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	NAPP2224236187
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible	Party XTO) Energy		OGRID :	OGRID 5380		
Contact Name Garrett Green				Contact Te	Contact Telephone 575-200-0729		
Contact ema	il garrett.gre	en@exxonmobil.c	om	Incident #	(assigned by OCD)		
			reet, Carlsbad, Nev	w Mexico, 88220			
			т	CD I C			
			Location	of Release So			
Latitude 32.	31651°			Longitude _	-103.94173°		
			(NAD 83 in dec	imal degrees to 5 decin	nal places)		
Site Name	Nash Unit 3	36		Site Type	Production Wel	1	
Date Release	Discovered	08/17/2022		API# (if app	olicable)		
Unit Letter	Section	Township	Danga	Coun	.+]	
		•	Range		•		
K	12	23S	29E	Edd	У		
Surface Owner	r: State	➤ Federal ☐ Tr	ribal 🔲 Private (A	lame:)	
			NI - 4 I	X7.1	D - 1		
			Nature and	Volume of I	Keiease		
				calculations or specific		volumes provided below)	
Crude Oil		Volume Release	7.09		Volume Reco	3.10	
× Produced	Water	Volume Release	d (bbls) 51.99		Volume Recovered (bbls) 42.24		
			ion of total dissolv water >10,000 mg/	` ,	Yes X No	0	
Condensa	nte	Volume Release			Volume Recovered (bbls)		
Natural Gas Volume Released (Mcf)				Volume Recovered (Mcf)			
Other (describe) Volume/Weight Released (provide units		units)	Volume/Weight Recovered (provide units)				
Cause of Rel	ease Worn e	quipment caused t	he stuffing box to	release fluids to we	ell pad. A vacuu	um truck recovered all free fluids. A	
	third-pa	arty contractor has	been retained for r	remediation purpos	ses.		

Received by OCD: 9/12/2023 7:51:26 AMI
State of New Mexico
Page 2
Oil Conservation Division

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	w,	^	•	-	v	-		•

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Was this a major	If YES, for what reason(s) does the respon	sible par	ty consider this a major release?
release as defined by	A release greater than 25 barrels.		
19.15.29.7(A) NMAC?			
🗶 Yes 🗌 No			
If YES, was immediate no	otice given to the OCD? By whom? To wh	om? Wh	en and by what means (phone, email, etc)?
Yes, by Jake Foust to ocd.	enviro@state.nm.us, Mike Bratcher, and Ro	obert Han	nlet on 08/18/2022 via email.
	T 1// LD		
	Initial Re	espons	e
The responsible j	party must undertake the following actions immediately	y unless the	y could create a safety hazard that would result in injury
The source of the rele	**		
_ *	s been secured to protect human health and		
Released materials ha	ave been contained via the use of berms or d	ikes, abs	orbent pads, or other containment devices.
➤ All free liquids and re	ecoverable materials have been removed and	d manage	d appropriately.
If all the actions described	d above have <u>not</u> been undertaken, explain v	why:	
NA			
			on immediately after discovery of a release. If remediation
0 1			we been successfully completed or if the release occurred whealt information model for allowers evaluation
			ch all information needed for closure evaluation.
			knowledge and understand that pursuant to OCD rules and nd perform corrective actions for releases which may endanger
public health or the environr	ment. The acceptance of a C-141 report by the O	CD does 1	not relieve the operator of liability should their operations have
			ndwater, surface water, human health or the environment. In lity for compliance with any other federal, state, or local laws
and/or regulations.	The control of the co	op emere	,,,,,,,,,
Printed Name: Garrett G	reen	Title:	SSHE Coordinator
Signature:	At Sun		8/29/2022
	conmobil com		
email: garrett.green@exx		Teleph	one:
OCD Only			
	n Harimon	Dotas	08/30/2022
Received by:Jocelyr	THAIRMON	Date: _	00,00,2022

Location:	Nash Unit 36		
Spill Date:	8/17/2022		
	Area 1		
Approximate A	rea =	8297.00	sq. ft.
Average Satura	tion (or depth) of spill =	3.00	inches
Average Porosi	ty Factor =	0.03	
	VOLUME OF LEAK		
Total Crude Oil	=	7.09	bbls
Total Produced	Water =	51.99	bbls
	TOTAL VOLUME OF I	LEAK	
Total Crude Oi	=	7.09	bbls
Total Produced	l Water =	51.99	bbls
	TOTAL VOLUME RECO	VERED	
Total Crude Oi	=	5.76	bbls
Total Produced	Water =	42.24	bbls

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

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

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

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

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

CONDITIONS

Action 139363

CONDITIONS

Operator:	OGRID:
XTO ENERGY, INC	5380
,	Action Number:
Midland, TX 79707	139363
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimor	None	8/31/2022

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Incident ID	NAPP2224236187	
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Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u><50</u> (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 ⊠ No		
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ⊠ No		
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ⊠ No		
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ⊠ No		
Are the lateral extents of the release overlying an unstable area such as karst geology?	⊠ Yes □ No		
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ⊠ No		
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes ⊠ No		
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.			
Characterization Report Checklist: Each of the following items must be included in the report.			
 Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. Field data Data table of soil contaminant concentration data Depth to water determination Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release. 			

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.

Boring or excavation logs

Topographic/Aerial maps

Photographs including date and GIS information

☐ Laboratory data including chain of custody

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Page 4 Oil Conservation Division

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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: _Garrett Green	Title: _Environmental Coordinator			
Signature:	Date:2/13/2023			
email: _garrett.green@exxonmobil.com	Telephone:575-200-0729			
OCD Only				
Received by:	Date: <u>02/13/2023</u>			

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Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.							
 Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation points Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required) 							
Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation.							
Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.							
Extents of contamination must be fully delineated.							
Contamination does not cause an imminent risk to human health, the environment, or groundwater.							
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: Garrett Green Title: Environmental Coordinator							
Signature: Date:							
email: garrett.green@exxonmobil.com Telephone:575-200-0729							
OCD Only							
Received by: Jocelyn Harimon Date: 02/13/2023							
Approved							
Signature: Date:							

	Page 8 of 356
Incident ID	NAPP2224236187
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Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.									
Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation points Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)									
<u>Deferral Requests Only</u> : Each of the following items must be confirmed as part of any request for deferral of remediation.									
Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.									
Extents of contamination must be fully delineated.									
Contamination does not cause an imminent risk to human health, the environment, or groundwater.									
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: Garrett Green Title: Environmental Coordinator									
Signature: Date: Date:									
email: garrett.green@exxonmobil.com Telephone:575-200-0729									
OCD Only									
Received by: Jocelyn Harimon Date:02/13/2023									
☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved									
Signature: Robert Hamlet Date: 6/14/2023									

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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 19.15.2	29.11 NMAC
X Photographs of the remediated site prior to backfill or phomust be notified 2 days prior to liner inspection)	otos of the liner integrity if applicable (Note: appropriate OCD District office
X Laboratory analyses of final sampling (Note: appropriate C	ODC District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file ce may endanger public health or the environment. The acceptance should their operations have failed to adequately investigate and human health or the environment. In addition, OCD acceptance compliance with any other federal, state, or local laws and/or regrestore, reclaim, and re-vegetate the impacted surface area to the accordance with 19.15.29.13 NMAC including notification to the	replete to the best of my knowledge and understand that pursuant to OCD rules retain release notifications and perform corrective actions for releases which the of a C-141 report by the OCD does not relieve the operator of liability a remediate contamination that pose a threat to groundwater, surface water, and a C-141 report does not relieve the operator of responsibility for gulations. The responsible party acknowledges they must substantially be conditions that existed prior to the release or their final land use in the OCD when reclamation and re-vegetation are complete.
Printed Name: Garrett Green	Title: SSHE Coordinator
Signature: garrett.green@exxonmobil.com email:	Date: 9/11/2023
email:	Telephone: 575-200-0729
OCD Only	
Received by:	Date:
	arty of liability should their operations have failed to adequately investigate and ace water, human health, or the environment nor does not relieve the responsible and/or regulations.
Closure Approved by:	Date:
Printed Name:	Title:



September 11, 2023

New Mexico Oil Conservation Division 1220 South St. Francis Drive Santa Fe, New Mexico 87505

Re: Closure Request
Nash Unit 36

Incident Number NAPP2224236187

Eddy County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of XTO Energy, Inc. (XTO), has prepared the following *Closure Request* to document remedial actions completed to address impacted soil identified at the Nash Unit 36 (Site) following the New Mexico Oil Conservation Division (NMOCD) approval of the February 13, 2023 *Remediation Work Plan*. The purpose of remedial actions was to address impacted soil resulting from a release of crude oil and produced water at the Site. Based on excavation activities and soil sample laboratory analytical results, XTO is submitting this Closure Request, describing remediation activities that have occurred and requesting no further action for Incident Number NAPP2224236187.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit K, Section 12, Township 23 South, Range 29 East, in Eddy County, New Mexico (32.31651°, -103.94173°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On August 17, 2022, worn equipment caused the stuffing box to release 7.09 barrels (bbls) of crude oil and 51.99 bbls produced water onto the well pad surface. A vacuum truck was dispatched to the Site and recovered approximately 5.76 bbls of crude oil and 42.24 bbls of produced water. XTO immediately reported the release to the NMOCD via email on August 18, 2022 and submitted a Release Notification Form C-141 (Form C-141) on August 29, 2022. The release was assigned Incident Number nAPP2224236187.

Between September 28, 2022, and November 18, 2022, Ensolum personnel conducted Site assessment activities to evaluate the release extent based on information provided on the Form C-141 and visual observations. Results of the assessments were presented in the February 2023 *Remediation Work Plan* (Work Plan) and were conditionally approved by NMOCD on June 14, 2023 with the following conditions of approval:

The Remediation Plan is Conditionally Approved. Due to high karst and shallow groundwater, the release needs to meet the strictest closure criteria standards. The proposed background chloride concentration of 14,600 mg/kg is denied. The background numbers at a depth of 1 foot should be averaged. The background numbers at a depth of 2 feet should be averaged and so on. The composite numbers will be used for the final background chloride numbers. Samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Collect confirmation

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants 3122 National Park Highway | Carlsbad, NM 882200 | ensolum.com

XTO Energy, Inc. Closure Request Nash Unit 36

samples, representing no more than 200 ft². A closure report will need to be completed and uploaded within 90 days.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess the applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented on page 3 of the Form C-141, Site Assessment/Characterization. Potential site receptors are identified on Figure 1.

Based on the results of the Site Characterization and the approved *Work Plan*, the following NMOCD Table I Closure Criteria (Closure Criteria) were applied:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH): 100 mg/kg

Based on the proximity of the Site to a salt lake (approximately 80 feet northwest of the well pad), naturally occurring chloride concentrations in the area were assessed. A total of four background potholes (PH01 through PH04, see Figure 2) were advanced off pad, in areas that did not appear to be disturbed by oil and gas operations, to depths ranging from 1-foot to 4 feet bgs. Laboratory analytical results indicated naturally occurring chloride concentrations in soil in undisturbed areas ranged from 3,050 mg/kg in PH02A to 14,600 mg/kg. Per the NMOCD's conditions of approval, chloride concentrations for each depth sampled was averaged and utilized for comparing soil analytical results following excavation activities. The following summarizes average chloride concentrations by depth:

- Ground surface to 1-foot bgs: 8,088 mg/kg;
- 2 feet bgs: 5,035 mg/kg;
- 3 feet bgs: 5,657 mg/kg; and
- 4 feet bgs: 6,255 mg/kg

As such, these concentrations were utilized as the Site-specific chloride Closure Criteria for excavation confirmation sampling. It should be noted, those background soil samples collected from potholes PH01 through PH04 with concentrations higher than the average, but within the presented range of background concentrations, were not deemed to be "exceeding the Site-specific" Closure Criteria.

EXCAVATION ACTIVITIES

Between November 7 and December 6, 2022, Ensolum personnel oversaw excavation of impacted soil utilizing a backhoe, track hoe, and transport vehicles. Excavation activities were directed by delineation soil sample results and field screening results for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. The excavation was mapped utilizing a handheld Global Positioning System (GPS) unit and is depicted on Figure 3. Photographic documentation was completed and a photographic log is included in Appendix A.

The initial excavation depth ranged from 0.5 feet to 1-foot bgs. Following removal of impacted soil, 5-point composite soil samples were collected every 200 square feet from the floor and sidewall of the excavation extent. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing.



XTO Energy, Inc. Closure Request Nash Unit 36

Confirmation soil samples FS01 and FS51 were collected from the floor of the excavation at depths ranging from 0.5 feet to 1-foot bgs. Since the initial excavation was completed to 1-foot bgs or less, soil from the sidewalls of the excavation were incorporated into the floor soil sample composites. The confirmation soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 3.

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

Laboratory analytical results for initial confirmation soil samples indicated all floor soil samples were in compliance with the Closure Criteria and/or Site-specific Closure Criteria for chloride with the exception of floor soil samples FS29, FS32, and FS45. Between February 10, 2023 and August 14, 2023, additional excavation of impacted soil was completed. The length of time to complete all excavation activities was due to the pending Work Plan and final review of the conditions of approval from the NMOCD.

Final depths of the excavation ranged from 0.5 feet to 3 feet bgs. Subsequent laboratory analytical results for confirmation floor soil samples FS29C (sampled at 3 feet bgs), FS32A (sampled at 1.5 feet bgs), and FS45A (sampled at 1-foot bgs) as well as sidewall soil sample SW01 (collected at depths ranging from the ground surface to 3 feet bgs in the vicinity of floor soil sample FS29C@3') indicated all COCs were compliant with the Closure Criteria and/or the Site-specific Closure Criteria for chloride. All confirmation soil sample locations are depicted on Figure 3. Laboratory analytical results are summarized in Table 1 and the laboratory analytical reports and chain-of-custody documentation are presented in Appendix B. NMOCD notifications are presented in Appendix C.

The final excavation area measured approximately 9,875 square feet in areal extent. A total of approximately 275 cubic yards of impacted soil were removed during all excavation activities and properly transported and disposed of at R360 in Hobbs, New Mexico.

CLOSURE REQUEST

XTO has followed through the February 2023 Work Plan and conditions of approval by the NMOCD. Following initial assessment activities at the Site and evaluation of naturally occurring chloride in soil at and around the Site based on its proximity to a salt lake, proper removal of impacted soil occurred with confirmation soil samples indicating as such. Remedial actions completed at the Site have addressed impacted soil stemming from the August 2022 release of crude oil and produced water. Excavation of impacted soil has been protective of human health, the environment, and groundwater. As such, XTO is respectfully requesting no further action for Incident Number NAPP2224236187.



XTO Energy, Inc. Closure Request Nash Unit 36

If you have any questions or comments, please contact Ms. Tacoma Morrissey at (337) 257-8307 or tmorrissey@ensolum.com.

Sincerely, **Ensolum, LLC**

Daniel R. Moir, PG Senior Managing Geologist

cc: Garrett Green, XTO Shelby Pennington, XTO

BLM

Ashley Ager, MS, PG Principal

ashley L. ager

Appendices:

Figure 1 Site Receptor Map

Figure 2 Delineation Soil Sample Locations Figure 3 Excavation Soil Sample Locations Table 1 Soil Sample Analytical Results

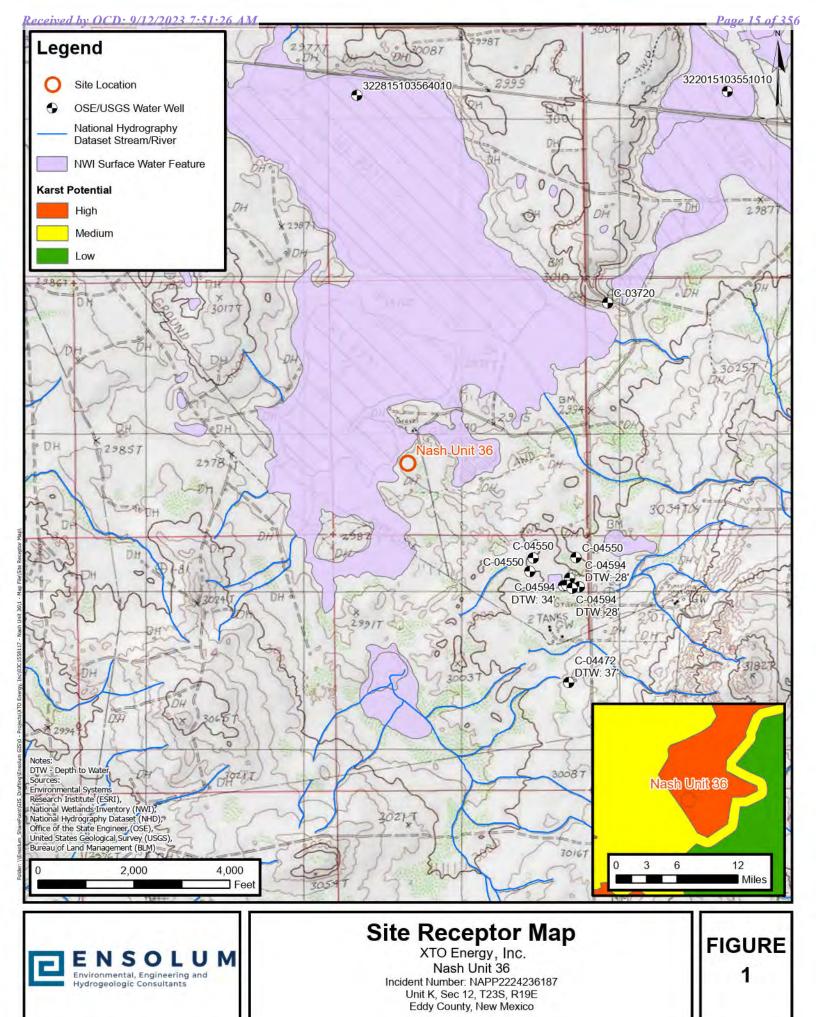
Appendix A Photographic Log

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

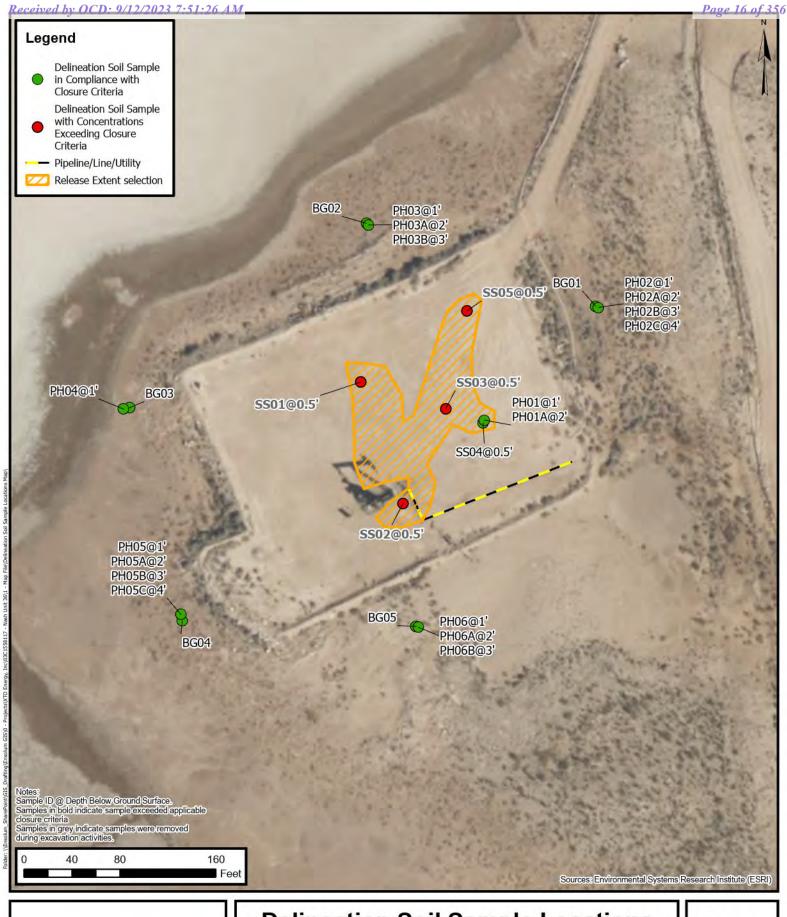
Appendix C NMOCD Notifications



Figures



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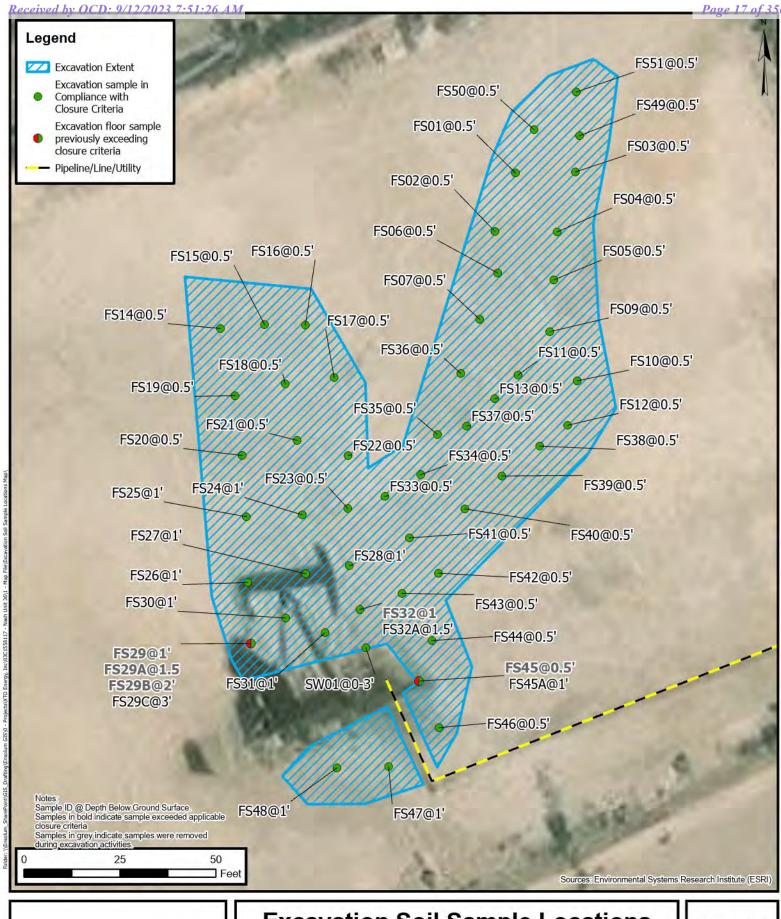




Delineation Soil Sample Locations

XTO Energy INC.
Nash Unit 36
Incident Number: NAPP2224236187
Unit K, Sec 12, T23S, R19E
Eddy County, New Mexico

FIGURE 2





Excavation Soil Sample Locations

XTO Energy INC.
Nash Unit 36
Incident Number: NAPP2224236187
Unit K, Sec 12, T23S, R19E
Eddy County, New Mexico

FIGURE 3

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Table

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TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS Nash Unit 36 XTO Energy, Inc. Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 C	Closure Criteria ((NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
	Averaged Natur	al Chloride Conce	ntrations per Dep	th: =1 foot bgs =</th <th>8,088 mg/kg; 2 fe</th> <th>et bgs = 5,035 mg</th> <th>/kg; 3 feet bgs = 5</th> <th>5,657 mg/kg; 4 feet b</th> <th>ogs = 6,255 mg/kg</th> <th></th>	8,088 mg/kg; 2 fe	et bgs = 5,035 mg	/kg; 3 feet bgs = 5	5,657 mg/kg; 4 feet b	ogs = 6,255 mg/kg	
				Deli	neation Soil Sa	mples				
SS01	09/28/2022	0.5	<0.00201	<0.00402	<250	18700	3280	18,700	22,000	312
\$\$02	09/28/2022	0.5	<0.00198	<0.00396	<249	15300	2360	15,300	17,700	119
\$\$03	09/28/2022	0.5	<0.00199	0.0964	<250	9120	1670	9,120	10,800	208
SS04	09/28/2022	0.5	<0.00200	<0.00399	<49.9	68.1	<49.9	68.1	68.1	145
SS05	09/28/2022	0.5	<0.00199	<0.00398	<250	12200	1860	12,200	14,100	128
PH01	11/18/2022	1	NA	NA	NA	NA	NA	NA	NA	476
PH01A	11/18/2022	2	NA	NA	NA	NA	NA	NA	NA	1,240
PH02	11/18/2022	1	NA	NA	NA	NA	NA	NA	NA	4,430
PH02A	11/18/2022	2	NA	NA	NA	NA	NA	NA	NA	3,050
PH02B	11/18/2022	3	NA	NA	NA	NA	NA	NA	NA	6,460
PH02C	11/18/2022	4	NA	NA	NA	NA	NA	NA	NA	4,860
PH03	11/18/2022	1	NA	NA	NA	NA	NA	NA	NA	7,870
PH03A	11/18/2022	2	NA	NA	NA	NA	NA	NA	NA	7,520
PH03B	11/18/2022	3	NA	NA	NA	NA	NA	NA	NA	4,730
PH04	11/18/2022	1	NA	NA	NA	NA	NA	NA	NA	14,600
PH05	11/18/2022	1	NA	NA	NA	NA	NA	NA	NA	10,100
PH05A	11/18/2022	2	NA	NA	NA	NA	NA	NA	NA	5,160
PH05B	11/18/2022	3	NA	NA	NA	NA	NA	NA	NA	7,330
PH05C	11/18/2022	4	NA	NA	NA	NA	NA	NA	NA	7,650
PH06	11/18/2022	1	NA	NA	NA	NA	NA	NA	NA	3,440
PH06A	11/18/2022	2	NA	NA	NA	NA	NA	NA	NA	4,410
PH06B	11/18/2022	3	NA	NA	NA	NA	NA	NA	NA	4,110
				Confi	rmation Soil Sa	amples				
FS01	11/07/2022	0.5	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	1,840
FS02	11/07/2022	0.5	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	2,160
FS03	11/07/2022	0.5	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	304
FS04	11/07/2022	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	337
FS05	11/07/2022	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	535
FS06	11/07/2022	0.5	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	1,940

