:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	40456	11/28/22 12:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40542	11/29/22 21:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40676	11/30/22 10:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			40440	11/28/22 11:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	40275	11/23/22 09:52	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40262	11/23/22 13:06	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	40013	11/20/22 12:25	СН	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	40328	11/24/22 05:26	CH	EET MID

Client Sample ID: PH11D Date Collected: 11/17/22 12:30 Date Received: 11/18/22 16:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	40456	11/28/22 12:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40542	11/29/22 22:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40676	11/30/22 10:01	SM	EET MID

Eurofins Carlsbad

Lab Sample ID: 890-3540-3

Lab Sample ID: 890-3540-4 Matrix: Solid Project/Site: SV KIM HARRIS #003

Job ID: 890-3540-1 SDG: 09D2041003

Lab Sample ID: 890-3540-4 Matrix: Solid

Date Collected: 11/17/22 12:30 Date Received: 11/18/22 16:00

Client Sample ID: PH11D

Client: Ensolum

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			40440	11/29/22 12:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	40387	11/28/22 09:07	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40408	11/29/22 00:02	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	40013	11/20/22 12:25	СН	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	40328	11/24/22 05:33	CH	EET MID

Laboratory References:

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

Eurofins Carlsbad

Released to Imaging: 1/5/2023 1:26:53 PM

Accreditation/Certification Summary

Laboratory: Eurofins Midland

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

thority	Pi	rogram	Identification Number	Expiration Date
kas	N	ELAP	T104704400-22-24	06-30-23
The following analytes	are included in this report by	ut the laboratory is not certif	ied by the governing authority. This list ma	av include analytes for
the agency does not o	ffer certification.	·	, , , , ,	.,
the agency does not o Analysis Method		Matrix	Analyte	
the agency does not o	ffer certification.	·	, , , , ,	

Job ID: 890-3540-1

SDG: 09D2041003

Page 76 of 83

10

Job ID: 890-3540-1 SDG: 09D2041003

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	MCAWW	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID
	rences: STM International = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, M	arch 1983 And Subsequent Revisions.	
SW846 = '	'Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third E	dition, November 1986 And Its Updates.	
TAL SOP :	 TestAmerica Laboratories, Standard Operating Procedure 		
Laboratory Re			
EET MID =	Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440)	

Protocol References:

Laboratory References:

Client: Ensolum Project/Site: SV KIM HARRIS #003 Job ID: 890-3540-1 SDG: 09D2041003

o Sample ID	Client Sample ID	Matrix	Collected	Received	Depth	
)-3540-1	PH11A	Solid	11/17/22 12:00	11/18/22 16:00	6	_
)-3540-2	PH11B	Solid	11/17/22 12:10	11/18/22 16:00	12	
)-3540-3	PH11C	Solid	11/17/22 12:20	11/18/22 16:00	24	. 8
)-3540-4	PH11D	Solid	11/17/22 12:30	11/18/22 16:00	48	
						8
						9
						1
						- 5

			·Maa lle		ar W	C	A
e) Date/Time	Received by: (Signature)		Date/Time	ire)	Received y: (Signature)	nature)	Relinquished by: (Signature)
	ditions ontrol y negotiated.	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be lable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	urofins Xenco, its affiliates and penses incurred by the client if to Eurofins Xenco, but not analy	rder from client company to E ponsibility for any losses or ex 55 for each sample submitted	es constitutes a valid purchase of and shall not assume any resonant of the second secon	and relinquishment of sample able only for the cost of sample ge of \$85.00 will be applied to	lotice: Signature of this document if service. Eurofins Xenco will be li if Eurofins Xenco. A minimum cha
TI Sn U V Zn /7470 /7471	li K Se Ag SiO ₂ Na Sr Hg: 1631/245.1	bh As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo N Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U	Sb As Ba Be B Cd Sb As Ba Be Cd C	A 13PPM Texas 11 Al Sb TCLP/SPLP 6010 : 8RCRA SI	8RCRA 131 yzed TCLP /	200.8 / 6020: Metal(s) to be anal	Total 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed
			VVV	CK" Q 1	HAZZ 1230	5	PH 11D
				12" (g 1	11-17-12 1/2/10	csco	DH II C
			N N N	6" 6	1H1-22 1200	S	PHILA
Sample Comments			* of THE BOA	h Grab/ Comp	Date Time Sampled Sampled	on Matrix	Sample Identification
NaOH+Ascorbic Acid: SAPC		_	L H E h	à à	Corrected Temperature:		Total Containers:
Zn Acetate+NaOH: Zn	tody	890-3540 Chain of Custody	X	2.4	Temperature Reading:	No	Sample Custody Seals:
Na 2S 2O3: NASO 3			Para	C.O.	Thermometer ID: Correction Factor:	Yes No IN/A	Samples Received Intact: Cooler Custody Seals:
H ₃ PO 4: HP			meter	<u> </u>	tres ND Wet Ice:	~	SAMPLE RECEIPT
H ₂ SO ₄ : H ₂ NaOH: Na					the lab, if r		
				TAT starts the day received by	at the second	TU COMAN - TO	Sampler's Name:
Molifer in March Ma			de	Code	Dheel		Project Number:
ervative		ANALYSIS REQUEST	, , ,		T / CWA	DIIII HHUUS	Project Name:
AUaP1 U Other:			alsolution (-1 ANNOR	HO Email:	HAU-125(5)	Phone:
				City, State ZIP:	0 010.88 10 0	utshad NM	City, State ZIP:
	State of Project:	State		Address:	Jurko Huuy	22 Nort'I 4	Address:
wnfields RRC Superfund	ram: UST/PST PRP Brownfields	Program:		Company Name:	C	nsolum, 11	Company Name:
omments	Work Order Comments		B. G.	Bill to: (if different)		JUN IVION	Project Manager:
Page of /	www.xenco.com					2	
	Work Order No:	io, TX (210) 509-3334 TX (806) 794-1296 NM (575) 988-3199	Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	Midland, TX EL Paso, TJ Hobbs, NA	Environment Testing Xenco		
		TX (214) 902-0300	Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300	Houston.		SU	eurofins