Ensolum 1 of 3

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TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS Nash Unit 36 XTO Energy, Inc. Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 (Closure Criteria (NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
FS07	11/07/2022	0.5	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	1,840
FS08	11/07/2022	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	1,480
FS09	11/07/2022	0.5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	569
FS10	11/07/2022	0.5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	382
FS11	11/07/2022	0.5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	428
FS12	11/07/2022	0.5	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	481
FS13	11/07/2022	0.5	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	1,670
FS14	11/07/2022	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	3,380
FS15	11/07/2022	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	4,860
FS16	11/07/2022	0.5	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	4,110
FS17	11/07/2022	0.5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	5,110
FS18	11/07/2022	0.5	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	5,450
FS19	11/07/2022	0.5	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	4,120
FS20	11/07/2022	0.5	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	7,510
FS21	11/07/2022	0.5	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	5,820
FS22	11/07/2022	0.5	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	5,110
FS23	11/07/2022	0.5	<0.00200	<0.00399	<49.9	59.4	<49.9	59.4	59.4	5,970
FS24	11/08/2022	1	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	50.7
FS25	11/08/2022	1	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	7,350
FS26	11/08/2022	1	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	<49.9	5,330
FS27	11/08/2022	1	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	2,590
FS28	11/08/2022	1	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	2,440
FS29	11/08/2022	1	<0.00198	<0.00396	<49.9	126	<49.9	126	126	9,550
FS29A	02/10/2023	1.5	<0.00199	<0.00398	<49.8	218	<49.8	218	218	1,430
FS29B	03/16/2023	2	<0.00198	<0.00396	<49.9	220	56	220	276	2,440
FS29C	08/14/2023	3	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	<50.0	2,810
FS30	11/08/2022	1	<0.00200	<0.00401	<50.0	60.6	<50.0	60.6	60.6	3,950
FS31	11/08/2022	1	<0.00201	<0.00402	<50.0	<50.0	93.7	<50.0	93.7	5,430
FS32	11/08/2022	1	<0.00200	<0.00399	<49.9	71.7	<49.9	71.7	71.7	10,300
FS32A	08/14/2023	1.5	<0.00202	<0.00404	<50.4	62.2	<50.4	62.2	62.2	3,420
FS33	11/08/2022	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	7,130
FS34	11/08/2022	0.5	<0.00198	< 0.00396	<49.9	<49.9	<49.9	<49.9	<49.9	6,680

Ensolum 2 of 3

Received by OCD: 9/12/2023 7:51:26 AM



TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS Nash Unit 36 XTO Energy, Inc. Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 C	Closure Criteria (NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
FS35	11/08/2022	0.5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	2,930
FS36	11/08/2022	0.5	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	7,950
FS37	11/08/2022	0.5	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	<49.9	6,790
FS38	11/08/2022	0.5	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	2,560
FS39	11/08/2022	0.5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	4,000
FS40	11/08/2022	0.5	<0.00200	<0.00399	<49.8	62.1	<49.8	62.1	62.1	6,460
FS41	11/08/2022	0.5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	4,650
FS42	11/08/2022	0.5	<0.00199	<0.00398	<49.8	59.2	<49.8	59.2	59.2	6,810
FS43	11/08/2022	0.5	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	4,990
FS44	11/08/2022	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	3,730
FS45	11/08/2022	0.5	<0.00199	<0.00398	<50.0	160	<50.0	160	160	5,830
FS45A	02/10/2023	1	<0.00200	<0.00399	<50.0	63.7	<50.0	63.7	63.7	1,510
FS46	11/08/2022	0.5	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	5,170
FS47	11/08/2022	1	<0.00201	<0.00402	<50.0	62.6	<50.0	62.6	62.6	5,990
FS48	11/08/2022	1	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	6,190
FS49	12/06/2022	0.5	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	89.0
FS50	12/06/2022	0.5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	232
FS51	12/06/2022	0.5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	310
SW01	08/14/2023	0 - 3	<0.00199	<0.00398	<50.4	<50.4	<50.4	<50.4	<50.4	2,390

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

Concentrations in bold exceed the NMOCD Table I Closure Criteria or reclamation

standard where applicable.

Grey text indicate soil sample removed during excavation activities

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NA: Not Analyzed

Ensolum 3 of 3



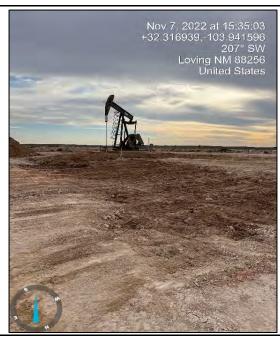
APPENDIX A

Photographic Log



Photographic Log
XTO Energy, Inc
Nash Unit 36
Incident Number NAPP2224236187





Photograph 1 Date: 9/28/2022

Description: Soil staining in release footprint.

View: West

Photograph 2 Date: 11/07/2022

Description: Excavation north of Pumpjack

View: Southwest





Photograph 3 Date: 8/14/2023

Description: Deeper excavation north of pumpjack.

View: West

Photograph 4 Date: 8/14/2023

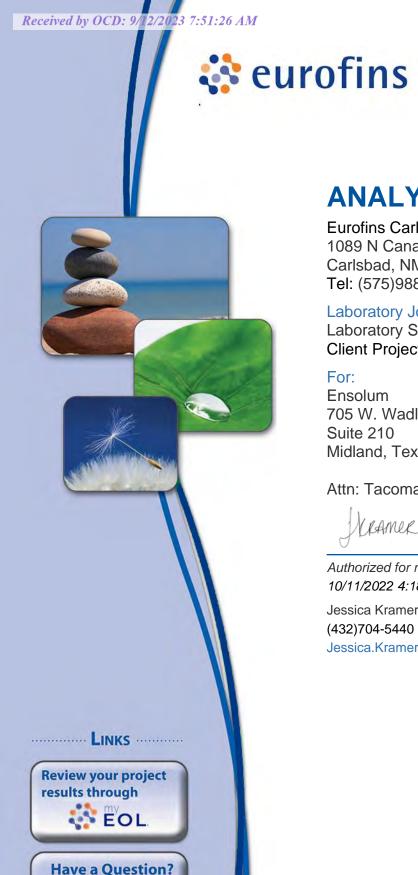
Description: Deeper excavation north of pumpjack.

View: North



APPENDIX B

Laboratory Analytical Reports & Chain-of-Custody Documentation



Visit us at:

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Released to Imaging: 1/31/2024 1:23:41 PM

Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-3106-1

Laboratory Sample Delivery Group: 03E1558117

Client Project/Site: NASH UNIT 36

For:

Ensolum 705 W. Wadley Suite 210 Midland, Texas 79701

Attn: Tacoma Morrissey

RAMER

Authorized for release by: 10/11/2022 4:18:13 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

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

Client: Ensolum
Project/Site: NASH UNIT 36
Laboratory Job ID: 890-3106-1
SDG: 03E1558117

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Definitions/Glossary

Job ID: 890-3106-1 Client: Ensolum Project/Site: NASH UNIT 36 SDG: 03E1558117

Qualifiers

GC	VOA
Qual	ifier

*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.

F2 MS/MSD RPD exceeds control limits

Qualifier Description

S1-Surrogate recovery exceeds control limits, low biased. Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.
F1 S1- S1+	MS and/or MSD recovery exceeds control limits. Surrogate recovery exceeds control limits, low biased. Surrogate recovery exceeds control limits, high biased

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossarv

Cioodaiy	
Abbreviation	These commonly used abbreviations may or may not be present in this report.
n	Listed under the "D" column to designate that the result is reported on a dry weight basis
%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)
	Botootion Limit (Bob/BoL)

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

DLC Decision Level Concentration (Radiochemistry) EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

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

NC Not Calculated

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

NEG Negative / Absent POS Positive / Present PQL Practical Quantitation Limit

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

Definitions/Glossary

 Client: Ensolum
 Job ID: 890-3106-1

 Project/Site: NASH UNIT 36
 SDG: 03E1558117

Glossary (Continued)

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

TNTC Too Numerous To Count

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Case Narrative

Client: Ensolum

Project/Site: NASH UNIT 36 SDG: (

Job ID: 890-3106-1 SDG: 03E1558117

Job ID: 890-3106-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-3106-1

Receipt

The samples were received on 9/29/2022 8:35 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.4°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-36450 and analytical batch 880-36624 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.

Method 8021B: o-Xylene biased high in LCSD. Since only an acceptable LCS is required per the method, the data has been qualified and reported.(LCSD 880-36450/2-A)

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 samples were outside control limits: (890-3104-A-1-B MS) and (890-3104-A-1-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SS01 (890-3106-1), SS02 (890-3106-2), SS03 (890-3106-3) and SS05 (890-3106-5). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-35819 and analytical batch 880-35738 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-35819 and analytical batch 880-35738 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-36006 and analytical batch 880-36264 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

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Client Sample Results

Client: Ensolum Job ID: 890-3106-1 Project/Site: NASH UNIT 36 SDG: 03E1558117

Client Sample ID: SS01

Lab Sample ID: 890-3106-1 Date Collected: 09/28/22 14:00 Matrix: Solid

Date Received: 09/29/22 08:35 Sample Depth: 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		10/08/22 13:26	10/11/22 14:10	1
Toluene	<0.00201	U	0.00201	mg/Kg		10/08/22 13:26	10/11/22 14:10	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		10/08/22 13:26	10/11/22 14:10	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		10/08/22 13:26	10/11/22 14:10	1
o-Xylene	<0.00201	U *+	0.00201	mg/Kg		10/08/22 13:26	10/11/22 14:10	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		10/08/22 13:26	10/11/22 14:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	73		70 - 130			10/08/22 13:26	10/11/22 14:10	1
1,4-Difluorobenzene (Surr)	97		70 - 130			10/08/22 13:26	10/11/22 14:10	1
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mothed: CW04C 004E NM Disease	I Damma Orman	: (DDO) (00)					
Method: SW846 8015 NM - Diese Analyte		CS (DRO) (Qualifier	GC) RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	22000		250	mg/Kg			10/03/22 11:45	1
- Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<250	U *1	250	mg/Kg		09/30/22 14:01	10/01/22 03:02	5
Diesel Range Organics (Over C10-C28)	18700		250	mg/Kg		09/30/22 14:01	10/01/22 03:02	5
Oll Range Organics (Over C28-C36)	3280		250	mg/Kg		09/30/22 14:01	10/01/22 03:02	5
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130			09/30/22 14:01	10/01/22 03:02	5
o-Terphenyl	434	S1+	70 - 130			09/30/22 14:01	10/01/22 03:02	5
Method: MCAWW 300.0 - Anions	Ion Chromato	graphy - So	oluble					
Wethou. WCAVVV 300.0 - Amons	, ion omate	9.46						
Analyte		Qualifier	RL 4.98	Unit mg/Kg	D	Prepared	Analyzed	Dil Fac

Client Sample ID: SS02 Lab Sample ID: 890-3106-2

Date Collected: 09/28/22 14:05 Date Received: 09/29/22 08:35

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		10/08/22 13:26	10/11/22 15:32	1
Toluene	<0.00198	U	0.00198	mg/Kg		10/08/22 13:26	10/11/22 15:32	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		10/08/22 13:26	10/11/22 15:32	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		10/08/22 13:26	10/11/22 15:32	1
o-Xylene	<0.00198	U *+	0.00198	mg/Kg		10/08/22 13:26	10/11/22 15:32	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		10/08/22 13:26	10/11/22 15:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130			10/08/22 13:26	10/11/22 15:32	1

Eurofins Carlsbad

Matrix: Solid

Job ID: 890-3106-1

Client: Ensolum Project/Site: NASH UNIT 36 SDG: 03E1558117

Client Sample ID: SS02 Lab Sample ID: 890-3106-2 Matrix: Solid

Date Collected: 09/28/22 14:05 Date Received: 09/29/22 08:35

Sample Depth: 0.5

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

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	85	70 - 130	10/08/22 13:26	10/11/22 15:32	1

. -		
Method: TAI	_ SOP Total BTEX	- Total BTEX Calculation

Analyte	Result Qualifier		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396 U	0.00396	mg/Kg			10/11/22 15:00	1

Mathed CMO4C CO4E NM Discal Dance Occasion (DI	201	1001	
Method: SW846 8015 NM - Diesel Range Organics (DI	くしょいし	((36.)	

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	17700	249	mg/Kg			10/03/22 11:45	1

	Mothod: SW046 904ED NM Diocol Dan	go Organico (DBO) (CC)	v
ı	Method: SW846 8015B NM - Diesel Ran	ge Organics (DRO) (GC)	,

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<249	U *1	249	mg/Kg		09/30/22 14:01	10/01/22 03:24	5
Diesel Range Organics (Over C10-C28)	15300		249	mg/Kg		09/30/22 14:01	10/01/22 03:24	5
Oll Range Organics (Over C28-C36)	2360		249	mg/Kg		09/30/22 14:01	10/01/22 03:24	5
0	0/ 0	O lifi	1:			D	A I	D# 5

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109	70 - 130	09/30/22 14:01	10/01/22 03:24	5
o-Terphenyl	292 S1+	70 - 130	09/30/22 14:01	10/01/22 03:24	5

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	119		5.05	mg/Kg			10/06/22 12:31	1

Client Sample ID: SS03 Lab Sample ID: 890-3106-3

Date Collected: 09/28/22 14:15 Date Received: 09/29/22 08:35

Sample Depth: 0.5

Method: SW846 8021B -	M-1-4!1- O	0 (00)

ngamo comp	ounus (CC)	,					
Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
<0.00199	U	0.00199	mg/Kg		10/08/22 13:26	10/11/22 15:53	1
0.0192		0.00199	mg/Kg		10/08/22 13:26	10/11/22 15:53	1
<0.00199	U	0.00199	mg/Kg		10/08/22 13:26	10/11/22 15:53	1
<0.00398	U	0.00398	mg/Kg		10/08/22 13:26	10/11/22 15:53	1
0.0772	*+	0.00199	mg/Kg		10/08/22 13:26	10/11/22 15:53	1
0.0772		0.00398	mg/Kg		10/08/22 13:26	10/11/22 15:53	1
%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
79		70 - 130			10/08/22 13:26	10/11/22 15:53	1
	Result <0.00199 0.0192 <0.00199 <0.00398 0.0772 0.0772 %Recovery	Result Qualifier	<0.00199	Result Qualifier RL Unit <0.00199	Result Qualifier RL Unit D <0.00199	Result Qualifier RL Unit D Prepared <0.00199	Result Qualifier RL Unit D Prepared Analyzed <0.00199

, .					
4-Bromofluorobenzene (Surr)	79	70 - 130	10/08/22 13:26	10/11/22 15:53	1
1,4-Difluorobenzene (Surr)	71	70 - 130	10/08/22 13:26	10/11/22 15:53	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result (Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0964		0.00398	mg/Kg			10/11/22 15:00	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	10800		250	mg/Kg		<u>.</u>	10/03/22 11:45	1

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Matrix: Solid

Job ID: 890-3106-1

10/06/22 12:48

Client: Ensolum Project/Site: NASH UNIT 36 SDG: 03E1558117

Client Sample ID: SS03 Lab Sample ID: 890-3106-3

Date Collected: 09/28/22 14:15 Matrix: Solid Date Received: 09/29/22 08:35

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<250	U *1	250	mg/Kg		09/30/22 14:01	10/01/22 03:45	5
Diesel Range Organics (Over C10-C28)	9120		250	mg/Kg		09/30/22 14:01	10/01/22 03:45	5
Oll Range Organics (Over C28-C36)	1670		250	mg/Kg		09/30/22 14:01	10/01/22 03:45	5
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130			09/30/22 14:01	10/01/22 03:45	5
o-Terphenyl	193	S1+	70 - 130			09/30/22 14:01	10/01/22 03:45	5
Method: MCAWW 300.0 - Anions	, Ion Chromato	ography - So	oluble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: SS04 Lab Sample ID: 890-3106-4 Date Collected: 09/28/22 14:20 Matrix: Solid

4.96

mg/Kg

208

Date Received: 09/29/22 08:35

Sample Depth: 0.5

Chloride

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		10/08/22 13:26	10/11/22 16:13	1
Toluene	<0.00200	U	0.00200	mg/Kg		10/08/22 13:26	10/11/22 16:13	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		10/08/22 13:26	10/11/22 16:13	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		10/08/22 13:26	10/11/22 16:13	1
o-Xylene	<0.00200	U *+	0.00200	mg/Kg		10/08/22 13:26	10/11/22 16:13	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		10/08/22 13:26	10/11/22 16:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130			10/08/22 13:26	10/11/22 16:13	1
1,4-Difluorobenzene (Surr)	72		70 - 130			10/08/22 13:26	10/11/22 16:13	1
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			10/11/22 15:00	1
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	68.1		49.9	mg/Kg			10/03/22 11:45	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9	mg/Kg		09/30/22 14:01	10/01/22 02:41	1
Diesel Range Organics (Over C10-C28)	68.1		49.9	mg/Kg		09/30/22 14:01	10/01/22 02:41	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		09/30/22 14:01	10/01/22 02:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130			09/30/22 14:01	10/01/22 02:41	1
o-Terphenyl	94		70 - 130			09/30/22 14:01	10/01/22 02:41	1

Job ID: 890-3106-1

Matrix: Solid

Client: Ensolum SDG: 03E1558117 Project/Site: NASH UNIT 36

Client Sample ID: SS04 Lab Sample ID: 890-3106-4 Matrix: Solid

Date Collected: 09/28/22 14:20 Date Received: 09/29/22 08:35

Sample Depth: 0.5

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble											
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac			
Chloride	145		4.98	mg/Kg			10/06/22 12:54	1			

Client Sample ID: SS05 Lab Sample ID: 890-3106-5

Date Collected: 09/28/22 14:25 Date Received: 09/29/22 08:35

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		10/08/22 13:26	10/11/22 16:34	1
Toluene	<0.00199	U	0.00199	mg/Kg		10/08/22 13:26	10/11/22 16:34	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		10/08/22 13:26	10/11/22 16:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		10/08/22 13:26	10/11/22 16:34	1
o-Xylene	<0.00199	U *+	0.00199	mg/Kg		10/08/22 13:26	10/11/22 16:34	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		10/08/22 13:26	10/11/22 16:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	66	S1-	70 - 130			10/08/22 13:26	10/11/22 16:34	1
1,4-Difluorobenzene (Surr)	103		70 - 130			10/08/22 13:26	10/11/22 16:34	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			10/11/22 15:00	1
Method: SW846 8015 NM - Diesel F	Range Organi	ics (DRO) (C	SC)					

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	14100	250	mg/Kg			10/03/22 11:45	1
Method: SW846 8015B NM - Diesel	Range Organics (DRO) (G	C)					
Analyto	Popult Qualifier	DI	Unit	D .	Droparod	Analyzod	Dil Eac

Analyte	Result	Qualifier	KL	Unit	ט	Prepared	Analyzed	DII Fac
Gasoline Range Organics (GRO)-C6-C10	<250	U *1	250	mg/Kg		09/30/22 14:01	10/01/22 04:07	5
Diesel Range Organics (Over C10-C28)	12200		250	mg/Kg		09/30/22 14:01	10/01/22 04:07	5
Oll Range Organics (Over C28-C36)	1860		250	mg/Kg		09/30/22 14:01	10/01/22 04:07	5
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130			09/30/22 14:01	10/01/22 04:07	5
o-Terphenyl	239	S1+	70 - 130			09/30/22 14:01	10/01/22 04:07	5

Method: MCAWW 300.0 - Anions, I	on Chromato	graphy - So	oluble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	128		4.99	mg/Kg			10/06/22 13:00	1

Surrogate Summary

 Client: Ensolum
 Job ID: 890-3106-1

 Project/Site: NASH UNIT 36
 SDG: 03E1558117

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

		BFB1	DFBZ1	Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-3105-A-1-C MS	Matrix Spike	85	101	
390-3105-A-1-D MSD	Matrix Spike Duplicate	82	100	
390-3106-1	SS01	73	97	
390-3106-2	SS02	76	85	
890-3106-3	SS03	79	71	
390-3106-4	SS04	83	72	
390-3106-5	SS05	66 S1-	103	
LCS 880-36450/1-A	Lab Control Sample	111	99	
LCSD 880-36450/2-A	Lab Control Sample Dup	122	106	
MB 880-36450/5-A	Method Blank	88	91	

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (A
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-3104-A-1-B MS	Matrix Spike	69 S1-	61 S1-	
890-3104-A-1-C MSD	Matrix Spike Duplicate	71	61 S1-	
890-3106-1	SS01	79	434 S1+	
890-3106-2	SS02	109	292 S1+	
890-3106-3	SS03	93	193 S1+	
890-3106-4	SS04	93	94	
890-3106-5	SS05	108	239 S1+	
LCS 880-35819/2-A	Lab Control Sample	106	110	
LCSD 880-35819/3-A	Lab Control Sample Dup	94	98	
MB 880-35819/1-A	Method Blank	108	116	

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Job ID: 890-3106-1 Client: Ensolum Project/Site: NASH UNIT 36 SDG: 03E1558117

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-36450/5-A

Analysis Batch: 36624

Client Sample ID: Method Blank **Matrix: Solid**

Prep Type: Total/NA Prep Batch: 36450

мв мв Dil Fac Analyte Result Qualifier RLUnit D Prepared Analyzed Benzene <0.00200 U 0.00200 mg/Kg 10/08/22 13:26 10/11/22 10:43 Toluene <0.00200 U 0.00200 10/08/22 13:26 10/11/22 10:43 mg/Kg 10/11/22 10:43 Ethylbenzene <0.00200 U 0.00200 mg/Kg 10/08/22 13:26 m-Xylene & p-Xylene <0.00400 U 0.00400 mg/Kg 10/08/22 13:26 10/11/22 10:43 <0.00200 U 0.00200 10/08/22 13:26 10/11/22 10:43 o-Xylene mg/Kg <0.00400 U Xylenes, Total 0.00400 mg/Kg 10/08/22 13:26 10/11/22 10:43

MB MB %Recovery Qualifier Limits Dil Fac Surrogate Prepared Analyzed 70 - 130 10/08/22 13:26 4-Bromofluorobenzene (Surr) 88 10/11/22 10:43 91 1,4-Difluorobenzene (Surr) 70 - 130 10/08/22 13:26 10/11/22 10:43

Client Sample ID: Lab Control Sample Lab Sample ID: LCS 880-36450/1-A

Matrix: Solid Prep Type: Total/NA Analysis Batch: 36624 Prep Batch: 36450 LCS LCS Spike Added Result Qualifier Unit %Rec Limits 0.100 0.08634 mg/Kg 86 70 - 130

Analyte Benzene Toluene 0.100 0.08646 mg/Kg 86 70 - 130 Ethylbenzene 0.100 0.08708 mg/Kg 87 70 - 130 m-Xylene & p-Xylene 0.200 0.1903 mg/Kg 95 70 - 130o-Xylene 0.100 0.1090 mg/Kg 109 70 - 130

LCS LCS Qualifier Limits Surrogate %Recovery 4-Bromofluorobenzene (Surr) 111 70 - 130 70 - 130 1,4-Difluorobenzene (Surr) 99

Lab Sample ID: LCSD 880-36450/2-A

Matrix: Solid

Analysis Batch: 36624

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

Prep Batch: 36450

LCSD LCSD RPD Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Benzene 0.100 0.09637 mg/Kg 96 70 - 130 11 35 Toluene 0.100 0.09772 mg/Kg 98 70 - 130 12 35 0.100 0.1077 mg/Kg 108 70 - 130 21 35 Ethylbenzene m-Xylene & p-Xylene 0.200 0.2381 mg/Kg 119 70 - 130 22 35 0.100 0.1334 *+ mg/Kg 133 70 - 130 20 35 o-Xylene

LCSD LCSD %Recovery Qualifier Limits Surrogate 4-Bromofluorobenzene (Surr) 122 70 - 130 1,4-Difluorobenzene (Surr) 106 70 - 130

Lab Sample ID: 890-3105-A-1-C MS

Matrix: Solid									Prep '	Type: Tota	al/NA
Analysis Batch: 36624									Prep	Batch: 30	6450
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	<0.00202	U F1 F2	0.0998	0.01209	F1	mg/Kg		12	70 - 130		
Toluene	< 0.00202	U F1 F2	0.0998	0.007769	F1	mg/Kg		8	70 - 130		

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Client Sample ID: Matrix Spike

Released to Imaging: 1/31/2024 1:23:41 PM

Client: Ensolum Project/Site: NASH UNIT 36 Job ID: 890-3106-1

Client Sample ID: Matrix Spike

SDG: 03E1558117

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

Lab Sample ID: 890-3105-A-1-C MS

Matrix: Solid

Prep Type: Total/NA Analysis Batch: 36624 Prep Batch: 36450 Sample Sample Spike MS MS %Rec Result Qualifier Added Result Qualifier Unit %Rec Limits

Analyte 0.008280 F1 Ethylbenzene <0.00202 U F1 F2 0.0998 70 - 130 mg/Kg 8 m-Xylene & p-Xylene <0.00403 U F1 F2 0.200 0.01613 F1 mg/Kg 8 70 - 130 0.0998 o-Xylene <0.00202 U*+ F1 0.01470 F1 70 - 130 mg/Kg 15 F2

MS MS

Limits Surrogate %Recovery Qualifier 85 70 - 130 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 101 70 - 130

Lab Sample ID: 890-3105-A-1-D MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 36624

Prep Type: Total/NA

Prep Batch: 36450 D

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00202	U F1 F2	0.0996	0.003787	F1 F2	mg/Kg		4	70 - 130	105	35
Toluene	<0.00202	U F1 F2	0.0996	0.002329	F1 F2	mg/Kg		2	70 - 130	108	35
Ethylbenzene	<0.00202	U F1 F2	0.0996	0.002969	F1 F2	mg/Kg		3	70 - 130	94	35
m-Xylene & p-Xylene	<0.00403	U F1 F2	0.199	0.006455	F1 F2	mg/Kg		3	70 - 130	86	35
o-Xylene	<0.00202	U *+ F1	0.0996	0.004802	F1 F2	mg/Kg		5	70 - 130	102	35
		F2									

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	82		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

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

Lab Sample ID: MB 880-35819/1-A

Matrix: Solid

Analysis Batch: 35738

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 35819

мв мв

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		09/30/22 14:01	09/30/22 19:10	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		09/30/22 14:01	09/30/22 19:10	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		09/30/22 14:01	09/30/22 19:10	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	09/30/22 14:01	09/30/22 19:10	1
o-Terphenyl	116		70 - 130	09/30/22 14:01	09/30/22 19:10	1

Lab Sample ID: LCS 880-35819/2-A

Matrix: Solid

Analysis Batch: 35738

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

Prep Batch: 35819

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1130		mg/Kg		113	70 - 130	

(GRO)-C6-C10

Job ID: 890-3106-1 Client: Ensolum Project/Site: NASH UNIT 36 SDG: 03E1558117

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

Lab Sample ID: LCS 880-35819/2-A Client Sample ID: Lab Control Sample **Matrix: Solid** Prep Type: Total/NA Analysis Batch: 35738 Prep Batch: 35819

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Diesel Range Organics (Over	1000	983.8		mg/Kg		98	70 - 130	
C10 C28)								

C10-C28)

o-Terphenyl

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	106		70 - 130
o-Terphenyl	110		70 - 130

Lab Sample ID: LCSD 880-35819/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid Prep Type: Total/NA Analysis Batch: 35738 Prep Batch: 35819

Spike LCSD LCSD %Rec RPD Result Qualifier Limit Analyte Added Unit D %Rec Limits RPD 1000 805.1 *1 81 70 - 130 Gasoline Range Organics mg/Kg 34 20 (GRO)-C6-C10 Diesel Range Organics (Over 1000 871.5 mg/Kg 87 70 - 130 12 20 C10-C28)

LCSD LCSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane 94 70 - 130 o-Terphenyl 98 70 - 130

Lab Sample ID: 890-3104-A-1-B MS Client Sample ID: Matrix Spike Prep Type: Total/NA

Matrix: Solid

61 S1-

Prep Batch: 35819 **Analysis Batch: 35738** Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits

<50.0 U *1 Gasoline Range Organics 998 887.3 mg/Kg 87 70 - 130 (GRO)-C6-C10 563 F1 998 954.4 F1 39 70 - 130 Diesel Range Organics (Over mg/Kg C10-C28)

70 - 130

MS MS %Recovery Qualifier Surrogate Limits 1-Chlorooctane 69 S1 70 - 130

Lab Sample ID: 890-3104-A-1-C MSD Client Sample ID: Matrix Spike Duplicate **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 35738

Prep Batch: 35819 Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added RPD Limit Result Qualifier Unit D %Rec Limits Gasoline Range Organics <50.0 U *1 999 976.8 mg/Kg 96 70 - 130 10 20 (GRO)-C6-C10 563 F1 999 983.3 F1 42 70 - 130 3 20 mg/Kg

Diesel Range Organics (Over C10-C28) MSD MSD %Recovery Qualifier Limits Surrogate 70 - 130 1-Chlorooctane 71 61 S1-70 - 130 o-Terphenyl

Job ID: 890-3106-1

Client: Ensolum Project/Site: NASH UNIT 36

SDG: 03E1558117

Client Sample ID: Method Blank

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-36006/1-A

Matrix: Solid

Analysis Batch: 36264

Analyte

Chloride

Prep Type: Soluble

 MB
 MB

 Result
 Qualifier
 RL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 <5.00</td>
 U
 5.00
 mg/Kg
 10/06/22 11:38
 1

Lab Sample ID: LCS 880-36006/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 36264

Spike LCS LCS %Rec Added %Rec Analyte Result Qualifier Unit D Limits Chloride 250 241.3 mg/Kg 97 90 - 110

Lab Sample ID: LCSD 880-36006/3-A

Client Sample ID: Lab Control Sample Dup
Matrix: Solid

Prep Type: Soluble

Analysis Batch: 36264

LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 258.0 mg/Kg 103 90 - 110

Lab Sample ID: 880-19869-A-1-B MS

Client Sample ID: Matrix Spike

Matrix: Solid

Prep Type: Soluble

matrix. Cond

Analysis Batch: 36264

MS MS Sample Sample Spike %Rec Analyte Result Qualifier Added %Rec Result Qualifier Unit Limits Chloride 840 F1 250 1090 100 90 - 110 mg/Kg

Lab Sample ID: 880-19869-A-1-C MSD

Matrix: Solid

Analysis Batch: 36264

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit 840 F1 250 1025 F1 Chloride mg/Kg 74 90 - 110 6 20

QC Association Summary

 Client: Ensolum
 Job ID: 890-3106-1

 Project/Site: NASH UNIT 36
 SDG: 03E1558117

GC VOA

Prep Batch: 36450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3106-1	SS01	Total/NA	Solid	5035	
890-3106-2	SS02	Total/NA	Solid	5035	
890-3106-3	SS03	Total/NA	Solid	5035	
890-3106-4	SS04	Total/NA	Solid	5035	
890-3106-5	SS05	Total/NA	Solid	5035	
MB 880-36450/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-36450/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-36450/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3105-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
890-3105-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 36624

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3106-1	SS01	Total/NA	Solid	8021B	36450
890-3106-2	SS02	Total/NA	Solid	8021B	36450
890-3106-3	SS03	Total/NA	Solid	8021B	36450
890-3106-4	SS04	Total/NA	Solid	8021B	36450
890-3106-5	SS05	Total/NA	Solid	8021B	36450
MB 880-36450/5-A	Method Blank	Total/NA	Solid	8021B	36450
LCS 880-36450/1-A	Lab Control Sample	Total/NA	Solid	8021B	36450
LCSD 880-36450/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	36450
890-3105-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	36450
890-3105-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	36450

Analysis Batch: 36692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3106-1	SS01	Total/NA	Solid	Total BTEX	
890-3106-2	SS02	Total/NA	Solid	Total BTEX	
890-3106-3	SS03	Total/NA	Solid	Total BTEX	
890-3106-4	SS04	Total/NA	Solid	Total BTEX	
890-3106-5	SS05	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 35738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3106-1	SS01	Total/NA	Solid	8015B NM	35819
890-3106-2	SS02	Total/NA	Solid	8015B NM	35819
890-3106-3	SS03	Total/NA	Solid	8015B NM	35819
890-3106-4	SS04	Total/NA	Solid	8015B NM	35819
890-3106-5	SS05	Total/NA	Solid	8015B NM	35819
MB 880-35819/1-A	Method Blank	Total/NA	Solid	8015B NM	35819
LCS 880-35819/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	35819
LCSD 880-35819/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	35819
890-3104-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	35819
890-3104-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	35819

Prep Batch: 35819

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3106-1	SS01	Total/NA	Solid	8015NM Prep	
890-3106-2	SS02	Total/NA	Solid	8015NM Prep	

QC Association Summary

 Client: Ensolum
 Job ID: 890-3106-1

 Project/Site: NASH UNIT 36
 SDG: 03E1558117

GC Semi VOA (Continued)

Prep Batch: 35819 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3106-3	SS03	Total/NA	Solid	8015NM Prep	
890-3106-4	SS04	Total/NA	Solid	8015NM Prep	
890-3106-5	SS05	Total/NA	Solid	8015NM Prep	
MB 880-35819/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-35819/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-35819/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3104-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-3104-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 35983

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3106-1	SS01	Total/NA	Solid	8015 NM	
890-3106-2	SS02	Total/NA	Solid	8015 NM	
890-3106-3	SS03	Total/NA	Solid	8015 NM	
890-3106-4	SS04	Total/NA	Solid	8015 NM	
890-3106-5	SS05	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 36006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3106-1	SS01	Soluble	Solid	DI Leach	
890-3106-2	SS02	Soluble	Solid	DI Leach	
890-3106-3	SS03	Soluble	Solid	DI Leach	
890-3106-4	SS04	Soluble	Solid	DI Leach	
890-3106-5	SS05	Soluble	Solid	DI Leach	
MB 880-36006/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-36006/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-36006/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-19869-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-19869-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 36264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3106-1	SS01	Soluble	Solid	300.0	36006
890-3106-2	SS02	Soluble	Solid	300.0	36006
890-3106-3	SS03	Soluble	Solid	300.0	36006
890-3106-4	SS04	Soluble	Solid	300.0	36006
890-3106-5	SS05	Soluble	Solid	300.0	36006
MB 880-36006/1-A	Method Blank	Soluble	Solid	300.0	36006
LCS 880-36006/2-A	Lab Control Sample	Soluble	Solid	300.0	36006
LCSD 880-36006/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	36006
880-19869-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	36006
880-19869-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	36006

Eurofins Carlsbad

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Job ID: 890-3106-1

Client: Ensolum Project/Site: NASH UNIT 36 SDG: 03E1558117

Client Sample ID: SS01 Lab Sample ID: 890-3106-1 Date Collected: 09/28/22 14:00

Matrix: Solid

Date Received: 09/29/22 08:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	36450	10/08/22 13:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36624	10/11/22 14:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			36692	10/11/22 15:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			35983	10/03/22 11:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	35819	09/30/22 14:01	DM	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	35738	10/01/22 03:02	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	36006	10/03/22 14:32	KS	EET MID
Soluble	Analysis	300.0		1			36264	10/06/22 12:25	CH	EET MID

Client Sample ID: SS02 Lab Sample ID: 890-3106-2

Date Collected: 09/28/22 14:05 Matrix: Solid

Date Received: 09/29/22 08:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	36450	10/08/22 13:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36624	10/11/22 15:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			36692	10/11/22 15:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			35983	10/03/22 11:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	35819	09/30/22 14:01	DM	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	35738	10/01/22 03:24	SM	EET MIC
Soluble	Leach	DI Leach			4.95 g	50 mL	36006	10/03/22 14:32	KS	EET MIC
Soluble	Analysis	300.0		1			36264	10/06/22 12:31	CH	EET MID

Client Sample ID: SS03 Lab Sample ID: 890-3106-3 Date Collected: 09/28/22 14:15

Date Received: 09/29/22 08:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	36450	10/08/22 13:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36624	10/11/22 15:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			36692	10/11/22 15:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			35983	10/03/22 11:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	35819	09/30/22 14:01	DM	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	35738	10/01/22 03:45	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	36006	10/03/22 14:32	KS	EET MID
Soluble	Analysis	300.0		1			36264	10/06/22 12:48	CH	EET MID

Client Sample ID: SS04 Lab Sample ID: 890-3106-4

Date Collected: 09/28/22 14:20 Date Received: 09/29/22 08:35

	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	36450	10/08/22 13:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36624	10/11/22 16:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			36692	10/11/22 15:00	SM	EET MID

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Matrix: Solid

Matrix: Solid

Client: Ensolum Job ID: 890-3106-1 Project/Site: NASH UNIT 36 SDG: 03E1558117

Client Sample ID: SS04 Lab Sample ID: 890-3106-4

Matrix: Solid

Date Collected: 09/28/22 14:20 Date Received: 09/29/22 08:35

	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			35983	10/03/22 11:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	35819	09/30/22 14:01	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35738	10/01/22 02:41	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	36006	10/03/22 14:32	KS	EET MID
Soluble	Analysis	300.0		1			36264	10/06/22 12:54	CH	EET MID

Client Sample ID: SS05 Lab Sample ID: 890-3106-5

Date Collected: 09/28/22 14:25 Matrix: Solid

Date Received: 09/29/22 08:35

	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	36450	10/08/22 13:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36624	10/11/22 16:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			36692	10/11/22 15:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			35983	10/03/22 11:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	35819	09/30/22 14:01	DM	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	35738	10/01/22 04:07	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	36006	10/03/22 14:32	KS	EET MID
Soluble	Analysis	300.0		1			36264	10/06/22 13:00	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum Job ID: 890-3106-1 Project/Site: NASH UNIT 36 SDG: 03E1558117

Laboratory: Eurofins Midland

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

uthority		ogram	Identification Number	Expiration Date	
Texas	NI	ELAP	T104704400-22-24	06-30-23	
The following analytes are included in this report, but the agency does not offer certification.			11 0 1 0 1 THE P. C.		
0 ,	. ,	ut the laboratory is not certili	ed by the governing authority. I his list ma	ay include analytes for	
0 ,	. ,	It the laboratory is not certilion Matrix	ed by the governing authority. This list ma Analyte	ay include analytes for	
the agency does not of	fer certification.	•	, , ,	ay include analytes for	

Method Summary

Job ID: 890-3106-1 Client: Ensolum Project/Site: NASH UNIT 36

SDG: 03E1558117

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

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Ensolum

Project/Site: NASH UNIT 36

Job ID: 890-3106-1

SDG: 03E1558117

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-3106-1	SS01	Solid	09/28/22 14:00	09/29/22 08:35	0.5
890-3106-2	SS02	Solid	09/28/22 14:05	09/29/22 08:35	0.5
890-3106-3	SS03	Solid	09/28/22 14:15	09/29/22 08:35	0.5
890-3106-4	SS04	Solid	09/28/22 14:20	09/29/22 08:35	0.5
890-3106-5	SS05	Solid	09/28/22 14:25	09/29/22 08:35	0.5

Chain of Custody

the lab	TAT sta	Due Date:	✓ Routine		m						Testing
the lab, if received by 4:30pm	TAT starts the day received by	ate:	tine Rush	Turn Around	Email. Garrett.Green@ExxonMobil.com	City, State ZIP:	Address:	Company Name:	Bill to: (if different)	Hobbs	Houst Midland,
rs			Pres.	ANALYSIS REQUEST	@ExxonMobil.com	Carlsbad, NM 88220	3104 E. Green St.	XTO Energy) Garrett Green	EL Paso, IX (915) 585-5443, Lubbock, IX (905) 794-1295 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
H ₂ SC	HCL	Cool	None		Deliverables: EDD ADaPT	Reporting: Level II Level III PST/UST TRRP	State of Project:	Program: UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ S	Work Order Comr	www.xenco.com P	Work Order No:
04: H ₂ NaOH: Na	: HC HNO ₃ : HN	I: Cool MeOH: Me	e: NO DI Water: H ₂ O	Preservative Codes	Other:	T TRRP Level IV		ls ☐ RRC ☐ Superfund ☐	ments	Page of /	
H ₂ SO ₄ : H ₂ NaOH: Na	HCL: HC HNO3: HN	Cool: Cool MeOH: Me	None: NO DI Water: H ₂ O	Preservative Codes	ADaPT 🗆			· ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	Work Order Comments	www.xenco.com Page of /	ork Order No:

City, State ZIP:

303-887-2946

Samples Received Intact: SAMPLE RECEIPT

Yes No

Correction Factor: Thermometer ID:

Temperature Reading: Corrected Temperature:

CHLORIDES (EPA: 300.0)

890-3106 Chain of Custody

(Yes) No

Wet Ice:

Sowia L

Parameters

Cooler Custody Seals:

ample Custody Seals:

Yes No Yes No NIA

Sample Identification

Matrix

Date Sampled

Sampled

Time

Depth

Grab/

TPH (8015) BTEX (8021

Comp

Cont # of

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9/28/2022 9/28/2022

14:05

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14:00

14:15

grab/ grab/ grab/

grab/

AFE:

nAPP2224236187

Incident ID:

Cost Center:

1137151001

SS04 SS03 SS02 SS01

9/28/2022

14:20 14:25

Ġ ĊΣ ίσ<u>ī</u> ĊΣ Ωī Sampler's Name:

Connor Whitman

roject Location:

Project Number

roject Name:

Nash Unit 36 03E1558117

Company Name:

3122 National Parks Hwy Carlsbad, NM 88220

Tacoma Morrissey

Xenco Environmen

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 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. Received by: (Signature) Received by: (Signature) Date/Time Relinquished by: (Signature) Received by: (Signature) Date/Time					
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ce. 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 avice. 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 it such losses are due to circumstances beyond the control urofins 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.	Date/Time	Received by: (Signature)	me Relinquished by: (Signature)		Relinquished by: (Gignature) Rece
ce: 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		forced unless previously negotiated.	to Eurofins Xenco, but not analyzed. These terms will be enf	each project and a charge of \$5 for each sample submitte	Eurofins Xenco. A minimum charge of \$85.00 will be applied to a
Section 1 and 1 an		rcumstances beyond the control	r expenses incurred by the client if such losses are due to cir	se and shall not assume any responsibility for any losses of	de: Signature of this document and remiquentient of sample
		standard terms and conditions	Eurofins Xenco, its affiliates and subcontractors. It assigns s	constitutes a valid purchase order from client company to	ion Circuit of this document and pelloquishment of samples
	011000000000000000000000000000000000000		ONUNA INTENTI IERAS II AI OU AS DE DE DE CA CE DI CO COI DE DES MIS MIS MIS MESTE CONTRA LA CONT	ORCEAN ISPENI TEXAS IT AT OF AS A	10tal 200.//6010 200.6/6020:

NaOH+Ascorbic Acid: SAPC

Sample Comments

Zn Acetate+NaOH: Zn

Na2S2O3: NaSO3 NaHSO₄: NABIS H3PO4: HP

Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-3106-1 SDG Number: 03E1558117

Login Number: 3106 List Source: Eurofins Carlsbad

List Number: 1 Creator: Clifton, Cloe

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

Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-3106-1 SDG Number: 03E1558117

Login Number: 3106 **List Source: Eurofins Midland** List Number: 2 List Creation: 09/30/22 10:28 AM

Creator: Rodriguez, Leticia

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

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Kalei Jennings Ensolum 705 W. Wadley Suite 210 Midland Texas 79701

Generated 11/21/2022 5:28:44 PM

JOB DESCRIPTION

Nash 36 SDG NUMBER 03E1558117

JOB NUMBER

890-3426-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220



Client: Ensolum
Project/Site: Nash 36
Laboratory Job ID: 890-3426-1
SDG: 03E1558117

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Definitions/Glossary

Job ID: 890-3426-1 Client: Ensolum Project/Site: Nash 36 SDG: 03E1558117

Qualifiers

GC VOA	
Qualifier	
•	

Qualifier Description LCS and/or LCSD is outside acceptance limits, low biased.

*1 LCS/LCSD RPD exceeds control limits. F1

MS and/or MSD recovery exceeds control limits. MS/MSD RPD exceeds control limits F2

S1-Surrogate recovery exceeds control limits, low biased. Surrogate recovery exceeds control limits, high biased. S1+ Indicates the analyte was analyzed for but not detected.

U

GC Semi	i VO
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Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.

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

F1 MS and/or MSD recovery exceeds control limits. 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 regult is reported an a dry weight

%R Percent Recovery

CFL Contains Free Liquid CFU Colony Forming Unit CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dilution Factor Dil Fac

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)

Estimated Detection Limit (Dioxin) **EDL** 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 MLMinimum Level (Dioxin) MPN Most Probable Number MQL Method Quantitation Limit

NC Not Calculated

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

NEG Negative / Absent 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)

Definitions/Glossary

 Client: Ensolum
 Job ID: 890-3426-1

 Project/Site: Nash 36
 SDG: 03E1558117

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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Case Narrative

 Client: Ensolum
 Job ID: 890-3426-1

 Project/Site: Nash 36
 SDG: 03E1558117

Job ID: 890-3426-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-3426-1

Receipt

The samples were received on 11/10/2022 1:33 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 4.0°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: FS01 (890-3426-1), FS02 (890-3426-2), FS03 (890-3426-3), FS04 (890-3426-4), FS05 (890-3426-5), FS06 (890-3426-6), FS07 (890-3426-7), FS08 (890-3426-8), FS09 (890-3426-9), FS10 (890-3426-10), FS11 (890-3426-11), FS12 (890-3426-12), FS13 (890-3426-13), FS14 (890-3426-14), FS15 (890-3426-15), FS16 (890-3426-16), FS17 (890-3426-17), FS18 (890-3426-18), FS19 (890-3426-19), FS20 (890-3426-20), FS21 (890-3426-21), FS22 (890-3426-22), FS23 (890-3426-23), FS24 (890-3426-24), FS25 (890-3426-25), FS26 (890-3426-26), FS27 (890-3426-27), FS28 (890-3426-28), FS29 (890-3426-29), FS30 (890-3426-30), FS31 (890-3426-31), FS32 (890-3426-32), FS33 (890-3426-33), FS34 (890-3426-34), FS35 (890-3426-35), FS36 (890-3426-36), FS37 (890-3426-37), FS38 (890-3426-38), FS39 (890-3426-39), FS40 (890-3426-40), FS41 (890-3426-41), FS42 (890-3426-42), FS43 (890-3426-43), FS44 (890-3426-44), FS45 (890-3426-45), FS46 (890-3426-46), FS47 (890-3426-47) and FS48 (890-3426-48).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-39650 and analytical batch 880-39617 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.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-39649 and analytical batch 880-39665 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (890-3426-A-21-G MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: FS15 (890-3426-15), FS16 (890-3426-16) and FS17 (890-3426-17). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: FS20 (890-3426-20). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-39922 and analytical batch 880-39930 was outside the upper control limits.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-39696 and analytical batch 880-39930 was outside the upper control limits.

Method 8021B: The method blank for preparation batch 880-39922 and analytical batch 880-39930 contained m-Xylene & p-Xylene 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 8021B: The matrix spike (MS) recoveries for preparation batch 880-39696 and analytical batch 880-39930 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: LCS biased low. Since only an acceptable LCS or LCSD is required per the method, the data has been qualified and reported.(LCS 880-39696/1-A)

Method 8021B: The method blank for preparation batch 880-39696 and analytical batch 880-39930 contained m-Xylene & p-Xylene above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or

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Case Narrative

 Client: Ensolum
 Job ID: 890-3426-1

 Project/Site: Nash 36
 SDG: 03E1558117

Job ID: 890-3426-1 (Continued)

Laboratory: Eurofins Carlsbad (Continued)

re-analysis of samples was not performed.