Page 79 of 83

Page of	omments ownfields RRC Superfund PST/UST RRP Level IV	Preservative Codes None: NO DI W ater: H ₂ O Cool: Cool MeOH: Me HCL: HC HNO 3; HN H ₃ PO 4; HP NaOH: Na Nap5 0, 3; Na5O 3 Sample Comments Sample Comments Sample Comments	TI Sn U V Zn /7470 /7471	Date/Time Bevised Date. 06/15/2020 flew. 2020 2
Work Order No:	Work Order Comments Program: UST/PST PRP Brownfields State of Project: Reporting: Level III PST/UST Reporting: Level III ADaPT Deliverables: EDD		li K Se Ag SiO ₂ Na Sr Hg: 1631/245.1 ^{lated.}	Received by: (Signature)
Chain of Custody Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	COM	ANALYSIS REQUEST ANALYSIS REQUEST 880-3540 Chain of Custody	Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 AI Sb As Bs B Cd Ca Cr Co Cu Fe PM Mo Ni K Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb Sb As Ba Be Cd Co Cu PM Mn Mo Ni K Natice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of stamples and shall not assume any responsibility for any losses and cue to chromateness bround the control of the conditions of stamples and shall not assume supresponsibility for any losses and cue to chromateness previous the control of the condictions of stamples and a charact Si for each stample stampties to burn that analized. These stamptas due conditions of the condictions of stamples and a charact Si for each stampted stampted stamps will be enforced unless previously the control of the condiction.	e Relinquished by: (Signature) ((0 (2X) 4 6
Chain of Houston, TX (281) 240-420 Midland, TX (432) 704-5440, 5 EL Paso, TX (915) 585-3443, Hobbs, NM (575) 392-7550,	Bill to: (if different) (A. C. Company Name: Address: City, State ZIP: Email: AM/OJC (A) 0//S/0/U/M	Turn Around Turn Around Moutine Inush Due Date: Pres. Due Date: Pres. Due Date: Pres. Met Ise: No Wet Ise: Around Met Ise: Around Parameters: Around Parameter Around	A 13PPM Texas 11 AI Sb As Ba Be B Cd TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd C urchase order from client company to Eurofins Xenco, its affiliates and a more ords for each sample submitted to Eurofins Xenco, hur not analis	ature) Date/Time
Environment Testing Xenco	N MON SUMM // C Nut / HANTA HUUU SPOOL NM 88220 d	MINI HYLDIS # 103 Tur C2.0L41003 Waturine Waturine Q4/SSH -103.30SSH 20ue Date: Pratsants tr Anone Wet beside Wet beside Press No NA Wet beside Yes No NA Correction Factor: Yes No NA Corrected Temperature: Natrix Bate Time N Matrix Bate Time N Natrix 20100 200 S 11-17-02 17.00 11-170 S 11-17-02 12.00 S 11-17-02 12.00 S 11-17-02 12.00	200.8 / 6020: BRCRA 1 tal(s) to be analyzed TCLF relinquishment of samples constitutes a valid purchas only for the cost of samples and shall not assume any only for while analied to each project and of ana	ure) Received av: (Signature)
🐝 eurofins	Project Manager: DOU Company Name: And Address: City, State ZIP: DOU Phone: 2033	Project Name: Project Number: Project Location: Sampler's Name: P. 0. #: SAMPLE RECEIPT Samples Received Intact: Cooler Custody Seals: Sample Custody Seals: Total Containers: DH II D DH II D DH II D DH II D	Total 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed Notice: Signature of this document and relinquishment of amples const of service. Eurofins Seaco will be liable only for the cost of samples and defending verses Animium change of \$85.00 will be availed to sech	Relippuished by: (Signature)

11/30/2022

Page 80 of 83

5

Job Number: 890-3540-1 SDG Number: 09D2041003

List Source: Eurofins Carlsbad

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 3540 List Number: 1 Creator: Clifton, Cloe

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

Released to Imaging: 1/5/2023 1:26:53 PM

Job Number: 890-3540-1 SDG Number: 09D2041003

List Source: Eurofins Midland

List Creation: 11/22/22 11:47 AM

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 3540 List Number: 2 Creator: Rodriguez, Leticia

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

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

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

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

District III

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

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

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

CONDITIONS

Operator:		OGRID:	
ARM	ISTRONG ENERGY CORP	1092	
P.O.	. Box 1973	Action Number:	
Rosv	well, NM 88202	163364	
		Action Type:	
[C-141] Release Corrective Action (C-141)		[C-141] Release Corrective Action (C-141)	

CONDITIONS

Created By		Condition Date
jnobui	Closure Approved.	1/5/2023

Page 83 of 83

Action 163364