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: (LCSD 880-39418/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: FS45 (890-3426-45). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: FS48 (890-3426-48). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-39418 and analytical batch 880-39385 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-39456 and analytical batch 880-39571 was outside control limits. Sample non-homogeneity is suspected.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-39457/3-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-39446 and analytical batch 880-39633 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

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Matrix: Solid

Lab Sample ID: 890-3426-1

Client Sample Results

 Client: Ensolum
 Job ID: 890-3426-1

 Project/Site: Nash 36
 SDG: 03E1558117

Client Sample ID: FS01

Date Collected: 11/07/22 09:00 Date Received: 11/10/22 13:33

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:34	11/16/22 12:34	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:34	11/16/22 12:34	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:34	11/16/22 12:34	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		11/15/22 16:34	11/16/22 12:34	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:34	11/16/22 12:34	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		11/15/22 16:34	11/16/22 12:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130			11/15/22 16:34	11/16/22 12:34	1
1,4-Difluorobenzene (Surr)	92		70 - 130			11/15/22 16:34	11/16/22 12:34	1
Method: TAL SOP Total BTEX -	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			11/16/22 15:31	1
Mathada OMO40 0045 NM Diag	-I Dames Orman	: (DDO) (20)					
Method: SW846 8015 NM - Diese Analyte		Qualifier	•		_			
			DI DI	Unit	ח	Dronarod	Analyzod	Dil Fac
			RL 50.0	Unit mg/Kg	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0		50.0	<mark>Unit</mark> mg/Kg	<u>D</u>	Prepared	Analyzed 11/16/22 09:54	Dil Fac
· · · · · · · · · · · · · · · · · · ·	<50.0	U	50.0		<u>D</u>	Prepared		
Total TPH	<50.0	U	50.0		D	Prepared Prepared		
Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics	<50.0	nics (DRO) Qualifier	50.0 (GC)	mg/Kg	-		11/16/22 09:54	1
Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<50.0 sel Range Orga Result	Unics (DRO) Qualifier U F2	50.0 (GC)	mg/Kg	-	Prepared	11/16/22 09:54 Analyzed	Dil Fac
Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10	<50.0 sel Range Orga Result <50.0	Onics (DRO) Qualifier U F2	(GC) RL 50.0	mg/Kg Unit mg/Kg	-	Prepared 11/14/22 12:06	11/16/22 09:54 Analyzed 11/15/22 11:17	Dil Fac
Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<50.0 sel Range Orga Result <50.0 <50.0	Onics (DRO) Qualifier U F2 U	50.0 (GC) RL 50.0 50.0	mg/Kg Unit mg/Kg mg/Kg	-	Prepared 11/14/22 12:06 11/14/22 12:06	11/16/22 09:54 Analyzed 11/15/22 11:17 11/15/22 11:17	1 Dil Fac
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)	<50.0 sel Range Orga Result <50.0 <50.0 <50.0	Onics (DRO) Qualifier U F2 U	50.0 (GC) RL 50.0 50.0 50.0	mg/Kg Unit mg/Kg mg/Kg	-	Prepared 11/14/22 12:06 11/14/22 12:06 11/14/22 12:06	Analyzed 11/15/22 11:17 11/15/22 11:17	Dil Fac 1 1 Dil Fac
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	<50.0 sel Range Orga Result <50.0 <50.0 <50.0 %Recovery	Onics (DRO) Qualifier U F2 U	50.0 (GC) RL 50.0 50.0 50.0 Limits	mg/Kg Unit mg/Kg mg/Kg	-	Prepared 11/14/22 12:06 11/14/22 12:06 11/14/22 12:06 Prepared	Analyzed 11/15/22 11:17 11/15/22 11:17 11/15/22 11:17 Analyzed	Dil Fac
Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	<50.0 sel Range Orga Result <50.0 <50.0 <50.0 %Recovery 114 108	Onics (DRO) Qualifier U F2 U Qualifier	50.0 (GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg	-	Prepared 11/14/22 12:06 11/14/22 12:06 11/14/22 12:06 Prepared 11/14/22 12:06	Analyzed 11/15/22 11:17 11/15/22 11:17 11/15/22 11:17 Analyzed 11/15/22 11:17	1 Dil Fac 1 1
Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	<50.0 sel Range Orga Result <50.0 <50.0 <50.0 <50.0 *Recovery 114 108 s, Ion Chromato	Onics (DRO) Qualifier U F2 U Qualifier	50.0 (GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg	-	Prepared 11/14/22 12:06 11/14/22 12:06 11/14/22 12:06 Prepared 11/14/22 12:06	Analyzed 11/15/22 11:17 11/15/22 11:17 11/15/22 11:17 Analyzed 11/15/22 11:17	1 Dil Fac 1 1 1 1 Dil Fac 1 1

Client Sample ID: FS02

Date Collected: 11/07/22 09:45 Date Received: 11/10/22 13:33

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/15/22 16:34	11/16/22 13:00	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/15/22 16:34	11/16/22 13:00	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/15/22 16:34	11/16/22 13:00	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		11/15/22 16:34	11/16/22 13:00	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/15/22 16:34	11/16/22 13:00	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/15/22 16:34	11/16/22 13:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			11/15/22 16:34	11/16/22 13:00	1

Eurofins Carlsbad

Matrix: Solid

Lab Sample ID: 890-3426-2

Job ID: 890-3426-1

SDG: 03E1558117

Matrix: Solid

Lab Sample ID: 890-3426-2

Client Sample ID: FS02

Date Collected: 11/07/22 09:45 Date Received: 11/10/22 13:33

Sample Depth: 0.5'

Client: Ensolum

Project/Site: Nash 36

Method: SW846 8021B	 Volatile Organic Comp 	pounds (GC) (Continued)

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	85	70 - 130	11/15/22 16:34	11/16/22 13:00	1

Analyte	Result Qual		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398 U	0.00398	ma/Ka			11/16/22 15:31	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			11/16/22 09:54	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		11/14/22 12:06	11/15/22 12:22	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		11/14/22 12:06	11/15/22 12:22	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		11/14/22 12:06	11/15/22 12:22	1
0	0/ 0	O!!#:	1 : : 4			D	A I	D# 5

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112	70 - 130	11/14/22 12:06	11/15/22 12:22	1
o-Terphenyl	107	70 - 130	11/14/22 12:06	11/15/22 12:22	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2160	49.6	mg/Kg			11/15/22 15:52	10

Client Sample ID: FS03 Lab Sample ID: 890-3426-3

Date Collected: 11/07/22 10:45 Date Received: 11/10/22 13:33

Sample Depth: 0.5'

ı	Method: SW846 8021B	Maladila Ossasia	O = ==== d= (OO)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:34	11/16/22 13:27	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:34	11/16/22 13:27	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:34	11/16/22 13:27	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		11/15/22 16:34	11/16/22 13:27	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:34	11/16/22 13:27	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		11/15/22 16:34	11/16/22 13:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130			11/15/22 16:34	11/16/22 13:27	1
1,4-Difluorobenzene (Surr)	92		70 - 130			11/15/22 16:34	11/16/22 13:27	1

Mothod: TAI	SOP Total RTFY	- Total RTFY	Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00399	U	0.00399	ma/Ka			11/16/22 15:31	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/16/22 09:54	1

Eurofins Carlsbad

Matrix: Solid

Matrix: Solid

Matrix: Solid

Lab Sample ID: 890-3426-3

Job ID: 890-3426-1

Client: Ensolum Project/Site: Nash 36 SDG: 03E1558117

Client Sample ID: FS03

Date Collected: 11/07/22 10:45 Date Received: 11/10/22 13:33

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		11/14/22 12:06	11/15/22 12:44	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		11/14/22 12:06	11/15/22 12:44	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/14/22 12:06	11/15/22 12:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130			11/14/22 12:06	11/15/22 12:44	1
o-Terphenyl	100		70 - 130			11/14/22 12:06	11/15/22 12:44	1
Method: MCAWW 300.0 - Anions	Ion Chromato	graphy - Se	oluble					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Chloride 4.99 11/15/22 15:57 304 mg/Kg **Client Sample ID: FS04** Lab Sample ID: 890-3426-4

Date Collected: 11/07/22 10:50 Date Received: 11/10/22 13:33

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/15/22 16:34	11/16/22 13:53	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/15/22 16:34	11/16/22 13:53	1
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		11/15/22 16:34	11/16/22 13:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		11/15/22 16:34	11/16/22 13:53	1
o-Xylene	< 0.00199	U	0.00199	mg/Kg		11/15/22 16:34	11/16/22 13:53	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/15/22 16:34	11/16/22 13:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130			11/15/22 16:34	11/16/22 13:53	1
1,4-Difluorobenzene (Surr)	89		70 - 130			11/15/22 16:34	11/16/22 13:53	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/16/22 15:31	
IOIAI DT LX			0.00000	1119/119			,,	•
• •				mg/rtg			11,10,22 10.01	
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)				.,,,,==	·
• •	el Range Organ Result	ics (DRO) (GC)	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
: Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)		<u>D</u>	Prepared		Dil Fac
Method: SW846 8015 NM - Diese Analyte	Result <50.0	ics (DRO) (Gualifier	RL 50.0	Unit	<u>D</u>	Prepared	Analyzed	
Method: SW846 8015 NM - Diese Analyte Total TPH	el Range Organ Result <50.0 sel Range Organ	ics (DRO) (Gualifier	RL 50.0	Unit	<u>D</u>	Prepared Prepared	Analyzed	
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies	el Range Organ Result <50.0 sel Range Organ	ics (DRO) (Qualifier U nics (DRO) Qualifier	GC) RL 50.0	Unit mg/Kg			Analyzed 11/16/22 09:54	1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies Analyte	el Range Organ Result <50.0 sel Range Orga Result	ics (DRO) (Qualifier U nics (DRO) Qualifier	GC) RL 50.0 (GC) RL	Unit mg/Kg		Prepared	Analyzed 11/16/22 09:54 Analyzed	1 Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	el Range Organ Result <50.0 sel Range Orga Result	ics (DRO) ((Qualifier U nics (DRO) Qualifier U	GC) RL 50.0 (GC) RL	Unit mg/Kg		Prepared	Analyzed 11/16/22 09:54 Analyzed	1 Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	el Range Organ Result <50.0 sel Range Orga Result <50.0 <50.0	ics (DRO) ((Qualifier U nics (DRO) Qualifier U	GC) RL 50.0 (GC) RL 50.0 50.0	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 11/14/22 12:06 11/14/22 12:06	Analyzed 11/16/22 09:54 Analyzed 11/15/22 13:05 11/15/22 13:05	1 Dil Fac 1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	el Range Organ Result <50.0 sel Range Orga Result <50.0	ics (DRO) ((Qualifier U nics (DRO) Qualifier U	GC) RL 50.0 (GC) RL 50.0	Unit mg/Kg Unit mg/Kg		Prepared 11/14/22 12:06	Analyzed 11/16/22 09:54 Analyzed 11/15/22 13:05	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	el Range Organ Result <50.0 sel Range Orga Result <50.0 <50.0 <50.0 %Recovery	ics (DRO) ((Qualifier U nics (DRO) Qualifier U U	GC) RL 50.0 (GC) RL 50.0 50.0 50.0 Limits	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 11/14/22 12:06 11/14/22 12:06 11/14/22 12:06 Prepared	Analyzed 11/16/22 09:54 Analyzed 11/15/22 13:05 11/15/22 13:05 Analyzed	1 Dil Fac 1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	el Range Organ Result <50.0 sel Range Orga Result <50.0 <50.0 <50.0	ics (DRO) ((Qualifier U nics (DRO) Qualifier U U	GC) RL 50.0 (GC) RL 50.0 50.0 50.0	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 11/14/22 12:06 11/14/22 12:06 11/14/22 12:06	Analyzed 11/16/22 09:54 Analyzed 11/15/22 13:05 11/15/22 13:05	Dil Fac 1 1 1

Job ID: 890-3426-1

SDG: 03E1558117

Client Sample ID: FS04

Lab Sample ID: 890-3426-4

Matrix: Solid

Date Collected: 11/07/22 10:50 Date Received: 11/10/22 13:33

Sample Depth: 0.5'

Client: Ensolum

Project/Site: Nash 36

١	Method: MCAWW 300.0 - Anions, Id	on Chromato	graphy - Sol	uble					
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	337		5.01	mg/Kg			11/16/22 13:44	1

Client Sample ID: FS05 Lab Sample ID: 890-3426-5 **Matrix: Solid**

Date Collected: 11/07/22 11:55 Date Received: 11/10/22 13:33

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/15/22 16:34	11/16/22 14:19	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/15/22 16:34	11/16/22 14:19	1
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		11/15/22 16:34	11/16/22 14:19	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		11/15/22 16:34	11/16/22 14:19	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/15/22 16:34	11/16/22 14:19	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/15/22 16:34	11/16/22 14:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			11/15/22 16:34	11/16/22 14:19	1
1,4-Difluorobenzene (Surr)	84		70 - 130			11/15/22 16:34	11/16/22 14:19	1
•								
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)					
Method: SW846 8015 NM - Diese Analyte	•	ics (DRO) ((GC)	Unit	D	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH	•	Qualifier	•	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 11/16/22 09:54	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies	Result <50.0	Qualifier U	RL 50.0	mg/Kg	<u>D</u>	Prepared		1
Analyte Total TPH	Result <50.0	Qualifier U	RL 50.0		<u>D</u>	Prepared Prepared		
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	Result <50.0	Qualifier Unics (DRO) Qualifier	RL 50.0	mg/Kg			11/16/22 09:54	1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.0 sel Range Orga Result	Qualifier U nics (DRO) Qualifier U	RL	mg/Kg		Prepared	11/16/22 09:54 Analyzed	1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.0 sel Range Orga Result <50.0	Qualifier U nics (DRO) Qualifier U	RL 50.0 (GC) RL 50.0	mg/Kg Unit mg/Kg		Prepared 11/14/22 12:06	11/16/22 09:54 Analyzed 11/15/22 13:26	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10	Result <50.0 sel Range Orga Result <50.0	Qualifier U nics (DRO) Qualifier U	RL 50.0 (GC) RL 50.0	mg/Kg Unit mg/Kg		Prepared 11/14/22 12:06	11/16/22 09:54 Analyzed 11/15/22 13:26	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result	Qualifier U nics (DRO) Qualifier U U	RL 50.0 (GC) RL 50.0 50.0	mg/Kg Unit mg/Kg mg/Kg		Prepared 11/14/22 12:06 11/14/22 12:06	11/16/22 09:54 Analyzed 11/15/22 13:26 11/15/22 13:26	1 Dil Fac 1

70 - 130

RL

5.04

Unit

mg/Kg

110

535

Result Qualifier

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

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11/14/22 12:06

Prepared

D

11/15/22 13:26

Analyzed 11/15/22 16:08 Dil Fac

o-Terphenyl

Analyte

Chloride

Matrix: Solid

Lab Sample ID: 890-3426-6

Client Sample Results

Client: Ensolum Job ID: 890-3426-1 Project/Site: Nash 36 SDG: 03E1558117

Client Sample ID: FS06

Date Collected: 11/07/22 12:00 Date Received: 11/10/22 13:33

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:34	11/16/22 14:45	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:34	11/16/22 14:45	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:34	11/16/22 14:45	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		11/15/22 16:34	11/16/22 14:45	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:34	11/16/22 14:45	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		11/15/22 16:34	11/16/22 14:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130			11/15/22 16:34	11/16/22 14:45	1
1,4-Difluorobenzene (Surr)	91		70 - 130			11/15/22 16:34	11/16/22 14:45	1
Method: TAL SOP Total BTEX -	Total BTEX Calo	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			11/16/22 15:31	1
- Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)					
Analyte	•	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/16/22 09:54	1
=								'
Method: SW846 8015B NM - Die	sel Range Orga	nics (DRO)	(GC)					ı
Method: SW846 8015B NM - Die Analyte	• •	nics (DRO) Qualifier	(GC)	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Gasoline Range Organics	• •	Qualifier		Unit mg/Kg	<u>D</u>	Prepared 11/14/22 12:06		
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier U	RL		<u>D</u>		Analyzed	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10	Result <49.9	Qualifier U	RL 49.9	mg/Kg	<u> </u>	11/14/22 12:06	Analyzed 11/15/22 13:48	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9 <49.9	Qualifier U U U	RL 49.9 49.9	mg/Kg	<u>D</u>	11/14/22 12:06 11/14/22 12:06	Analyzed 11/15/22 13:48 11/15/22 13:48	Dil Fac 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.9 <49.9 <49.9	Qualifier U U U	RL 49.9 49.9 49.9	mg/Kg	<u>D</u>	11/14/22 12:06 11/14/22 12:06 11/14/22 12:06	Analyzed 11/15/22 13:48 11/15/22 13:48 11/15/22 13:48	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result <49.9 <49.9 <49.9 <49.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <	Qualifier U U U	RL 49.9 49.9 49.9 <i>Limits</i>	mg/Kg	<u>D</u>	11/14/22 12:06 11/14/22 12:06 11/14/22 12:06 Prepared	Analyzed 11/15/22 13:48 11/15/22 13:48 11/15/22 13:48 Analyzed	Dil Face 1 1 Dil Face
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result	Qualifier U U Qualifier	RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg	<u>D</u>	11/14/22 12:06 11/14/22 12:06 11/14/22 12:06 Prepared 11/14/22 12:06	Analyzed 11/15/22 13:48 11/15/22 13:48 11/15/22 13:48 Analyzed 11/15/22 13:48	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U U Qualifier	RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg	<u>D</u>	11/14/22 12:06 11/14/22 12:06 11/14/22 12:06 Prepared 11/14/22 12:06	Analyzed 11/15/22 13:48 11/15/22 13:48 11/15/22 13:48 Analyzed 11/15/22 13:48	Dil Face 1 1 Dil Face

Client Sample ID: FS07

Date Collected: 11/07/22 12:05

Date Received: 11/10/22 13:33 Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		11/15/22 16:34	11/16/22 15:11	1
Toluene	<0.00202	U	0.00202	mg/Kg		11/15/22 16:34	11/16/22 15:11	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		11/15/22 16:34	11/16/22 15:11	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		11/15/22 16:34	11/16/22 15:11	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		11/15/22 16:34	11/16/22 15:11	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		11/15/22 16:34	11/16/22 15:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130			11/15/22 16:34	11/16/22 15:11	1

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Matrix: Solid

Lab Sample ID: 890-3426-7

Client Sample Results

Client: Ensolum Job ID: 890-3426-1 Project/Site: Nash 36 SDG: 03E1558117

Client Sample ID: FS07 Lab Sample ID: 890-3426-7

Date Collected: 11/07/22 12:05 Matrix: Solid Date Received: 11/10/22 13:33

Sample Depth: 0.5'

Method: SW846 8021B - Vo	olatile Organic Compounds	(GC) (Continued)
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Surrogate	%Recovery Qualified	r Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	106	70 _ 130	11/15/22 16:34	11/16/22 15:11	1

Method: TAL SOP To	tal RTEY - Total I	RTEY Calculation

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404 U	0.00404	mg/Kg			11/16/22 15:31	1

Mathed CMO4C CO4E NM Discal Dance Occasion (DI	201	1001	
Method: SW846 8015 NM - Diesel Range Organics (DI	くしょいし	((36.)	

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/16/22 09:54	1

	Mothod: SW046 904ED NM Diocol Dan	go Organico (DBO) (CC)	v
ı	Method: SW846 8015B NM - Diesel Ran	ge Organics (DRO) (GC)	,

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/14/22 12:06	11/15/22 14:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/14/22 12:06	11/15/22 14:09	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/14/22 12:06	11/15/22 14:09	1
Survey made	0/ Danassams	Ovalifian	Limita			Duamanad	Amalumad	Dil 5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130	11/14/22 12:06	11/15/22 14:09	1
o-Terphenyl	110		70 - 130	11/14/22 12:06	11/15/22 14:09	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1840		24.8	mg/Kg			11/15/22 16:31	5

Client Sample ID: FS08 Lab Sample ID: 890-3426-8

Date Collected: 11/07/22 12:10 Date Received: 11/10/22 13:33

Sample Depth: 0.5'

Method: SW846 8021B -	M-1-4!1- O	0 (00)

Welliou. Swo46 6021B - Volatile	•	• •	,					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/15/22 16:34	11/16/22 15:38	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/15/22 16:34	11/16/22 15:38	1
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		11/15/22 16:34	11/16/22 15:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		11/15/22 16:34	11/16/22 15:38	1
o-Xylene	< 0.00199	U	0.00199	mg/Kg		11/15/22 16:34	11/16/22 15:38	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/15/22 16:34	11/16/22 15:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130			11/15/22 16:34	11/16/22 15:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzea	DII Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	11/15/22 16:34	11/16/22 15:38	1
1,4-Difluorobenzene (Surr)	88		70 - 130	11/15/22 16:34	11/16/22 15:38	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/16/22 16:41	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			11/16/22 09:54	1

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Matrix: Solid

Client: Ensolum Job ID: 890-3426-1 Project/Site: Nash 36 SDG: 03E1558117

Client Sample ID: FS08 Lab Sample ID: 890-3426-8

Date Collected: 11/07/22 12:10 Matrix: Solid Date Received: 11/10/22 13:33

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		11/14/22 12:06	11/15/22 14:31	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		11/14/22 12:06	11/15/22 14:31	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/14/22 12:06	11/15/22 14:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130			11/14/22 12:06	11/15/22 14:31	1
o-Terphenyl	97		70 - 130			11/14/22 12:06	11/15/22 14:31	1
Method: MCAWW 300.0 - Anions	, Ion Chromato	ography - So	oluble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1480		50.0	mg/Kg			11/15/22 16:37	10

Client Sample ID: FS09 Lab Sample ID: 890-3426-9 Matrix: Solid

Date Collected: 11/07/22 12:40 Date Received: 11/10/22 13:33

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:34	11/16/22 16:04	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:34	11/16/22 16:04	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:34	11/16/22 16:04	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		11/15/22 16:34	11/16/22 16:04	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:34	11/16/22 16:04	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		11/15/22 16:34	11/16/22 16:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130			11/15/22 16:34	11/16/22 16:04	1
1,4-Difluorobenzene (Surr)	100		70 - 130			11/15/22 16:34	11/16/22 16:04	1
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			11/16/22 16:41	1
Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/16/22 09:54	1
- Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/14/22 12:06	11/15/22 14:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/14/22 12:06	11/15/22 14:52	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/14/22 12:06	11/15/22 14:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130			11/14/22 12:06	11/15/22 14:52	1

Matrix: Solid

Lab Sample ID: 890-3426-9

Client Sample Results

Client: Ensolum Job ID: 890-3426-1 Project/Site: Nash 36 SDG: 03E1558117

Client Sample ID: FS09

Date Collected: 11/07/22 12:40 Date Received: 11/10/22 13:33

Sample Depth: 0.5'

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble									
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	569		24.9	mg/Kg			11/15/22 16:42	5

Lab Sample ID: 890-3426-10 **Client Sample ID: FS10 Matrix: Solid**

Date Collected: 11/07/22 12:15 Date Received: 11/10/22 13:33

Method: SW846 8021B - Volatile Analyte	•	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00199		0.00199	mg/Kg	_ <u>-</u>	11/15/22 16:34	11/16/22 16:29	
Toluene	< 0.00199	U	0.00199	mg/Kg		11/15/22 16:34	11/16/22 16:29	
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		11/15/22 16:34	11/16/22 16:29	
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		11/15/22 16:34	11/16/22 16:29	
o-Xylene	< 0.00199	U	0.00199	mg/Kg		11/15/22 16:34	11/16/22 16:29	
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/15/22 16:34	11/16/22 16:29	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)			70 - 130			11/15/22 16:34	11/16/22 16:29	
1,4-Difluorobenzene (Surr)	97		70 - 130			11/15/22 16:34	11/16/22 16:29	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/17/22 15:03	
		ics (DRO) (GC)					
Method: SW846 8015 NM - Diese Analyte	el Range Organ	Qualifier	GC) RL 49.9	Unit	<u>D</u>	Prepared	Analyzed 11/16/22 09:54	
Method: SW846 8015 NM - Diese Analyte Total TPH	Range Organ Result <49.9	Qualifier U	RL 49.9	Unit mg/Kg	<u>D</u>	Prepared		
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies	el Range Organ Result <49.9 sel Range Organ	Qualifier U	RL 49.9 (GC)	mg/Kg	_ =		11/16/22 09:54	1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies Analyte	el Range Organ Result <49.9 sel Range Orga Result	Qualifier Unics (DRO) Qualifier	RL 49.9 (GC)	mg/Kg	<u>D</u>	Prepared	11/16/22 09:54 Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	el Range Organ Result <49.9 sel Range Organ	Qualifier Unics (DRO) Qualifier	RL 49.9 (GC)	mg/Kg	_ =		11/16/22 09:54	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10	el Range Organ Result <49.9 sel Range Orga Result	Qualifier U nics (DRO) Qualifier U	RL 49.9 (GC)	mg/Kg	_ =	Prepared	11/16/22 09:54 Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	el Range Organ Result Result Result Result <49.9	Qualifier U nics (DRO) Qualifier U	RL 49.9 (GC) RL 49.9	mg/Kg Unit mg/Kg	_ =	Prepared 11/14/22 12:06	11/16/22 09:54 Analyzed 11/15/22 15:13	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	el Range Organ Result Result Result Result <49.9	Qualifier U nics (DRO) Qualifier U	RL 49.9 (GC) RL 49.9	mg/Kg Unit mg/Kg	_ =	Prepared 11/14/22 12:06	11/16/22 09:54 Analyzed 11/15/22 15:13	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	el Range Organ Result <49.9 sel Range Orga Result <49.9 <49.9	Qualifier U nics (DRO) Qualifier U U	RL 49.9 (GC) RL 49.9 49.9	mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 11/14/22 12:06 11/14/22 12:06	11/16/22 09:54 Analyzed 11/15/22 15:13 11/15/22 15:13	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	el Range Organ Result <49.9 sel Range Orga Result <49.9 <49.9 <49.9	Qualifier U nics (DRO) Qualifier U U	RL 49.9 (GC) RL 49.9 49.9	mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 11/14/22 12:06 11/14/22 12:06 11/14/22 12:06	Analyzed 11/15/22 15:13 11/15/22 15:13 11/15/22 15:13	Dil Face
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	sel Range Organ Result <49.9 sel Range Orga Result <49.9 <49.9 <49.9 %Recovery	Qualifier U nics (DRO) Qualifier U U	RL 49.9 (GC) RL 49.9 49.9 49.9	mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 11/14/22 12:06 11/14/22 12:06 11/14/22 12:06 Prepared	Analyzed 11/15/22 15:13 11/15/22 15:13 11/15/22 15:13 Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	el Range Organ	Qualifier U nics (DRO) Qualifier U U Qualifier	RL 49.9 (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 11/14/22 12:06 11/14/22 12:06 11/14/22 12:06 Prepared 11/14/22 12:06	Analyzed 11/15/22 15:13 11/15/22 15:13 11/15/22 15:13 Analyzed 11/15/22 15:13	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	sel Range Organ Result <49.9 sel Range Orga Result <49.9 <49.9 <49.9 **Recovery 115 107 s, Ion Chromato	Qualifier U nics (DRO) Qualifier U U Qualifier	RL 49.9 (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 11/14/22 12:06 11/14/22 12:06 11/14/22 12:06 Prepared 11/14/22 12:06	Analyzed 11/15/22 15:13 11/15/22 15:13 11/15/22 15:13 Analyzed 11/15/22 15:13	Dil Fac

Matrix: Solid

Lab Sample ID: 890-3426-11

Client Sample Results

 Client: Ensolum
 Job ID: 890-3426-1

 Project/Site: Nash 36
 SDG: 03E1558117

Client Sample ID: FS11

Date Collected: 11/07/22 12:20 Date Received: 11/10/22 13:33

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/15/22 16:34	11/16/22 18:13	1
Toluene	< 0.00199	U	0.00199	mg/Kg		11/15/22 16:34	11/16/22 18:13	1
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		11/15/22 16:34	11/16/22 18:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		11/15/22 16:34	11/16/22 18:13	1
o-Xylene	< 0.00199	U	0.00199	mg/Kg		11/15/22 16:34	11/16/22 18:13	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/15/22 16:34	11/16/22 18:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130			11/15/22 16:34	11/16/22 18:13	1
1,4-Difluorobenzene (Surr)	82		70 - 130			11/15/22 16:34	11/16/22 18:13	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/17/22 15:03	1
Analyte	Result	Qualifier	RL	Unit	D	Prepared	A ll	
						Frepareu	Analyzed	
Total TPH	<49.9	U	49.9	mg/Kg	_ =		11/16/22 09:54	
- -						Frepareu		
: Method: SW846 8015B NM - Dies	sel Range Orga				<u></u>	Prepared		1
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	sel Range Orga	nics (DRO) Qualifier	(GC)	mg/Kg			11/16/22 09:54	1 Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	sel Range Orga Result	nics (DRO) Qualifier	(GC)	mg/Kg		Prepared	11/16/22 09:54 Analyzed	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	sel Range Orga Result <49.9	nics (DRO) Qualifier U	(GC) RL 49.9	mg/Kg Unit mg/Kg		Prepared 11/14/22 12:06	11/16/22 09:54 Analyzed 11/15/22 16:07	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	sel Range Orga Result <49.9	nics (DRO) Qualifier U U	(GC) RL 49.9	mg/Kg Unit mg/Kg mg/Kg		Prepared 11/14/22 12:06	11/16/22 09:54 Analyzed 11/15/22 16:07 11/15/22 16:07	1 Dil Fac
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 <49.9 <49.9	nics (DRO) Qualifier U U	(GC) RL 49.9 49.9 49.9	mg/Kg Unit mg/Kg mg/Kg		Prepared 11/14/22 12:06 11/14/22 12:06 11/14/22 12:06	Analyzed 11/15/22 16:07 11/15/22 16:07	Dil Face 1 1 1 Dil Face
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	sel Range Orga Result <49.9 <49.9 <49.9 %Recovery	nics (DRO) Qualifier U U	(GC) RL 49.9 49.9 49.9 Limits	mg/Kg Unit mg/Kg mg/Kg		Prepared 11/14/22 12:06 11/14/22 12:06 11/14/22 12:06 Prepared	Analyzed 11/15/22 16:07 11/15/22 16:07 11/15/22 16:07 Analyzed	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	sel Range Orga Result <49.9	U Qualifier U Qualifier	RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 11/14/22 12:06 11/14/22 12:06 11/14/22 12:06 Prepared 11/14/22 12:06	Analyzed 11/15/22 16:07 11/15/22 16:07 11/15/22 16:07 Analyzed 11/15/22 16:07	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result	U Qualifier U Qualifier	RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 11/14/22 12:06 11/14/22 12:06 11/14/22 12:06 Prepared 11/14/22 12:06	Analyzed 11/15/22 16:07 11/15/22 16:07 11/15/22 16:07 Analyzed 11/15/22 16:07	Dil Fac Dil Fac 1 Dil Fac 1 Dil Fac Dil Fac Dil Fac

Client Sample ID: FS12

Date Collected: 11/07/22 12:25 Date Received: 11/10/22 13:33

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:34	11/16/22 18:39	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:34	11/16/22 18:39	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:34	11/16/22 18:39	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		11/15/22 16:34	11/16/22 18:39	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:34	11/16/22 18:39	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		11/15/22 16:34	11/16/22 18:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130			11/15/22 16:34	11/16/22 18:39	1

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Matrix: Solid

Lab Sample ID: 890-3426-12

Client Sample Results

Client: Ensolum Job ID: 890-3426-1 Project/Site: Nash 36 SDG: 03E1558117

Client Sample ID: FS12

Lab Sample ID: 890-3426-12 Date Collected: 11/07/22 12:25 Matrix: Solid Date Received: 11/10/22 13:33

Sample Depth: 0.5'

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	107	70 - 130	11/15/22 16:34	11/16/22 18:39	1

Method: TAL SOP Total BTEX - Total BTE	X Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00401	U	0.00401	ma/Ka		·	11/17/22 15:03	1	

ı				
ı	Method: SW846 8015 NM	Discal Dance	0	(DDO) (CC)
ı	Method: 5wo4b bu15 NW	- Diesei Rande	• Organics	(DRU) (GC)

	g. c.gc (=c) (=.						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9 U	49.9	mg/Kg			11/16/22 09:54	1

	Mothod: SW046 904ED NM Diocol Dan	go Organico (DBO) (CC)	v
ı	Method: SW846 8015B NM - Diesel Ran	ge Organics (DRO) (GC)	,

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		11/14/22 12:06	11/15/22 16:28	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		11/14/22 12:06	11/15/22 16:28	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/14/22 12:06	11/15/22 16:28	1
Cumanata	0/ Danassame	Ouglities.	l imaida			Duamanad	Amalumad	D:/ Faa

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130	11/14/22 12:06	11/15/22 16:28	1
o-Terphenyl	108		70 - 130	11/14/22 12:06	11/15/22 16:28	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	481		25.0	mg/Kg			11/15/22 17:11	5

Client Sample ID: FS13 Lab Sample ID: 890-3426-13

Date Collected: 11/07/22 12:30 Date Received: 11/10/22 13:33

Sample Depth: 0.5'

Method: SW846 8021B -	M-1-4!1- O	0 (00)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		11/15/22 16:34	11/16/22 19:05	1
Toluene	<0.00201	U	0.00201	mg/Kg		11/15/22 16:34	11/16/22 19:05	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		11/15/22 16:34	11/16/22 19:05	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		11/15/22 16:34	11/16/22 19:05	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		11/15/22 16:34	11/16/22 19:05	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		11/15/22 16:34	11/16/22 19:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130			11/15/22 16:34	11/16/22 19:05	1
4.4.Diff	0.5		70 400			44/45/00 40:04	44/40/00 40:05	

4-Bromofluorobenzene (Surr)	112	70 - 130	11/15/22 16:34 11/16/22	2 19:05 1
1,4-Difluorobenzene (Surr)	95	70 - 130	11/15/22 16:34 11/16/22	2 19:05 1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00402	U	0.00402	mg/Kg			11/17/22 15:03	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/16/22 09:54	1

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Matrix: Solid

Client: Ensolum Job ID: 890-3426-1 Project/Site: Nash 36 SDG: 03E1558117

Client Sample ID: FS13 Lab Sample ID: 890-3426-13

Date Collected: 11/07/22 12:30 Matrix: Solid Date Received: 11/10/22 13:33

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		11/14/22 12:06	11/15/22 16:50	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		11/14/22 12:06	11/15/22 16:50	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/14/22 12:06	11/15/22 16:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130			11/14/22 12:06	11/15/22 16:50	1
o-Terphenyl	107		70 - 130			11/14/22 12:06	11/15/22 16:50	1
Method: MCAWW 300.0 - Anions	, Ion Chromato	graphy - S	oluble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: FS14 Lab Sample ID: 890-3426-14 Matrix: Solid

Date Collected: 11/07/22 14:30 Date Received: 11/10/22 13:33

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/15/22 16:34	11/16/22 19:30	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/15/22 16:34	11/16/22 19:30	1
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		11/15/22 16:34	11/16/22 19:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		11/15/22 16:34	11/16/22 19:30	1
o-Xylene	< 0.00199	U	0.00199	mg/Kg		11/15/22 16:34	11/16/22 19:30	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/15/22 16:34	11/16/22 19:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130			11/15/22 16:34	11/16/22 19:30	1
1,4-Difluorobenzene (Surr)	90		70 - 130			11/15/22 16:34	11/16/22 19:30	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/17/22 15:03	1
IOIAI DT LX			0.0000	9,9			,,	•
• •				9.1.9			,,22 .0.00	
: Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)					·
Method: SW846 8015 NM - Diese Analyte	el Range Organ Result	ics (DRO) (GC)	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
: Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)		<u>D</u>	Prepared		Dil Fac
Method: SW846 8015 NM - Diese Analyte	Result <50.0	ics (DRO) (Gualifier	RL 50.0	Unit	<u>D</u>	Prepared	Analyzed	
Method: SW846 8015 NM - Diese Analyte Total TPH	el Range Organ Result <50.0 sel Range Organ	ics (DRO) (Gualifier	RL 50.0	Unit	D	Prepared Prepared	Analyzed	
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies	el Range Organ Result <50.0 sel Range Organ	ics (DRO) (Qualifier U nics (DRO) Qualifier	GC) RL 50.0	Unit mg/Kg			Analyzed 11/16/22 09:54	1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies Analyte	el Range Organ Result <50.0 sel Range Orga Result	ics (DRO) (Qualifier U nics (DRO) Qualifier	GC) RL 50.0 (GC) RL	Unit mg/Kg		Prepared	Analyzed 11/16/22 09:54 Analyzed	1 Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	el Range Organ Result <50.0 sel Range Orga Result	ics (DRO) ((Qualifier U nics (DRO) Qualifier U	GC) RL 50.0 (GC) RL	Unit mg/Kg		Prepared	Analyzed 11/16/22 09:54 Analyzed	1 Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	el Range Organ Result <50.0 sel Range Orga Result <50.0	ics (DRO) ((Qualifier U nics (DRO) Qualifier U	GC) RL 50.0 (GC) RL 50.0 50.0	Unit mg/Kg Unit mg/Kg		Prepared 11/14/22 12:06 11/14/22 12:06	Analyzed 11/16/22 09:54 Analyzed 11/15/22 17:11 11/15/22 17:11	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10	el Range Organ Result <50.0 sel Range Orga Result <50.0	ics (DRO) ((Qualifier U nics (DRO) Qualifier U	GC) RL 50.0 (GC) RL 50.0	Unit mg/Kg Unit mg/Kg		Prepared 11/14/22 12:06	Analyzed 11/16/22 09:54 Analyzed 11/15/22 17:11	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	el Range Organ Result <50.0 sel Range Orga Result <50.0 <50.0 <50.0 %Recovery	ics (DRO) ((Qualifier U nics (DRO) Qualifier U U	GC) RL 50.0 (GC) RL 50.0 50.0	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 11/14/22 12:06 11/14/22 12:06 11/14/22 12:06 Prepared	Analyzed 11/16/22 09:54 Analyzed 11/15/22 17:11 11/15/22 17:11	1 Dil Fac 1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	el Range Organ Result <50.0 sel Range Orga Result <50.0 <50.0 <50.0	ics (DRO) ((Qualifier U nics (DRO) Qualifier U U	GC) RL 50.0 (GC) RL 50.0 50.0 50.0	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 11/14/22 12:06 11/14/22 12:06 11/14/22 12:06	Analyzed 11/16/22 09:54 Analyzed 11/15/22 17:11 11/15/22 17:11 11/15/22 17:11	1 Dil Fac 1 1

Client Sample Results

Client: Ensolum Job ID: 890-3426-1 Project/Site: Nash 36 SDG: 03E1558117

Client Sample ID: FS14

Lab Sample ID: 890-3426-14 Date Collected: 11/07/22 14:30

Matrix: Solid

Date Received: 11/10/22 13:33 Sample Depth: 0.5'

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac		
Chloride	3380	101	mg/Kg			11/15/22 17:33	20		

Client Sample ID: FS15 Lab Sample ID: 890-3426-15

Date Collected: 11/07/22 14:35 Matrix: Solid

Date Received: 11/10/22 13:33

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/15/22 16:34	11/16/22 19:56	1
Toluene	< 0.00199	U	0.00199	mg/Kg		11/15/22 16:34	11/16/22 19:56	1
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		11/15/22 16:34	11/16/22 19:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		11/15/22 16:34	11/16/22 19:56	1
o-Xylene	< 0.00199	U	0.00199	mg/Kg		11/15/22 16:34	11/16/22 19:56	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/15/22 16:34	11/16/22 19:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130			11/15/22 16:34	11/16/22 19:56	1
1,4-Difluorobenzene (Surr)	99		70 - 130			11/15/22 16:34	11/16/22 19:56	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			11/17/22 15:03	1
Analyte Total TPH		Qualifier U		Unit mg/Kg	D	Prepared	Analyzed 11/16/22 09:54	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/16/22 09:54	1
Method: SW846 8015B NM - Die	sel Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/14/22 12:06	11/15/22 17:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/14/22 12:06	11/15/22 17:32	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/14/22 12:06	11/15/22 17:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130			11/14/22 12:06	11/15/22 17:32	1
o-Terphenyl	94		70 - 130			11/14/22 12:06	11/15/22 17:32	1
o respiration								
Method: MCAWW 300.0 - Anions	s, Ion Chromato	ography - So	oluble					
	•	ography - So Qualifier	oluble RL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac

Matrix: Solid

Lab Sample ID: 890-3426-16

Client Sample Results

Client: Ensolum Job ID: 890-3426-1 Project/Site: Nash 36 SDG: 03E1558117

Client Sample ID: FS16

Date Collected: 11/07/22 14:40 Date Received: 11/10/22 13:33

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:34	11/16/22 20:21	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:34	11/16/22 20:21	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:34	11/16/22 20:21	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		11/15/22 16:34	11/16/22 20:21	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:34	11/16/22 20:21	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		11/15/22 16:34	11/16/22 20:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130			11/15/22 16:34	11/16/22 20:21	1
1,4-Difluorobenzene (Surr)	97		70 - 130			11/15/22 16:34	11/16/22 20:21	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			11/17/22 15:03	1
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)					
		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Total TPH		Qualifier	•	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 11/16/22 09:54	
Analyte Total TPH	Result <49.9	Qualifier U	RL 49.9		<u>D</u>	Prepared		
Analyte Total TPH Method: SW846 8015B NM - Dies	Result <49.9	Qualifier U	RL 49.9		<u>D</u>	Prepared Prepared		1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	Result <49.9	Qualifier U nics (DRO) Qualifier	RL 49.9 (GC)	mg/Kg			11/16/22 09:54	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.9 sel Range Orga Result	Qualifier U nics (DRO) Qualifier U	RL 49.9 (GC)	mg/Kg		Prepared	11/16/22 09:54 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9 sel Range Orga Result <49.9	Qualifier U nics (DRO) Qualifier U	RL 49.9 (GC) RL 49.9	mg/Kg Unit mg/Kg		Prepared 11/14/22 12:06	11/16/22 09:54 Analyzed 11/15/22 17:54	Dil Fac
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 nics (DRO) Qualifier U U	RL 49.9 (GC) RL 49.9 49.9	mg/Kg Unit mg/Kg mg/Kg		Prepared 11/14/22 12:06 11/14/22 12:06	11/16/22 09:54 Analyzed 11/15/22 17:54 11/15/22 17:54	Dil Fac
Analyte 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)	Result	Qualifier U nics (DRO) Qualifier U U	RL 49.9 (GC) RL 49.9 49.9	mg/Kg Unit mg/Kg mg/Kg		Prepared 11/14/22 12:06 11/14/22 12:06 11/14/22 12:06	Analyzed 11/15/22 17:54 11/15/22 17:54	Dil Face
Analyte 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	Result <49.9	Qualifier U nics (DRO) Qualifier U U	RL 49.9 (GC) RL 49.9 49.9	mg/Kg Unit mg/Kg mg/Kg		Prepared 11/14/22 12:06 11/14/22 12:06 11/14/22 12:06 Prepared	Analyzed 11/15/22 17:54 11/15/22 17:54 11/15/22 17:54 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result <49.9	Qualifier U nics (DRO) Qualifier U U Qualifier	RL 49.9 (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 11/14/22 12:06 11/14/22 12:06 11/14/22 12:06 Prepared 11/14/22 12:06	Analyzed 11/15/22 17:54 11/15/22 17:54 11/15/22 17:54 Analyzed 11/15/22 17:54	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result <49.9	Qualifier U nics (DRO) Qualifier U U Qualifier	RL 49.9 (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 11/14/22 12:06 11/14/22 12:06 11/14/22 12:06 Prepared 11/14/22 12:06	Analyzed 11/15/22 17:54 11/15/22 17:54 11/15/22 17:54 Analyzed 11/15/22 17:54	Dil Fac

Client Sample ID: FS17

Date Collected: 11/07/22 14:45 Date Received: 11/10/22 13:33

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/15/22 16:34	11/16/22 20:47	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/15/22 16:34	11/16/22 20:47	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/15/22 16:34	11/16/22 20:47	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		11/15/22 16:34	11/16/22 20:47	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/15/22 16:34	11/16/22 20:47	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/15/22 16:34	11/16/22 20:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130			11/15/22 16:34	11/16/22 20:47	

Eurofins Carlsbad

Matrix: Solid

Lab Sample ID: 890-3426-17

Client Sample Results

Client: Ensolum Job ID: 890-3426-1 Project/Site: Nash 36 SDG: 03E1558117

Client Sample ID: FS17

Lab Sample ID: 890-3426-17 Date Collected: 11/07/22 14:45 Matrix: Solid Date Received: 11/10/22 13:33

Sample Depth: 0.5'

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	101	70 - 130	11/15/22 16:34	11/16/22 20:47	1

Method: TAL SOP Total BTEX - Total BTE	X Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	ma/Ka			11/17/22 15:03	1

1	Mothod:	2N/2/6	2015 NI	A Dice	I Dango (Organice	(DRO) (GC)

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9 U	49.9	ma/Ka			11/16/22 09:54	1

	Mothod: SW046 904ED NM Diocol Dan	go Organico (DBO) (CC)	v
ı	Method: SW846 8015B NM - Diesel Ran	ge Organics (DRO) (GC)	,

			(/					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		11/14/22 12:06	11/15/22 18:15	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		11/14/22 12:06	11/15/22 18:15	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/14/22 12:06	11/15/22 18:15	1
1 -								

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	11/14/22 12:06	11/15/22 18:15	1
o-Terphenyl	98		70 - 130	11/14/22 12:06	11/15/22 18:15	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5110		99.2	mg/Kg			11/15/22 17:50	20

Client Sample ID: FS18 Lab Sample ID: 890-3426-18 Matrix: Solid

Date Collected: 11/07/22 14:50 Date Received: 11/10/22 13:33

Sample Depth: 0.5'

Method: SW846 8021B -	M-1-4!1- O	0 (00)

			,					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/15/22 16:34	11/16/22 21:12	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/15/22 16:34	11/16/22 21:12	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/15/22 16:34	11/16/22 21:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		11/15/22 16:34	11/16/22 21:12	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/15/22 16:34	11/16/22 21:12	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/15/22 16:34	11/16/22 21:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130			11/15/22 16:34	11/16/22 21:12	1

3					
4-Bromofluorobenzene (Surr)	124	70 - 130	11/15/22 16:34	11/16/22 21:12	1
1,4-Difluorobenzene (Surr)	100	70 - 130	11/15/22 16:34	11/16/22 21:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00398	U	0.00398	ma/Ka			11/17/22 15:03	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			11/16/22 09:54	1

Client: Ensolum Job ID: 890-3426-1 Project/Site: Nash 36 SDG: 03E1558117

Client Sample ID: FS18 Lab Sample ID: 890-3426-18

Date Collected: 11/07/22 14:50 Matrix: Solid Date Received: 11/10/22 13:33

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8	mg/Kg		11/14/22 12:06	11/15/22 18:36	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.8	U	49.8	mg/Kg		11/14/22 12:06	11/15/22 18:36	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		11/14/22 12:06	11/15/22 18:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130			11/14/22 12:06	11/15/22 18:36	1
o-Terphenyl	101		70 - 130			11/14/22 12:06	11/15/22 18:36	1
Method: MCAWW 300.0 - Anions	, Ion Chromato	ography - So	oluble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5450		100	mg/Kg		-	11/15/22 17:56	20

Client Sample ID: FS19 Lab Sample ID: 890-3426-19 **Matrix: Solid**

Date Collected: 11/07/22 14:55

Date Received: 11/10/22 13:33

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:34	11/16/22 21:38	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:34	11/16/22 21:38	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:34	11/16/22 21:38	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		11/15/22 16:34	11/16/22 21:38	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:34	11/16/22 21:38	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		11/15/22 16:34	11/16/22 21:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130			11/15/22 16:34	11/16/22 21:38	1
1,4-Difluorobenzene (Surr)	96		70 - 130			11/15/22 16:34	11/16/22 21:38	1
Method: TAL SOP Total BTEX - 1	otal BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			11/17/22 15:03	1
Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/16/22 09:54	1
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		11/14/22 12:06	11/15/22 18:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/14/22 12:06	11/15/22 18:58	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/14/22 12:06	11/15/22 18:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
			70 100			44/44/00 40 00	44 (4 5 (00 4 0 5 0	
1-Chlorooctane	102		70 - 130			11/14/22 12:06	11/15/22 18:58	1

Job ID: 890-3426-1 SDG: 03E1558117

Project/Site: Nash 36 **Client Sample ID: FS19**

Lab Sample ID: 890-3426-19

Matrix: Solid

Date Collected: 11/07/22 14:55 Date Received: 11/10/22 13:33

Sample Depth: 0.5'

Client: Ensolum

Method: MCAWW 300.0 - Anions, I	on Chromatography - So	oluble					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4120	99.2	mg/Kg			11/15/22 18:02	20

Client Sample ID: FS20 Lab Sample ID: 890-3426-20 **Matrix: Solid**

Date Collected: 11/07/22 15:00 Date Received: 11/10/22 13:33

Method: SW846 8021B - Volatile Analyte	•	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:34	11/16/22 22:04	
Toluene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:34	11/16/22 22:04	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:34	11/16/22 22:04	
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		11/15/22 16:34	11/16/22 22:04	
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:34	11/16/22 22:04	
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		11/15/22 16:34	11/16/22 22:04	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130			11/15/22 16:34	11/16/22 22:04	
1,4-Difluorobenzene (Surr)	98		70 - 130			11/15/22 16:34	11/16/22 22:04	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			11/17/22 15:03	1
		, , ,	•					
Analyte	Result	Qualifier	RL	Unit make	<u>D</u>	Prepared	Analyzed	
Method: SW846 8015 NM - Diese Analyte Total TPH		Qualifier	•	<mark>Unit</mark> mg/Kg	<u>D</u>	Prepared	Analyzed 11/16/22 09:54	
Analyte Total TPH	Result <49.8	Qualifier U	RL 49.8		<u>D</u>	Prepared		
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte	Result <49.8	Qualifier U	RL 49.8		<u>D</u>	Prepared Prepared		1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	Result <49.8	Qualifier Unics (DRO) Qualifier	RL 49.8	mg/Kg			11/16/22 09:54	Dil Fac
Analyte	Result <49.8 sel Range Orga Result	Qualifier U Inics (DRO) Qualifier U	RL 49.8 (GC)	mg/Kg		Prepared	11/16/22 09:54 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.8 sel Range Orga Result <49.8	Qualifier U Inics (DRO) Qualifier U	RL 49.8 (GC) RL 49.8	mg/Kg Unit mg/Kg		Prepared 11/14/22 12:06	11/16/22 09:54 Analyzed 11/15/22 19:19	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.8 sel Range Orga Result <49.8 <49.8	Qualifier U unics (DRO) Qualifier U U	RL 49.8 (GC) RL 49.8 49.8	mg/Kg Unit mg/Kg mg/Kg		Prepared 11/14/22 12:06 11/14/22 12:06	11/16/22 09:54 Analyzed 11/15/22 19:19 11/15/22 19:19	Dil Fac
Analyte 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)	Result	Qualifier U unics (DRO) Qualifier U U	RL 49.8 (GC) RL 49.8 49.8 49.8	mg/Kg Unit mg/Kg mg/Kg		Prepared 11/14/22 12:06 11/14/22 12:06 11/14/22 12:06	Analyzed 11/15/22 19:19 11/15/22 19:19 11/15/22 19:19	Dil Fac
Analyte 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	Result	Qualifier U unics (DRO) Qualifier U U Qualifier	RL 49.8 (GC) RL 49.8 49.8 49.8 Limits	mg/Kg Unit mg/Kg mg/Kg		Prepared 11/14/22 12:06 11/14/22 12:06 11/14/22 12:06 Prepared	Analyzed 11/15/22 19:19 11/15/22 19:19 11/15/22 19:19 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result	Qualifier U unics (DRO) Qualifier U U Qualifier	RL 49.8 (GC) RL 49.8 49.8 49.8 49.8 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 11/14/22 12:06 11/14/22 12:06 11/14/22 12:06 Prepared 11/14/22 12:06	Analyzed 11/15/22 19:19 11/15/22 19:19 11/15/22 19:19 Analyzed 11/15/22 19:19	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U unics (DRO) Qualifier U U Qualifier	RL 49.8 (GC) RL 49.8 49.8 49.8 49.8 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 11/14/22 12:06 11/14/22 12:06 11/14/22 12:06 Prepared 11/14/22 12:06	Analyzed 11/15/22 19:19 11/15/22 19:19 11/15/22 19:19 Analyzed 11/15/22 19:19	Dil Fac Dil Fac 1 Dil Fac 1 Dil Fac 1 Dil Fac 20

Client Sample Results

Client: Ensolum Job ID: 890-3426-1 Project/Site: Nash 36 SDG: 03E1558117

Client Sample ID: FS21 Lab Sample ID: 890-3426-21

Date Collected: 11/07/22 15:05 Matrix: Solid Date Received: 11/10/22 13:33

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:36	11/16/22 11:45	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:36	11/16/22 11:45	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:36	11/16/22 11:45	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		11/15/22 16:36	11/16/22 11:45	1
o-Xylene	<0.00200	U F2 F1	0.00200	mg/Kg		11/15/22 16:36	11/16/22 11:45	1
Xylenes, Total	<0.00401	U F1	0.00401	mg/Kg		11/15/22 16:36	11/16/22 11:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130			11/15/22 16:36	11/16/22 11:45	1
1,4-Difluorobenzene (Surr)	100		70 - 130			11/15/22 16:36	11/16/22 11:45	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	ulation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00401	U	0.00401	mg/Kg			11/16/22 15:33	1
: Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (0	GC)					
Method: SW846 8015 NM - Diese Analyte	el Range Organ Result	ics (DRO) (C	GC)	Unit	<u>D</u>	Prepared	Analyzed	
Method: SW846 8015 NM - Diese Analyte Total TPH	el Range Organ	ics (DRO) (C	GC)		<u>D</u>	Prepared		
Method: SW846 8015 NM - Diese Analyte Total TPH	el Range Organ Result <50.0 sel Range Organ	ics (DRO) (CQualifierU	RL 50.0	Unit	<u>D</u>	Prepared	Analyzed	
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies	el Range Organ Result <50.0 sel Range Organ	ics (DRO) (0 Qualifier	RL 50.0	Unit	<u>D</u>	Prepared Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte	el Range Organ Result <50.0 sel Range Organ	Qualifier U nics (DRO) Qualifier	RL 50.0	Unit mg/Kg		<u> </u>	Analyzed 11/16/22 10:16	1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	el Range Organ Result <50.0 sel Range Orga Result	Qualifier U nics (DRO) Qualifier U u nics (DRO) Qualifier U	RL 50.0	Unit mg/Kg		Prepared	Analyzed 11/16/22 10:16 Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	el Range Organ Result <50.0 sel Range Orga Result <50.0	cos (DRO) (On Qualifier Unics (DRO) Qualifier Unics (DRO) Qualifier Unics Unic	(GC) RL 50.0 RL 50.0	Unit mg/Kg Unit mg/Kg		Prepared 11/14/22 12:10	Analyzed 11/16/22 10:16 Analyzed 11/15/22 11:17	1 Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	el Range Organ Result <50.0 sel Range Orga Result <50.0 <50.0	cos (DRO) (On Qualifier Unics (DRO) Qualifier Unics (DRO) Qualifier Unics Unic	GC) RL 50.0 (GC) RL 50.0 50.0	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 11/14/22 12:10 11/14/22 12:10	Analyzed 11/16/22 10:16 Analyzed 11/15/22 11:17 11/15/22 11:17	1 Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	el Range Organ Result <50.0 sel Range Orga Result <50.0 <50.0 <50.0	cos (DRO) (On Qualifier Unics (DRO) Qualifier Unics (DRO) Qualifier Unics Unic	GC) RL 50.0 (GC) RL 50.0 50.0 50.0	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 11/14/22 12:10 11/14/22 12:10 11/14/22 12:10	Analyzed 11/16/22 10:16 Analyzed 11/15/22 11:17 11/15/22 11:17	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	el Range Organ Result <50.0 sel Range Orga Result <50.0 <50.0 <80.0 %Recovery	cos (DRO) (On Qualifier Unics (DRO) Qualifier Unics (DRO) Qualifier Unics Unic	GC) RL 50.0 (GC) RL 50.0 50.0 50.0 Limits	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 11/14/22 12:10 11/14/22 12:10 11/14/22 12:10 Prepared	Analyzed 11/16/22 10:16 Analyzed 11/15/22 11:17 11/15/22 11:17 Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	el Range Organ Result <50.0 sel Range Orga Result <50.0 <50.0 <50.0 %Recovery 103 106	Company of the compan	GC) RL 50.0 (GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 11/14/22 12:10 11/14/22 12:10 11/14/22 12:10 Prepared 11/14/22 12:10	Analyzed 11/16/22 10:16 Analyzed 11/15/22 11:17 11/15/22 11:17 Analyzed 11/15/22 11:17	1 Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Range Organ Result	Company of the compan	GC) RL 50.0 (GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 11/14/22 12:10 11/14/22 12:10 11/14/22 12:10 Prepared 11/14/22 12:10	Analyzed 11/16/22 10:16 Analyzed 11/15/22 11:17 11/15/22 11:17 Analyzed 11/15/22 11:17	Dil Fac 1 1 Dil Fac

Client Sample ID: FS22 Lab Sample ID: 890-3426-22

Date Collected: 11/07/22 15:10 Date Received: 11/10/22 13:33

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/15/22 16:36	11/16/22 12:05	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/15/22 16:36	11/16/22 12:05	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/15/22 16:36	11/16/22 12:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		11/15/22 16:36	11/16/22 12:05	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/15/22 16:36	11/16/22 12:05	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/15/22 16:36	11/16/22 12:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			11/15/22 16:36	11/16/22 12:05	1

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Matrix: Solid

Job ID: 890-3426-1

11/14/22 12:10

Prepared

11/15/22 12:22

11/15/22 19:24

Client: Ensolum Project/Site: Nash 36 SDG: 03E1558117

Client Sample ID: FS22 Lab Sample ID: 890-3426-22

Date Collected: 11/07/22 15:10 **Matrix: Solid** Date Received: 11/10/22 13:33

Sample Depth: 0.5'

Method: SW846 8021B - Volatile (Organic Compounds (GC) (Continued)			
Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	106	70 - 130	11/15/22 16:36	11/16/22 12:05	1

Method: TAL SOP Total BTEX - Total	al BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/16/22 15:33	1

Method: SW846 8015 NM - Diesel F	Range Organics (DRO) (GO	C)					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8 U	49.8	mg/Kg			11/16/22 10:16	1

Method: SW846 8015B NM - Diese	el Range Orga	inics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		11/14/22 12:10	11/15/22 12:22	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		11/14/22 12:10	11/15/22 12:22	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		11/14/22 12:10	11/15/22 12:22	1
Surrogate	%Recovery	Qualifier	l imits			Prenared	Analyzed	Dil Fac

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	;
Method: MCAWW 300.0 - Anions, Ion Ch	romatography - Solu	ıble						
o-Terphenyl	97	70 - 130		1	1/14/22 12:10 1	11/15/22 12:22	1	1
1-Onioroociane	31	70 - 750		,	1/17/22 12.10 1	1/10/22 12.22	,	-

70 130

97

Result Qualifier

59.4

99.8 mg/Kg Chloride 5110 **Client Sample ID: FS23** Lab Sample ID: 890-3426-23

Date Collected: 11/07/22 15:15 Date Received: 11/10/22 13:33

Analyte

Total TPH

Released to Imaging: 1/31/2024 1:23:41 PM

1-Chlorooctane

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:36	11/16/22 12:26	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:36	11/16/22 12:26	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:36	11/16/22 12:26	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		11/15/22 16:36	11/16/22 12:26	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:36	11/16/22 12:26	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		11/15/22 16:36	11/16/22 12:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			11/15/22 16:36	11/16/22 12:26	1
1,4-Difluorobenzene (Surr)	108		70 - 130			11/15/22 16:36	11/16/22 12:26	1
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			11/16/22 15:33	1

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Analyzed

11/16/22 10:16

RL

49.9

Unit

mg/Kg

20

Matrix: Solid

Dil Fac

Client: Ensolum Job ID: 890-3426-1 Project/Site: Nash 36 SDG: 03E1558117

Client Sample ID: FS23 Lab Sample ID: 890-3426-23

Date Collected: 11/07/22 15:15 Matrix: Solid Date Received: 11/10/22 13:33

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		11/14/22 12:10	11/15/22 12:44	1
(GRO)-C6-C10								
Diesel Range Organics (Over	59.4		49.9	mg/Kg		11/14/22 12:10	11/15/22 12:44	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/14/22 12:10	11/15/22 12:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130			11/14/22 12:10	11/15/22 12:44	1
o-Terphenyl	97		70 - 130			11/14/22 12:10	11/15/22 12:44	1
Method: MCAWW 300.0 - Anions	, Ion Chromato	ography - S	oluble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: FS24 Lab Sample ID: 890-3426-24 Matrix: Solid

Date Collected: 11/08/22 11:30

Date Received: 11/10/22 13:33

Sample Depth: 1'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		11/15/22 16:36	11/16/22 12:47	1
Toluene	<0.00198	U	0.00198	mg/Kg		11/15/22 16:36	11/16/22 12:47	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		11/15/22 16:36	11/16/22 12:47	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		11/15/22 16:36	11/16/22 12:47	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		11/15/22 16:36	11/16/22 12:47	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		11/15/22 16:36	11/16/22 12:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130			11/15/22 16:36	11/16/22 12:47	1
1,4-Difluorobenzene (Surr)	112		70 - 130			11/15/22 16:36	11/16/22 12:47	1
Method: TAL SOP Total BTEX - 1	otal BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			11/16/22 15:33	1
				J J				
-	l Pango Organ	ice (DBO) (ec)	3. 3				
: Method: SW846 8015 NM - Diese			•		n	Prepared	Analyzed	Dil Fac
-		Qualifier	GC) RL 50.0		<u>D</u>	Prepared	Analyzed 11/16/22 10:16	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH	Result < 50.0	Qualifier U	RL 50.0	Unit	<u>D</u>	Prepared		
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies	Result <50.0	Qualifier U	RL 50.0	Unit mg/Kg			11/16/22 10:16	1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies Analyte	Result <50.0 Sel Range Orga Result	Qualifier U nics (DRO) Qualifier	RL 50.0 (GC)	Unit mg/Kg	<u>D</u>	Prepared	11/16/22 10:16 Analyzed	1 Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies	Result <50.0	Qualifier U nics (DRO) Qualifier	RL 50.0	Unit mg/Kg			11/16/22 10:16	1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	Result <50.0 Sel Range Orga Result	Qualifier U nics (DRO) Qualifier U	RL 50.0 (GC)	Unit mg/Kg		Prepared	11/16/22 10:16 Analyzed	1 Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10	Result <50.0 sel Range Orga Result <50.0	Qualifier U nics (DRO) Qualifier U	(GC) RL 50.0	Unit mg/Kg Unit mg/Kg		Prepared 11/14/22 12:10	11/16/22 10:16 Analyzed 11/15/22 13:05	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.0 sel Range Orga Result <50.0	Qualifier U nics (DRO) Qualifier U	(GC) RL 50.0	Unit mg/Kg Unit mg/Kg		Prepared 11/14/22 12:10	11/16/22 10:16 Analyzed 11/15/22 13:05	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <50.0	Qualifier U nics (DRO) Qualifier U U	RL 50.0 (GC) RL 50.0 50.0	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 11/14/22 12:10 11/14/22 12:10	11/16/22 10:16 Analyzed 11/15/22 13:05 11/15/22 13:05	1 Dil Fac 1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0	Qualifier U nics (DRO) Qualifier U U	RL 50.0 (GC) RL 50.0 50.0	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 11/14/22 12:10 11/14/22 12:10 11/14/22 12:10	Analyzed 11/15/22 13:05 11/15/22 13:05	1 Dil Fac 1

Client Sample Results

Client: Ensolum Job ID: 890-3426-1 Project/Site: Nash 36 SDG: 03E1558117

Client Sample ID: FS24

Lab Sample ID: 890-3426-24 Date Collected: 11/08/22 11:30 Matrix: Solid

Sample Depth: 1'

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble								
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	50.7	1.00	mg/Kg			11/15/22 19:35	20	

Client Sample ID: FS25 Lab Sample ID: 890-3426-25

Date Collected: 11/08/22 11:35 Date Received: 11/10/22 13:33

Date Received: 11/10/22 13:33

Sample Depth: 1'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		11/15/22 16:36	11/16/22 13:07	1
Toluene	<0.00201	U	0.00201	mg/Kg		11/15/22 16:36	11/16/22 13:07	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		11/15/22 16:36	11/16/22 13:07	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		11/15/22 16:36	11/16/22 13:07	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		11/15/22 16:36	11/16/22 13:07	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		11/15/22 16:36	11/16/22 13:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130			11/15/22 16:36	11/16/22 13:07	1
1,4-Difluorobenzene (Surr)	110		70 - 130			11/15/22 16:36	11/16/22 13:07	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			11/16/22 15:33	1
Method: SW846 8015 NM - Diese Analyte	•	ics (DRO) (Qualifier	GC) RL	Unit	D	Prepared	Analyzed	Dil Fac
	•	Qualifier	•	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 11/16/22 10:16	
Analyte Total TPH		Qualifier U	RL 50.0		<u>D</u>	Prepared		
Analyte Total TPH Method: SW846 8015B NM - Dies	Result <50.0	Qualifier U	RL 50.0		<u>D</u>	Prepared Prepared		Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	Result <50.0	Qualifier Unics (DRO) Qualifier	RL 50.0	mg/Kg			11/16/22 10:16	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.0 sel Range Orga Result	Qualifier U nics (DRO) Qualifier U	RL 50.0 (GC)	mg/Kg		Prepared	11/16/22 10:16 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0 sel Range Orga Result <50.0	Qualifier U nics (DRO) Qualifier U	RL	mg/Kg Unit mg/Kg		Prepared 11/14/22 12:10	11/16/22 10:16 Analyzed 11/15/22 13:26	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0 sel Range Orga Result <50.0 <50.0	Qualifier U nics (DRO) Qualifier U	RL 50.0 (GC) RL 50.0 50.0	mg/Kg Unit mg/Kg mg/Kg		Prepared 11/14/22 12:10 11/14/22 12:10	11/16/22 10:16 Analyzed 11/15/22 13:26 11/15/22 13:26	Dil Fac
Analyte 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)	Result	Qualifier U nics (DRO) Qualifier U U	RL 50.0 (GC) RL 50.0 50.0 50.0	mg/Kg Unit mg/Kg mg/Kg		Prepared 11/14/22 12:10 11/14/22 12:10 11/14/22 12:10	Analyzed 11/15/22 13:26 11/15/22 13:26 11/15/22 13:26	Dil Fac
Analyte 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	Result	Qualifier U nics (DRO) Qualifier U U	RL 50.0 (GC) RL 50.0 50.0 50.0 Limits	mg/Kg Unit mg/Kg mg/Kg		Prepared 11/14/22 12:10 11/14/22 12:10 11/14/22 12:10 Prepared	Analyzed 11/15/22 13:26 11/15/22 13:26 11/15/22 13:26 Analyzed	Dil Fac
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	Result	Qualifier U nics (DRO) Qualifier U U Qualifier	RL 50.0 (GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 11/14/22 12:10 11/14/22 12:10 11/14/22 12:10 Prepared 11/14/22 12:10	Analyzed 11/15/22 13:26 11/15/22 13:26 11/15/22 13:26 Analyzed 11/15/22 13:26	1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U nics (DRO) Qualifier U U Qualifier	RL 50.0 (GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 11/14/22 12:10 11/14/22 12:10 11/14/22 12:10 Prepared 11/14/22 12:10	Analyzed 11/15/22 13:26 11/15/22 13:26 11/15/22 13:26 Analyzed 11/15/22 13:26	1 Dil Fac

Lab Sample ID: 890-3426-26

Client Sample Results

Client: Ensolum Job ID: 890-3426-1 Project/Site: Nash 36 SDG: 03E1558117

Client Sample ID: FS26

Date Collected: 11/08/22 11:40 Date Received: 11/10/22 13:33

Sample Depth: 1'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		11/15/22 16:36	11/16/22 13:28	1
Toluene	<0.00202	U	0.00202	mg/Kg		11/15/22 16:36	11/16/22 13:28	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		11/15/22 16:36	11/16/22 13:28	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		11/15/22 16:36	11/16/22 13:28	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		11/15/22 16:36	11/16/22 13:28	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		11/15/22 16:36	11/16/22 13:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			11/15/22 16:36	11/16/22 13:28	1
1,4-Difluorobenzene (Surr)	110		70 - 130			11/15/22 16:36	11/16/22 13:28	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			11/16/22 15:33	1
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
			RL 49.9	Unit mg/Kg	D	Prepared	Analyzed 11/16/22 10:16	
Analyte Total TPH	<49.9	U	49.9		<u>D</u>	Prepared		
Total TPH	<49.9	U	49.9		<u>D</u>			
Total TPH	<49.9 sel Range Orga Result	nics (DRO) Qualifier	49.9		<u>D</u>	Prepared Prepared		Dil Fac Dil Fac
Total TPH Method: SW846 8015B NM - Dies	<49.9	nics (DRO) Qualifier	49.9 (GC)	mg/Kg	-		11/16/22 10:16	1
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	<49.9 sel Range Orga Result	nics (DRO) Qualifier	49.9 (GC)	mg/Kg	-	Prepared	11/16/22 10:16 Analyzed	1 Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<49.9 sel Range Orga Result <49.9	nics (DRO) Qualifier U	(GC) RL 49.9	mg/Kg Unit mg/Kg	-	Prepared 11/14/22 12:10	11/16/22 10:16 Analyzed 11/15/22 13:48	Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<49.9 sel Range Orga Result <49.9 <49.9	nics (DRO) Qualifier U	(GC) RL 49.9 49.9	mg/Kg Unit mg/Kg mg/Kg	-	Prepared 11/14/22 12:10 11/14/22 12:10	11/16/22 10:16 Analyzed 11/15/22 13:48 11/15/22 13:48	1 Dil Fac 1 1
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)	<49.9 sel Range Orga Result <49.9 <49.9 <49.9	Oualifier U	49.9 (GC) RL 49.9 49.9 49.9	mg/Kg Unit mg/Kg mg/Kg	-	Prepared 11/14/22 12:10 11/14/22 12:10 11/14/22 12:10	Analyzed 11/15/22 13:48 11/15/22 13:48	Dil Fac 1 1 Dil Fac Dil Fac
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	\$\int \text{49.9}\$ Sel Range Orga Result \$\int \text{49.9}\$ \$\int \text{49.9}\$ \$\int \text{49.9}\$ \$\int \text{Recovery}\$	Oualifier U	49.9 (GC) RL 49.9 49.9 49.9 Limits	mg/Kg Unit mg/Kg mg/Kg	-	Prepared 11/14/22 12:10 11/14/22 12:10 11/14/22 12:10 Prepared	Analyzed 11/15/22 13:48 11/15/22 13:48 11/15/22 13:48 Analyzed	Dil Fac
Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	<49.9 sel Range Orga Result <49.9 <49.9 <49.9 **Recovery <96 <95	Oualifier U Qualifier U Qualifier	49.9 (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg	-	Prepared 11/14/22 12:10 11/14/22 12:10 11/14/22 12:10 Prepared 11/14/22 12:10	Analyzed 11/15/22 13:48 11/15/22 13:48 11/15/22 13:48 Analyzed 11/15/22 13:48	Dil Fac 1 1 1 Dil Fac
Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	sel Range Orga Result <49.9 <49.9 <49.9 %Recovery 96 95 s, Ion Chromato	Oualifier U Qualifier U Qualifier	49.9 (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg	-	Prepared 11/14/22 12:10 11/14/22 12:10 11/14/22 12:10 Prepared 11/14/22 12:10	Analyzed 11/15/22 13:48 11/15/22 13:48 11/15/22 13:48 Analyzed 11/15/22 13:48	1 Dil Fac 1 Dil Fac 1

Client Sample ID: FS27

Date Collected: 11/08/22 11:45 Date Received: 11/10/22 13:33

Sample Depth: 1'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/15/22 16:36	11/16/22 13:49	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/15/22 16:36	11/16/22 13:49	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/15/22 16:36	11/16/22 13:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		11/15/22 16:36	11/16/22 13:49	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/15/22 16:36	11/16/22 13:49	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/15/22 16:36	11/16/22 13:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130			11/15/22 16:36	11/16/22 13:49	1

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Lab Sample ID: 890-3426-27

Matrix: Solid

Client Sample Results

 Client: Ensolum
 Job ID: 890-3426-1

 Project/Site: Nash 36
 SDG: 03E1558117

Client Sample ID: FS27 Lab Sample ID: 890-3426-27

Date Collected: 11/08/22 11:45

Matrix: Solid

Date Received: 11/10/22 13:33

Sample Depth: 1'

Method: SW846 8021B	- Volatile Organic	Compounds ((GC) (Continued)
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Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1.4-Difluorobenzene (Surr)	106	70 - 130	11/15/22 16:36	11/16/22 13:49	1

Method: TAI	SOP Total BTEX	- Total BTEX Calculation
MICHIOU. IAL	- JOI TOTAL DIEX	- Iolai bi LA Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	ma/Ka		·	11/16/22 15:33	1

ı							
ı	Method: SW846	2015 NM	- Diacal	Pange (Irganice	(DRO) (GC)	

Analyte	Result Qualifie	r RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0 U	50.0	ma/Ka			11/16/22 10:16	1

	Mothod: SW046 904ED NM Diocol Dan	go Organico (DBO) (CC)	v
ı	Method: SW846 8015B NM - Diesel Ran	ge Organics (DRO) (GC)	,

			()					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		11/14/22 12:10	11/15/22 14:09	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		11/14/22 12:10	11/15/22 14:09	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/14/22 12:10	11/15/22 14:09	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103	70 - 130	11/14/22 12:10	11/15/22 14:09	1
o-Terphenyl	102	70 - 130	11/14/22 12:10	11/15/22 14:09	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2590		24.8	mg/Kg			11/15/22 20:04	5

Client Sample ID: FS28

Date Collected: 11/08/22 11:50

Lab Sample ID: 890-3426-28

Matrix: Solid

Date Collected: 11/08/22 11:50 Date Received: 11/10/22 13:33

Sample Depth: 1'

ı	Method: SW846 8021B	Maladila Ossasia	O = ==== d= (OO)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/15/22 16:36	11/16/22 14:09	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/15/22 16:36	11/16/22 14:09	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/15/22 16:36	11/16/22 14:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		11/15/22 16:36	11/16/22 14:09	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/15/22 16:36	11/16/22 14:09	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/15/22 16:36	11/16/22 14:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130			11/15/22 16:36	11/16/22 14:09	1
1,4-Difluorobenzene (Surr)	106		70 - 130			11/15/22 16:36	11/16/22 14:09	1

Mothod: TAI	SOP Total RTFY	Total RTEY	Calculation

Released to Imaging: 1/31/2024 1:23:41 PM

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00398	U	0.00398	ma/Ka			11/16/22 15:33	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC	Method:	: SW846 8015 N	M - Diesel R	ange Ord	ianics (DRO)	(GC
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Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/16/22 10:16	1

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Client: Ensolum Job ID: 890-3426-1 Project/Site: Nash 36 SDG: 03E1558117

Client Sample ID: FS28 Lab Sample ID: 890-3426-28

Date Collected: 11/08/22 11:50 Matrix: Solid Date Received: 11/10/22 13:33

Sample Depth: 1'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		11/14/22 12:10	11/15/22 14:31	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		11/14/22 12:10	11/15/22 14:31	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/14/22 12:10	11/15/22 14:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130			11/14/22 12:10	11/15/22 14:31	1
o-Terphenyl	115		70 - 130			11/14/22 12:10	11/15/22 14:31	1
Method: MCAWW 300.0 - Anions	, Ion Chromato	graphy - S	oluble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	8040		100	mg/Kg			11/15/22 20:09	20

Client Sample ID: FS29 Lab Sample ID: 890-3426-29 Matrix: Solid

Date Collected: 11/08/22 12:30

Date Received: 11/10/22 13:33

Sample Depth: 1'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		11/15/22 16:36	11/16/22 14:30	1
Toluene	<0.00198	U	0.00198	mg/Kg		11/15/22 16:36	11/16/22 14:30	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		11/15/22 16:36	11/16/22 14:30	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		11/15/22 16:36	11/16/22 14:30	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		11/15/22 16:36	11/16/22 14:30	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		11/15/22 16:36	11/16/22 14:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130			11/15/22 16:36	11/16/22 14:30	1
1,4-Difluorobenzene (Surr)	105		70 - 130			11/15/22 16:36	11/16/22 14:30	1
- Method: TAL SOP Total BTEX - T	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			11/16/22 15:33	1
-								
Method: SW846 8015 NM - Diese			GC)					
Method: SW846 8015 NM - Diese Analyte		ics (DRO) (Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
			•	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 11/16/22 10:16	Dil Fac
Analyte Total TPH	Result 126	Qualifier	RL 49.9		<u>D</u>	Prepared		
Analyte Total TPH	Result 126 sel Range Orga	Qualifier	RL 49.9		<u>D</u>	Prepared Prepared		
Analyte Total TPH Method: SW846 8015B NM - Dies	Result 126 sel Range Orga	Qualifier nics (DRO) Qualifier	RL 49.9	mg/Kg			11/16/22 10:16	1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte	Result 126 sel Range Orga	Qualifier nics (DRO) Qualifier	RL 49.9 (GC)	mg/Kg		Prepared	11/16/22 10:16 Analyzed	1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result 126 sel Range Orga	Qualifier nics (DRO) Qualifier	RL 49.9 (GC)	mg/Kg		Prepared	11/16/22 10:16 Analyzed	1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result 126 sel Range Orga Result <49.9 126	Qualifier nics (DRO) Qualifier U	RL 49.9 (GC) RL 49.9	mg/Kg Unit mg/Kg mg/Kg		Prepared 11/14/22 12:10 11/14/22 12:10	11/16/22 10:16 Analyzed 11/15/22 14:52 11/15/22 14:52	1 Dil Fac 1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10	Result 126 sel Range Orga Result <49.9	Qualifier nics (DRO) Qualifier U	(GC) RL 49.9	mg/Kg Unit mg/Kg		Prepared 11/14/22 12:10	11/16/22 10:16 Analyzed 11/15/22 14:52	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result 126	Qualifier nics (DRO) Qualifier U	RL 49.9 (GC) RL 49.9	mg/Kg Unit mg/Kg mg/Kg		Prepared 11/14/22 12:10 11/14/22 12:10 11/14/22 12:10 Prepared	11/16/22 10:16 Analyzed 11/15/22 14:52 11/15/22 14:52	1 Dil Fac 1
Analyte 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)	Result 126	Qualifier nics (DRO) Qualifier U	RL 49.9 (GC) RL 49.9 49.9	mg/Kg Unit mg/Kg mg/Kg		Prepared 11/14/22 12:10 11/14/22 12:10 11/14/22 12:10	Analyzed 11/15/22 14:52 11/15/22 14:52	1 Dil Fac 1 1

Lab Sample ID: 890-3426-29

Client Sample Results

 Client: Ensolum
 Job ID: 890-3426-1

 Project/Site: Nash 36
 SDG: 03E1558117

Client Sample ID: FS29

Date Collected: 11/08/22 12:30 Date Received: 11/10/22 13:33

Sample Depth: 1'

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble									
Α	nalyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
С	hloride	9550		99.8	mg/Kg			11/15/22 20:15	20

Client Sample ID: FS30

Date Collected: 11/08/22 12:00

Lab Sample ID: 890-3426-30

Matrix: Solid

Date Collected: 11/08/22 12:00 Date Received: 11/10/22 13:33

Sample Depth: 1'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:36	11/16/22 14:51	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:36	11/16/22 14:51	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:36	11/16/22 14:51	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		11/15/22 16:36	11/16/22 14:51	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:36	11/16/22 14:51	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		11/15/22 16:36	11/16/22 14:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130			11/15/22 16:36	11/16/22 14:51	1
1,4-Difluorobenzene (Surr)	117		70 - 130			11/15/22 16:36	11/16/22 14:51	1
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			11/16/22 15:33	1
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	60.6		50.0	mg/Kg			11/16/22 10:16	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/14/22 12:10	11/15/22 15:13	1
Diesel Range Organics (Over C10-C28)	60.6		50.0	mg/Kg		11/14/22 12:10	11/15/22 15:13	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/14/22 12:10	11/15/22 15:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130			11/14/22 12:10	11/15/22 15:13	1
o-Terphenyl	96		70 - 130			11/14/22 12:10	11/15/22 15:13	1
Method: MCAWW 300.0 - Anions	, Ion Chromato	graphy - So	oluble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

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Lab Sample ID: 890-3426-31

Client Sample Results

 Client: Ensolum
 Job ID: 890-3426-1

 Project/Site: Nash 36
 SDG: 03E1558117

Client Sample ID: FS31

Date Collected: 11/08/22 12:05 Date Received: 11/10/22 13:33

Sample Depth: 1'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00201	U	0.00201	mg/Kg		11/15/22 16:36	11/16/22 16:28	
Toluene	<0.00201	U	0.00201	mg/Kg		11/15/22 16:36	11/16/22 16:28	
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		11/15/22 16:36	11/16/22 16:28	
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		11/15/22 16:36	11/16/22 16:28	
o-Xylene	<0.00201	U	0.00201	mg/Kg		11/15/22 16:36	11/16/22 16:28	
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		11/15/22 16:36	11/16/22 16:28	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	110		70 - 130			11/15/22 16:36	11/16/22 16:28	
1,4-Difluorobenzene (Surr)	96		70 - 130			11/15/22 16:36	11/16/22 16:28	
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00402	U	0.00402	mg/Kg			11/17/22 09:42	
Method: SW846 8015 NM - Die	esel Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	93.7		50.0	mg/Kg			11/16/22 10:16	
Method: SW846 8015B NM - D	iesel Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/14/22 12:10	11/15/22 16:07	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/14/22 12:10	11/15/22 16:07	
Oll Range Organics (Over C28-C36)	93.7		50.0	mg/Kg		11/14/22 12:10	11/15/22 16:07	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	95		70 - 130			11/14/22 12:10	11/15/22 16:07	
o-Terphenyl	95		70 - 130			11/14/22 12:10	11/15/22 16:07	
Method: MCAWW 300.0 - Anio	ons, Ion Chromato	ography - So	oluble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa

Client Sample ID: FS32

Date Collected: 11/08/22 12:10

Lab Sample ID: 890-3426-32

Matrix: Solid

Date Collected: 11/08/22 12:10 Date Received: 11/10/22 13:33

Sample Depth: 1'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:36	11/16/22 16:49	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:36	11/16/22 16:49	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:36	11/16/22 16:49	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		11/15/22 16:36	11/16/22 16:49	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:36	11/16/22 16:49	1
Xylenes, Total	< 0.00399	U	0.00399	mg/Kg		11/15/22 16:36	11/16/22 16:49	1

Client Sample Results

Client: Ensolum Job ID: 890-3426-1 Project/Site: Nash 36 SDG: 03E1558117

Client Sample ID: FS32 Lab Sample ID: 890-3426-32

Date Collected: 11/08/22 12:10 Matrix: Solid Date Received: 11/10/22 13:33

Sample Depth: 1'

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	122		70 - 130			11/15/22 16:36	11/16/22 16:49	
1,4-Difluorobenzene (Surr)	109		70 - 130			11/15/22 16:36	11/16/22 16:49	
Method: TAL SOP Total BTEX - T	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00399	U	0.00399	mg/Kg			11/17/22 09:42	
Method: SW846 8015 NM - Diese	I Range Organi	ics (DRO) (GC)					
Analyte	•	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
			49.9	malka			11/16/22 10:16	-
Method: SW846 8015B NM - Dies			(GC)	mg/Kg		_		
Total TPH	/1./		49.9	ilig/Ng			11/10/22 10.10	
Method: SW846 8015B NM - Dies Analyte	sel Range Orga Result	Qualifier	(GC)	Unit	<u>D</u>	Prepared 11/14/22 12:10	Analyzed	Dil Fa
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	sel Range Orga	Qualifier	(GC)		<u>D</u>	Prepared 11/14/22 12:10		Dil Fa
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10	sel Range Orga Result	Qualifier	(GC)	Unit	<u>D</u>		Analyzed	Dil Fa
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	sel Range Orga Result <49.9	Qualifier	(GC) RL 49.9	<mark>Unit</mark> mg/Kg	<u>D</u>	11/14/22 12:10	Analyzed 11/15/22 16:28	Dil Fa
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	sel Range Orga Result <49.9	Qualifier U	(GC) RL 49.9	<mark>Unit</mark> mg/Kg	<u>D</u>	11/14/22 12:10	Analyzed 11/15/22 16:28	Dil Fa
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	sel Range Orga Result <49.9 71.7 <49.9	Qualifier U	(GC) RL 49.9	Unit mg/Kg mg/Kg	<u>D</u>	11/14/22 12:10	Analyzed 11/15/22 16:28 11/15/22 16:28	Dil Fa
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) DII Range Organics (Over C28-C36)	sel Range Orga Result <49.9 71.7 <49.9	Qualifier U	(GC) RL 49.9 49.9 49.9	Unit mg/Kg mg/Kg	<u>D</u>	11/14/22 12:10 11/14/22 12:10 11/14/22 12:10	Analyzed 11/15/22 16:28 11/15/22 16:28 11/15/22 16:28	

Client Sample ID: FS33 Lab Sample ID: 890-3426-33

RL

100

Unit

mg/Kg

D

Prepared

Result Qualifier

10300

Date Collected: 11/08/22 10:10 Date Received: 11/10/22 13:33

Sample Depth: 0.5'

Analyte

Chloride

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/15/22 16:36	11/16/22 17:10	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/15/22 16:36	11/16/22 17:10	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/15/22 16:36	11/16/22 17:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		11/15/22 16:36	11/16/22 17:10	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/15/22 16:36	11/16/22 17:10	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/15/22 16:36	11/16/22 17:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130			11/15/22 16:36	11/16/22 17:10	1
1,4-Difluorobenzene (Surr)	107		70 - 130			11/15/22 16:36	11/16/22 17:10	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			11/17/22 09:42	1
- Method: SW846 8015 NM - Die	esel Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

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Matrix: Solid

Dil Fac

Analyzed

11/15/22 20:43

Client: Ensolum Job ID: 890-3426-1 Project/Site: Nash 36 SDG: 03E1558117

Client Sample ID: FS33 Lab Sample ID: 890-3426-33

Date Collected: 11/08/22 10:10 Matrix: Solid Date Received: 11/10/22 13:33

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		11/14/22 12:10	11/15/22 16:50	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		11/14/22 12:10	11/15/22 16:50	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/14/22 12:10	11/15/22 16:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130			11/14/22 12:10	11/15/22 16:50	1
o-Terphenyl	100		70 - 130			11/14/22 12:10	11/15/22 16:50	1
Method: MCAWW 300.0 - Anions	, Ion Chromato	graphy - S	oluble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7130		99.8	mg/Kg			11/15/22 20:49	20

Client Sample ID: FS34 Lab Sample ID: 890-3426-34 Matrix: Solid

Date Collected: 11/08/22 10:15

Date Received: 11/10/22 13:33

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		11/15/22 16:36	11/16/22 17:30	1
Toluene	<0.00198	U	0.00198	mg/Kg		11/15/22 16:36	11/16/22 17:30	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		11/15/22 16:36	11/16/22 17:30	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		11/15/22 16:36	11/16/22 17:30	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		11/15/22 16:36	11/16/22 17:30	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		11/15/22 16:36	11/16/22 17:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130			11/15/22 16:36	11/16/22 17:30	1
1,4-Difluorobenzene (Surr)	82		70 - 130			11/15/22 16:36	11/16/22 17:30	1
Method: TAL SOP Total BTEX - 1	otal BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			11/17/22 09:42	1
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/16/22 10:16	1
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		11/14/22 12:10	11/15/22 17:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/14/22 12:10	11/15/22 17:11	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/14/22 12:10	11/15/22 17:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130			11/14/22 12:10	11/15/22 17:11	1

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Released to Imaging: 1/31/2024 1:23:41 PM

Job ID: 890-3426-1

Matrix: Solid

Lab Sample ID: 890-3426-34

Client: Ensolum Project/Site: Nash 36 SDG: 03E1558117

Client Sample ID: FS34

Date Collected: 11/08/22 10:15 Date Received: 11/10/22 13:33

Sample Depth: 0.5'

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac		
Chloride	6680		100	mg/Kg			11/15/22 21:06	20		

Client Sample ID: FS35 Lab Sample ID: 890-3426-35 Matrix: Solid

Date Collected: 11/08/22 10:20 Date Received: 11/10/22 13:33

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:36	11/16/22 17:51	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:36	11/16/22 17:51	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:36	11/16/22 17:51	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		11/15/22 16:36	11/16/22 17:51	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:36	11/16/22 17:51	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		11/15/22 16:36	11/16/22 17:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130			11/15/22 16:36	11/16/22 17:51	1
1,4-Difluorobenzene (Surr)	103		70 - 130			11/15/22 16:36	11/16/22 17:51	1

Method: IAL SUP Total BTEX - Tot	ai BIEX Calculation	on					
Analyte	Result Qualif	fier RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399 U	0.00399	mg/Kg			11/17/22 09:42	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			11/16/22 10:16	1

Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/14/22 12:10	11/15/22 17:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/14/22 12:10	11/15/22 17:32	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/14/22 12:10	11/15/22 17:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130			11/14/22 12:10	11/15/22 17:32	1
o-Terphenyl	110		70 - 130			11/14/22 12:10	11/15/22 17:32	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble									
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	2930		49.8	mg/Kg			11/15/22 21:12	10

Lab Sample ID: 890-3426-36

Client Sample Results

 Client: Ensolum
 Job ID: 890-3426-1

 Project/Site: Nash 36
 SDG: 03E1558117

Client Sample ID: FS36

Date Collected: 11/08/22 10:25 Date Received: 11/10/22 13:33

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		11/15/22 16:36	11/16/22 18:11	1
Toluene	<0.00201	U	0.00201	mg/Kg		11/15/22 16:36	11/16/22 18:11	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		11/15/22 16:36	11/16/22 18:11	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		11/15/22 16:36	11/16/22 18:11	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		11/15/22 16:36	11/16/22 18:11	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		11/15/22 16:36	11/16/22 18:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130			11/15/22 16:36	11/16/22 18:11	1
1,4-Difluorobenzene (Surr)	104		70 - 130			11/15/22 16:36	11/16/22 18:11	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	O	0.00402	mg/Kg			11/17/22 09:42	1
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			11/16/22 10:16	1
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	
Gasoline Range Organics	<49.8	U	49.8	malka		44/44/00 40 40		Dil Fac
(GRO)-C6-C10				mg/Kg		11/14/22 12:10	11/15/22 17:54	
Diesel Range Organics (Over	<49.8	U	49.8	mg/Kg		11/14/22 12:10	11/15/22 17:54 11/15/22 17:54	1
Diesel Range Organics (Over C10-C28)	<49.8 <49.8							1
Diesel Range Organics (Over C10-C28)		U	49.8	mg/Kg		11/14/22 12:10	11/15/22 17:54	1
Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36)	<49.8	U	49.8 49.8	mg/Kg		11/14/22 12:10	11/15/22 17:54 11/15/22 17:54	1 1 1 Dil Fac
C10-C28) Oll Range Organics (Over C28-C36) Surrogate	<49.8 %Recovery	U	49.8 49.8 <i>Limits</i>	mg/Kg		11/14/22 12:10 11/14/22 12:10 Prepared	11/15/22 17:54 11/15/22 17:54 Analyzed	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	<49.8	U Qualifier	49.8 49.8 Limits 70 - 130 70 - 130	mg/Kg		11/14/22 12:10 11/14/22 12:10 Prepared 11/14/22 12:10	11/15/22 17:54 11/15/22 17:54 Analyzed 11/15/22 17:54	Dil Fac
Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	<49.8 **Recovery 109 111 s, lon Chromato	U Qualifier	49.8 49.8 Limits 70 - 130 70 - 130	mg/Kg	<u>D</u>	11/14/22 12:10 11/14/22 12:10 Prepared 11/14/22 12:10	11/15/22 17:54 11/15/22 17:54 Analyzed 11/15/22 17:54	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Client Sample ID: FS37

Date Collected: 11/08/22 10:30 Date Received: 11/10/22 13:33

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		11/15/22 16:36	11/16/22 18:32	1
Toluene	<0.00202	U	0.00202	mg/Kg		11/15/22 16:36	11/16/22 18:32	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		11/15/22 16:36	11/16/22 18:32	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		11/15/22 16:36	11/16/22 18:32	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		11/15/22 16:36	11/16/22 18:32	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		11/15/22 16:36	11/16/22 18:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			11/15/22 16:36	11/16/22 18:32	

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Lab Sample ID: 890-3426-37

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14/24/2022

Matrix: Solid

Client Sample Results

Client: Ensolum Job ID: 890-3426-1 Project/Site: Nash 36 SDG: 03E1558117

Client Sample ID: FS37 Lab Sample ID: 890-3426-37

Date Collected: 11/08/22 10:30 Matrix: Solid Date Received: 11/10/22 13:33

Sample Depth: 0.5'

Method: SW846 8021B - Volatile Organic Co	Compounds (GC) (Continued)
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Surrogate	%Recovery Qua	alifier Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	107	70 - 130	11/15/22 16:36	11/16/22 18:32	1

	T	DEEM O L L C
Method: IAL SOP	iotal BIEX - Iota	I BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	< 0.00403	U	0.00403	ma/Ka		.	11/17/22 09:42	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (0	н						
	ı	Mothod: CIMOAC ODAE NIM	Discal Banga	Organica	(DDO)		١.
	н	MELITOU. SYVO40 OUTS INIVI-	· Diesei Kaliue	Organics	IURUI	uu	

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9 U	49.9	ma/Ka			11/16/22 10:16	1

Method: SW846 8015B NM - Diesel Range Organics	(DRO)	(GC)	١
motified. Offerto College Ithin Biodol Rungo Organico	(5.10)	, , , , ,	,

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		11/14/22 12:10	11/15/22 18:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/14/22 12:10	11/15/22 18:15	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/14/22 12:10	11/15/22 18:15	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94	70 - 130	11/14/22 12:10	11/15/22 18:15	1
o-Terphenyl	94	70 - 130	11/14/22 12:10	11/15/22 18:15	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6790		99.2	mg/Kg			11/15/22 21:23	20

Client Sample ID: FS38 Lab Sample ID: 890-3426-38

Date Collected: 11/08/22 10:35 Date Received: 11/10/22 13:33

Sample Depth: 0.5'

Mathad, CINIO AC OC	21B - Volatile Organic	Campainade (CC)
- Memon: Syva4b au	IZTB - Volatile Urganic	Compounds (GC)

Welliou. 344040 002 ID - Volatile C	Jigariic Comp	ounus (GC))					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/15/22 16:36	11/16/22 18:53	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/15/22 16:36	11/16/22 18:53	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/15/22 16:36	11/16/22 18:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		11/15/22 16:36	11/16/22 18:53	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/15/22 16:36	11/16/22 18:53	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/15/22 16:36	11/16/22 18:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130			11/15/22 16:36	11/16/22 18:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Anaiyzea	DII Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	11/15/22 16:36	11/16/22 18:53	1
1,4-Difluorobenzene (Surr)	97		70 - 130	11/15/22 16:36	11/16/22 18:53	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	ma/Ka			11/17/22 09:42	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC	Method:	: SW846 8015 N	M - Diesel R	ange Ord	ianics (DRO)	(GC
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Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			11/16/22 10:16	1

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Matrix: Solid

 Client: Ensolum
 Job ID: 890-3426-1

 Project/Site: Nash 36
 SDG: 03E1558117

Client Sample ID: FS38 Lab Sample ID: 890-3426-38

Date Collected: 11/08/22 10:35

Date Received: 11/10/22 13:33

Matrix: Solid

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		11/14/22 12:10	11/15/22 18:36	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		11/14/22 12:10	11/15/22 18:36	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		11/14/22 12:10	11/15/22 18:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130			11/14/22 12:10	11/15/22 18:36	1
o-Terphenyl	111		70 - 130			11/14/22 12:10	11/15/22 18:36	1
Method: MCAWW 300.0 - Anions	, Ion Chromato	graphy - So	oluble					
Analyte	Pocult	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: FS39 Lab Sample ID: 890-3426-39

50.5

mg/Kg

Date Collected: 11/08/22 10:40 Matrix: Solid

2560

Date Received: 11/10/22 13:33

Sample Depth: 0.5'

Chloride

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/15/22 16:36	11/16/22 19:13	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/15/22 16:36	11/16/22 19:13	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/15/22 16:36	11/16/22 19:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		11/15/22 16:36	11/16/22 19:13	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/15/22 16:36	11/16/22 19:13	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/15/22 16:36	11/16/22 19:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130			11/15/22 16:36	11/16/22 19:13	1
1,4-Difluorobenzene (Surr)	105		70 - 130			11/15/22 16:36	11/16/22 19:13	1
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/17/22 09:42	1
Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/16/22 10:16	1
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		11/14/22 12:10	11/15/22 18:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/14/22 12:10	11/15/22 18:58	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/14/22 12:10	11/15/22 18:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130			11/14/22 12:10	11/15/22 18:58	1

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0

10

4.0

11/15/22 21:29

13

14

15

Released to Imaging: 1/31/2024 1:23:41 PM

Job ID: 890-3426-1

Matrix: Solid

Matrix: Solid

SDG: 03E1558117

Lab Sample ID: 890-3426-39

Client Sample ID: FS39

Date Collected: 11/08/22 10:40 Date Received: 11/10/22 13:33

Sample Depth: 0.5'

Client: Ensolum

Project/Site: Nash 36

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL Unit D Dil Fac Prepared Analyzed 11/15/22 21:34 49.8 Chloride 4000 mg/Kg

Client Sample ID: FS40 Lab Sample ID: 890-3426-40

Date Collected: 11/08/22 10:45 Date Received: 11/10/22 13:33

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:36	11/16/22 19:34	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:36	11/16/22 19:34	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:36	11/16/22 19:34	1
m-Xylene & p-Xylene	< 0.00399	U	0.00399	mg/Kg		11/15/22 16:36	11/16/22 19:34	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:36	11/16/22 19:34	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		11/15/22 16:36	11/16/22 19:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130			11/15/22 16:36	11/16/22 19:34	1
1,4-Difluorobenzene (Surr)	109		70 - 130			11/15/22 16:36	11/16/22 19:34	1
Total BTEX	<0.00399	U	0.00399	mg/Kg			11/17/22 09:42	1
Total BTEX Method: SW846 8015 NM - Diese				mg/Kg			11/17/22 09:42	1
-	el Range Organ			mg/Kg Unit	D	Prepared	11/17/22 09:42 Analyzed	·
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (0	GC)		<u>D</u>	Prepared		Dil Fac
Method: SW846 8015 NM - Diese Analyte	el Range Organ Result 62.1	ics (DRO) (0 Qualifier	GC) RL 49.8	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH	el Range Organ Result 62.1 sel Range Orga	ics (DRO) (0 Qualifier	GC) RL 49.8	Unit	D_	Prepared Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies	el Range Organ Result 62.1 sel Range Orga	ics (DRO) ((Qualifier nics (DRO) Qualifier	RL 49.8	Unit mg/Kg	_ =		Analyzed 11/16/22 10:16	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	el Range Organ Result 62.1 sel Range Orga Result	ics (DRO) ((Qualifier nics (DRO) Qualifier	RL 49.8 (GC)	Unit mg/Kg	_ =	Prepared	Analyzed 11/16/22 10:16 Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	el Range Organ Result 62.1 sel Range Orga Result Result 449.8	ics (DRO) (O Qualifier nics (DRO) Qualifier	(GC) RL 49.8 (GC) RL 49.8	Unit mg/Kg Unit mg/Kg	_ =	Prepared 11/14/22 12:10	Analyzed 11/16/22 10:16 Analyzed 11/15/22 19:19	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	el Range Organ Result 62.1 sel Range Orga Result Result 49.8 62.1	ics (DRO) (On Qualifier DRO) Qualifier U	(GC) RL 49.8 (GC) RL 49.8 49.8	Unit mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 11/14/22 12:10 11/14/22 12:10	Analyzed 11/16/22 10:16 Analyzed 11/15/22 19:19 11/15/22 19:19	Dil Fac Dil Fac 1 Dil Fac 1 1 Dil Fac

70 - 130

RL

100

Unit

mg/Kg

93

6460

Result Qualifier

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

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11/15/22 19:19

Analyzed

11/15/22 21:40

11/14/22 12:10

Prepared

D

Dil Fac

20

o-Terphenyl

Analyte

Chloride

Lab Sample ID: 890-3426-41

Client Sample Results

Client: Ensolum Job ID: 890-3426-1 Project/Site: Nash 36 SDG: 03E1558117

Client Sample ID: FS41

Date Collected: 11/08/22 10:50 Date Received: 11/10/22 13:33

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *- *1	0.00201	mg/Kg		11/16/22 10:35	11/19/22 06:59	1
Toluene	<0.00201	U *- *1	0.00201	mg/Kg		11/16/22 10:35	11/19/22 06:59	1
Ethylbenzene	< 0.00201	U *- *1 F1	0.00201	mg/Kg		11/16/22 10:35	11/19/22 06:59	1
m-Xylene & p-Xylene	<0.00402	U *- *1	0.00402	mg/Kg		11/16/22 10:35	11/19/22 06:59	1
o-Xylene	<0.00201	U *- *1 F1	0.00201	mg/Kg		11/16/22 10:35	11/19/22 06:59	1
Xylenes, Total	<0.00402	U *- *1	0.00402	mg/Kg		11/16/22 10:35	11/19/22 06:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130			11/16/22 10:35	11/19/22 06:59	1
1,4-Difluorobenzene (Surr)	93		70 - 130			11/16/22 10:35	11/19/22 06:59	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese			•		_			
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/15/22 13:49	1
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)					
Analyte	Deculé							
	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
5 5	<50.0		RL 50.0	Mg/Kg	<u>D</u>	Prepared 11/14/22 10:22	Analyzed 11/14/22 21:39	
(GRO)-C6-C10 Diesel Range Organics (Over					<u>D</u>			1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0	mg/Kg	<u>D</u>	11/14/22 10:22	11/14/22 21:39	1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<50.0 <50.0	U*1	50.0	mg/Kg	<u>D</u>	11/14/22 10:22	11/14/22 21:39	1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<50.0 <50.0 <50.0	U*1	50.0 50.0 50.0	mg/Kg	<u>D</u>	11/14/22 10:22 11/14/22 10:22 11/14/22 10:22	11/14/22 21:39 11/14/22 21:39 11/14/22 21:39	1 1 1 Dil Fac
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	<50.0 <50.0 <50.0 %Recovery	U*1	50.0 50.0 50.0 <i>Limits</i>	mg/Kg	<u> </u>	11/14/22 10:22 11/14/22 10:22 11/14/22 10:22 Prepared	11/14/22 21:39 11/14/22 21:39 11/14/22 21:39 Analyzed	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
(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	<50.0 <50.0 <50.0 <50.0 %Recovery 93 100 s, lon Chromato	U *1 U Qualifier	50.0 50.0 50.0 Limits 70 - 130 70 - 130	mg/Kg mg/Kg mg/Kg		11/14/22 10:22 11/14/22 10:22 11/14/22 10:22 Prepared 11/14/22 10:22	11/14/22 21:39 11/14/22 21:39 11/14/22 21:39 Analyzed 11/14/22 21:39	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
C10-C28) Oll Range Organics (Over C28-C36) Surrogate	<50.0 <50.0 <50.0 <50.0 %Recovery 93 100 s, lon Chromato	U *1 U *Qualifier	50.0 50.0 50.0 Limits 70 - 130 70 - 130	mg/Kg	<u>D</u>	11/14/22 10:22 11/14/22 10:22 11/14/22 10:22 Prepared 11/14/22 10:22	11/14/22 21:39 11/14/22 21:39 11/14/22 21:39 Analyzed 11/14/22 21:39	Dil Fac

Client Sample ID: FS42

Date Collected: 11/08/22 10:55 Date Received: 11/10/22 13:33

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *- *1	0.00199	mg/Kg		11/16/22 10:35	11/19/22 07:26	1
Toluene	<0.00199	U *- *1	0.00199	mg/Kg		11/16/22 10:35	11/19/22 07:26	1
Ethylbenzene	<0.00199	U *- *1	0.00199	mg/Kg		11/16/22 10:35	11/19/22 07:26	1
m-Xylene & p-Xylene	<0.00398	U *- *1	0.00398	mg/Kg		11/16/22 10:35	11/19/22 07:26	1
o-Xylene	<0.00199	U *- *1	0.00199	mg/Kg		11/16/22 10:35	11/19/22 07:26	1
Xylenes, Total	<0.00398	U *- *1	0.00398	mg/Kg		11/16/22 10:35	11/19/22 07:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130			11/16/22 10:35	11/19/22 07:26	1

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Lab Sample ID: 890-3426-42

Matrix: Solid

Client Sample Results

Client: Ensolum Job ID: 890-3426-1 Project/Site: Nash 36 SDG: 03E1558117

Client Sample ID: FS42

Lab Sample ID: 890-3426-42 Date Collected: 11/08/22 10:55 Matrix: Solid

Date Received: 11/10/22 13:33 Sample Depth: 0.5'

Method: SW846 8021B	- Volatile Organic	Compounds	(GC)	(Continued)	
Mothod: Offord COLID	Tolutile Organic	Compounds	100,	(Oontiniaca)	

Surrogate	%Recovery Qualifie	r Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	97	70 - 130	11/16/22 10:35	11/19/22 07:26	1

Method: TAL SOP Total BTEX - Total BTE	X Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	ma/Ka		·	11/21/22 18:12	1

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

		- /					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	59.2	49.8	mg/Kg			11/15/22 13:49	1

ı	Method: SW846 8015E	NM - Diocol Pango	Organice (DPO) (CC)
ı	INICITION. SYVO40 OUTSE	NIVI - DIESEI RAIIUE	Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		11/14/22 10:22	11/14/22 22:44	1
Diesel Range Organics (Over C10-C28)	59.2	*1	49.8	mg/Kg		11/14/22 10:22	11/14/22 22:44	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		11/14/22 10:22	11/14/22 22:44	1

Surrogate	%Recovery Qual	lifier Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87	70 - 130	11/14/22 10:22	11/14/22 22:44	1
o-Terphenyl	92	70 - 130	11/14/22 10:22	11/14/22 22:44	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifier	· RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6810	100	mg/Kg			11/15/22 22:54	20

Client Sample ID: FS43 Lab Sample ID: 890-3426-43 Matrix: Solid

Date Collected: 11/08/22 11:00 Date Received: 11/10/22 13:33

Sample Depth: 0.5'

Method:	· SW846 802	1B - Volatile	Organic Co	ompounds (GC)

Method. Syvoto ouz 1D - Volat	ne Organic Comp)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *- *1	0.00200	mg/Kg		11/16/22 10:35	11/19/22 07:52	1
Toluene	<0.00200	U *- *1	0.00200	mg/Kg		11/16/22 10:35	11/19/22 07:52	1
Ethylbenzene	<0.00200	U *- *1	0.00200	mg/Kg		11/16/22 10:35	11/19/22 07:52	1
m-Xylene & p-Xylene	<0.00399	U *- *1	0.00399	mg/Kg		11/16/22 10:35	11/19/22 07:52	1
o-Xylene	<0.00200	U *- *1	0.00200	mg/Kg		11/16/22 10:35	11/19/22 07:52	1
Xylenes, Total	<0.00399	U *- *1	0.00399	mg/Kg		11/16/22 10:35	11/19/22 07:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130			11/16/22 10:35	11/19/22 07:52	1
1 4-Diffuorobenzene (Surr)	97		70 130			11/16/22 10:35	11/19/22 07:52	1

Mothod: TAI	SOP Total RTFY	- Total RTFY	Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	< 0.00399	U	0.00399	ma/Ka			11/21/22 18:12	1	

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/15/22 13:49	1

Lab Sample ID: 890-3426-43

11/15/22 22:59

Matrix: Solid

Lab Sample ID: 890-3426-44

 Client: Ensolum
 Job ID: 890-3426-1

 Project/Site: Nash 36
 SDG: 03E1558117

Client Sample ID: FS43

Date Collected: 11/08/22 11:00 Date Received: 11/10/22 13:33

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		11/14/22 10:22	11/14/22 23:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9	mg/Kg		11/14/22 10:22	11/14/22 23:06	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/14/22 10:22	11/14/22 23:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130			11/14/22 10:22	11/14/22 23:06	1
o-Terphenyl	99		70 - 130			11/14/22 10:22	11/14/22 23:06	1
Method: MCAWW 300.0 - Anions	, Ion Chromato	graphy - S	oluble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

101

mg/Kg

4990

Client Sample ID: FS44

Date Collected: 11/08/22 11:05

Date Received: 11/10/22 13:33

Sample Depth: 0.5'

Chloride

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *- *1	0.00199	mg/Kg		11/16/22 10:35	11/19/22 08:20	1
Toluene	< 0.00199	U *- *1	0.00199	mg/Kg		11/16/22 10:35	11/19/22 08:20	1
Ethylbenzene	< 0.00199	U *- *1	0.00199	mg/Kg		11/16/22 10:35	11/19/22 08:20	1
m-Xylene & p-Xylene	<0.00398	U *- *1	0.00398	mg/Kg		11/16/22 10:35	11/19/22 08:20	1
o-Xylene	< 0.00199	U *- *1	0.00199	mg/Kg		11/16/22 10:35	11/19/22 08:20	1
Xylenes, Total	<0.00398	U *- *1	0.00398	mg/Kg		11/16/22 10:35	11/19/22 08:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130			11/16/22 10:35	11/19/22 08:20	1
1,4-Difluorobenzene (Surr)	94		70 - 130			11/16/22 10:35	11/19/22 08:20	1
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/21/22 18:12	1
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/15/22 13:49	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/14/22 10:22	11/14/22 23:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0	mg/Kg		11/14/22 10:22	11/14/22 23:27	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/14/22 10:22	11/14/22 23:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130			11/14/22 10:22	11/14/22 23:27	1

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Released to Imaging: 1/31/2024 1:23:41 PM

Job ID: 890-3426-1 SDG: 03E1558117

Client: Ensolum Project/Site: Nash 36 **Client Sample ID: FS44**

Lab Sample ID: 890-3426-44

Matrix: Solid

Date Collected: 11/08/22 11:05 Date Received: 11/10/22 13:33

Sample Depth: 0.5'

Method: MCAWW 300.0 - Anions,	lon Chromatography - So	oluble					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3730	49.6	mg/Kg			11/15/22 23:16	10

Client Sample ID: FS45 Lab Sample ID: 890-3426-45

Date Collected: 11/08/22 11:10 Date Received: 11/10/22 13:33

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *- *1	0.00199	mg/Kg		11/16/22 10:35	11/19/22 08:47	
Toluene	<0.00199	U *- *1	0.00199	mg/Kg		11/16/22 10:35	11/19/22 08:47	
Ethylbenzene	< 0.00199	U *- *1	0.00199	mg/Kg		11/16/22 10:35	11/19/22 08:47	
m-Xylene & p-Xylene	<0.00398	U *- *1	0.00398	mg/Kg		11/16/22 10:35	11/19/22 08:47	
o-Xylene	<0.00199	U *- *1	0.00199	mg/Kg		11/16/22 10:35	11/19/22 08:47	
Xylenes, Total	<0.00398	U *- *1	0.00398	mg/Kg		11/16/22 10:35	11/19/22 08:47	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	112		70 - 130			11/16/22 10:35	11/19/22 08:47	
1,4-Difluorobenzene (Surr)	103		70 - 130			11/16/22 10:35	11/19/22 08:47	
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/21/22 18:12	•
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	160		50.0	mg/Kg			11/15/22 13:49	,
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/14/22 10:22	11/14/22 23:49	•
Diesel Range Organics (Over C10-C28)	160	*1	50.0	mg/Kg		11/14/22 10:22	11/14/22 23:49	,
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/14/22 10:22	11/14/22 23:49	•
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	126		70 - 130			11/14/22 10:22	11/14/22 23:49	
o-Terphenyl	137	S1+	70 - 130			11/14/22 10:22	11/14/22 23:49	
Method: MCAWW 300.0 - Anions	, Ion Chromato	graphy - So	oluble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	5830		99.2	mg/Kg			11/15/22 23:22	20

Lab Sample ID: 890-3426-46

Client Sample Results

Client: Ensolum Job ID: 890-3426-1 Project/Site: Nash 36 SDG: 03E1558117

Client Sample ID: FS46

Date Collected: 11/08/22 11:15 Date Received: 11/10/22 13:33

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *- *1	0.00200	mg/Kg		11/16/22 10:35	11/19/22 09:14	1
Toluene	<0.00200	U *- *1	0.00200	mg/Kg		11/16/22 10:35	11/19/22 09:14	1
Ethylbenzene	<0.00200	U *- *1	0.00200	mg/Kg		11/16/22 10:35	11/19/22 09:14	1
m-Xylene & p-Xylene	<0.00399	U *- *1	0.00399	mg/Kg		11/16/22 10:35	11/19/22 09:14	1
o-Xylene	<0.00200	U *- *1	0.00200	mg/Kg		11/16/22 10:35	11/19/22 09:14	1
Xylenes, Total	<0.00399	U *- *1	0.00399	mg/Kg		11/16/22 10:35	11/19/22 09:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130			11/16/22 10:35	11/19/22 09:14	1
1,4-Difluorobenzene (Surr)	95		70 - 130			11/16/22 10:35	11/19/22 09:14	1
Method: TAL SOP Total BTEX -	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			11/21/22 18:12	1
			GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Total TPH			•	Mg/Kg	<u>D</u>	Prepared	Analyzed 11/15/22 13:49	Dil Fac
	<49.9	U	RL 49.9		<u>D</u>	Prepared		Dil Fac
Total TPH	<49.9	U	RL 49.9		<u>D</u>	Prepared Prepared		1
Total TPH Method: SW846 8015B NM - Die: Analyte Gasoline Range Organics	<49.9	nics (DRO) Qualifier	RL 49.9	mg/Kg		<u> </u>	11/15/22 13:49	1 Dil Fac
Total TPH Method: SW846 8015B NM - Die	<49.9 sel Range Orga Result	Unics (DRO) Qualifier	RL 49.9 (GC)	mg/Kg		Prepared	11/15/22 13:49 Analyzed	Dil Fac
Total TPH Method: SW846 8015B NM - Die: Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<49.9 sel Range Orga Result <49.9	Unics (DRO) Qualifier U	(GC) RL 49.9	mg/Kg Unit mg/Kg		Prepared 11/14/22 10:22	11/15/22 13:49 Analyzed 11/15/22 00:10	Dil Fac
Total TPH Method: SW846 8015B NM - Die: Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<49.9 sel Range Orga Result <49.9 <49.9	Unics (DRO) Qualifier U *1	RL 49.9 (GC) RL 49.9	mg/Kg Unit mg/Kg mg/Kg		Prepared 11/14/22 10:22 11/14/22 10:22	Analyzed 11/15/22 00:10 11/15/22 00:10	Dil Fac
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)	<49.9 sel Range Orga Result <49.9 <49.9 <49.9	Unics (DRO) Qualifier U *1	RL 49.9 (GC) RL 49.9 49.9	mg/Kg Unit mg/Kg mg/Kg		Prepared 11/14/22 10:22 11/14/22 10:22 11/14/22 10:22	Analyzed 11/15/22 00:10 11/15/22 00:10 11/15/22 00:10	Dil Face 1 1 1 1 Dil Face
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	\$\int \text{49.9}\$ \$\int \text{Result}\$ \$\text{49.9}\$ \$\text{49.9}\$ \$\text{49.9}\$ \$\text{8Recovery}\$	U nics (DRO) Qualifier U U*1	RL 49.9 (GC) RL 49.9 49.9 Limits	mg/Kg Unit mg/Kg mg/Kg		Prepared 11/14/22 10:22 11/14/22 10:22 11/14/22 10:22 Prepared	Analyzed 11/15/22 13:49 Analyzed 11/15/22 00:10 11/15/22 00:10 Analyzed	Dil Fac
Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	<49.9 sel Range Orga Result <49.9 <49.9 <49.9 *Recovery 117 128	Unics (DRO) Qualifier U *1 U Qualifier	RL 49.9 (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 11/14/22 10:22 11/14/22 10:22 11/14/22 10:22 Prepared 11/14/22 10:22	Analyzed 11/15/22 00:10 11/15/22 00:10 11/15/22 00:10 Analyzed 11/15/22 00:10	Dil Fac
Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	\$\sel \text{Range Orga Result} \\	Unics (DRO) Qualifier U *1 U Qualifier	RL 49.9 (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 11/14/22 10:22 11/14/22 10:22 11/14/22 10:22 Prepared 11/14/22 10:22	Analyzed 11/15/22 00:10 11/15/22 00:10 11/15/22 00:10 Analyzed 11/15/22 00:10	Dil Fac 1 Dil Fac 1 Dil Fac 1 Dil Fac 1 Dil Fac

Client Sample ID: FS47

Date Collected: 11/08/22 12:20 Date Received: 11/10/22 13:33

Sample Depth: 1'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *- *1	0.00201	mg/Kg		11/16/22 10:35	11/19/22 09:41	1
Toluene	<0.00201	U *- *1	0.00201	mg/Kg		11/16/22 10:35	11/19/22 09:41	1
Ethylbenzene	<0.00201	U *- *1	0.00201	mg/Kg		11/16/22 10:35	11/19/22 09:41	1
m-Xylene & p-Xylene	<0.00402	U *- *1	0.00402	mg/Kg		11/16/22 10:35	11/19/22 09:41	1
o-Xylene	<0.00201	U *- *1	0.00201	mg/Kg		11/16/22 10:35	11/19/22 09:41	1
Xylenes, Total	<0.00402	U *- *1	0.00402	mg/Kg		11/16/22 10:35	11/19/22 09:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130			11/16/22 10:35	11/19/22 09:41	1

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Lab Sample ID: 890-3426-47

Matrix: Solid

Client Sample Results

 Client: Ensolum
 Job ID: 890-3426-1

 Project/Site: Nash 36
 SDG: 03E1558117

Client Sample ID: FS47 Lab Sample ID: 890-3426-47

Date Collected: 11/08/22 12:20 Matrix: Solid
Date Received: 11/10/22 13:33

Sample Depth: 1'

Method: SW846 8021B - Volati	le Organic Comp	ounds (GC) (Continued)					
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	101		70 - 130			11/16/22 10:35	11/19/22 09:41	1
Method: TAL SOP Total BTEX	- Total BTEX Cal	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			11/21/22 18:12	1

Method: SW846 8015 NM - Diesel Ra	ınge Organi	ics (DRO) (G	C)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	62.6		50.0	mg/Kg			11/15/22 13:49	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/14/22 10:22	11/15/22 00:31	1
Diesel Range Organics (Over C10-C28)	62.6	*1	50.0	mg/Kg		11/14/22 10:22	11/15/22 00:31	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/14/22 10:22	11/15/22 00:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130			11/14/22 10:22	11/15/22 00:31	1

Mathadi MCAMINI 200 0 Aniona I	an Chuamatanuanhi. Cali	ıbla					
Method: MCAWW 300.0 - Anions, I	• • •		11-24	_	D	A l	D!! F
Analyte	Result Qualifier	RL	Unit	_ U	Prepared	Analyzed	Dil Fac
Chloride	5990	99.4	mg/Kg			11/15/22 23:33	20

70 - 130

102

Client Sample ID: FS48

Date Collected: 11/08/22 12:15

Lab Sample ID: 890-3426-48

Matrix: Solid

Date Collected: 11/08/22 12:15 Date Received: 11/10/22 13:33

Sample Depth: 1'

o-Terphenyl

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *- *1	0.00200	mg/Kg		11/16/22 10:35	11/19/22 10:08	1
Toluene	<0.00200	U *- *1	0.00200	mg/Kg		11/16/22 10:35	11/19/22 10:08	1
Ethylbenzene	<0.00200	U *- *1	0.00200	mg/Kg		11/16/22 10:35	11/19/22 10:08	1
m-Xylene & p-Xylene	<0.00401	U *- *1	0.00401	mg/Kg		11/16/22 10:35	11/19/22 10:08	1
o-Xylene	<0.00200	U *- *1	0.00200	mg/Kg		11/16/22 10:35	11/19/22 10:08	1
Xylenes, Total	<0.00401	U *- *1	0.00401	mg/Kg		11/16/22 10:35	11/19/22 10:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130			11/16/22 10:35	11/19/22 10:08	1
1,4-Difluorobenzene (Surr)	93		70 - 130			11/16/22 10:35	11/19/22 10:08	1
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			11/21/22 18:12	

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

 Analyte
 Result
 Qualifier
 RL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 Total TPH
 <50.0</td>
 U
 50.0
 mg/Kg
 11/15/22 13:49
 1

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11/14/22 10:22

11/15/22 00:31

Lab Sample ID: 890-3426-48

11/15/22 23:39

Client Sample Results

 Client: Ensolum
 Job ID: 890-3426-1

 Project/Site: Nash 36
 SDG: 03E1558117

Client Sample ID: FS48

Date Collected: 11/08/22 12:15 Date Received: 11/10/22 13:33

Sample Depth: 1'

Chloride

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		11/14/22 10:22	11/15/22 00:52	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U *1	50.0	mg/Kg		11/14/22 10:22	11/15/22 00:52	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/14/22 10:22	11/15/22 00:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130			11/14/22 10:22	11/15/22 00:52	1
o-Terphenyl	133	S1+	70 - 130			11/14/22 10:22	11/15/22 00:52	1

101

6190

mg/Kg

8

10

20

13

14

Surrogate Summary

 Client: Ensolum
 Job ID: 890-3426-1

 Project/Site: Nash 36
 SDG: 03E1558117

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid				Prep Type: Total/NA
				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
_ab Sample ID	Client Sample ID	(70-130)	(70-130)	
390-3426-1	FS01	101	92	
90-3426-1 MS	FS01	109	96	
90-3426-1 MSD	FS01	101	98	
90-3426-2	FS02	107	85	
990-3426-3	FS03	115	92	
90-3426-4	FS04	99	89	
390-3426-5	FS05	118	84	
390-3426-6	FS06	112	91	
390-3426-7	FS07	126	106	
890-3426-8	FS08	119	88	
390-3426-9	FS09	117	100	
890-3426-10	FS10	119	97	
890-3426-11	FS11	97	82	
390-3426-12	FS12	109	107	
890-3426-13	FS13	112	95	
890-3426-14	FS14	110	90	
890-3426-15	FS15	135 S1+	99	
890-3426-16	FS16	140 S1+	97	
890-3426-17	FS17	139 S1+	101	
890-3426-18	FS18	124	100	
390-3426-19	FS19	110	96	
390-3426-20	FS20	134 S1+	98	
390-3426-21	FS21	107	100	
890-3426-21 MS	FS21	144 S1+	112	
390-3426-21 MSD	FS21	92	95	
890-3426-22	FS22	118	106	
890-3426-23	FS23	113	108	
390-3426-24	FS24	125	112	
390-3426-25	FS25	112	110	
890-3426-26	FS26	112	110	
890-3426-27	FS27	121	106	
890-3426-28	FS28	112	106	
890-3426-29	FS29	122	105	
890-3426-30	FS30	114	117	
890-3426-31	FS31	110	96	
890-3426-32	FS32	122	109	
890-3426-33	FS33	115	107	
890-3426-34	FS34	119	82	
890-3426-35	FS35	125	103	
390-3426-36	FS36	119	104	
390-3426-37	FS37	127	107	
390-3426-38	FS38	127	97	
390-3426-39	FS39	114	105	
890-3426-40	FS40	119	109	
890-3426-41	FS41	97	93	
890-3426-41 MS	FS41	97	103	
890-3426-41 MSD	FS41	116	103	
390-3426-42	FS42	108	97	
390-3426-43	FS43	109	97	

Surrogate Summary

 Client: Ensolum
 Job ID: 890-3426-1

 Project/Site: Nash 36
 SDG: 03E1558117

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-3426-44	FS44	114	94	
890-3426-45	FS45	112	103	
890-3426-46	FS46	97	95	
890-3426-47	FS47	109	101	
890-3426-48	FS48	87	93	
LCS 880-39649/1-A	Lab Control Sample	122	109	
LCS 880-39650/1-A	Lab Control Sample	88	98	
LCS 880-39696/1-A	Lab Control Sample	92	88	
LCSD 880-39649/2-A	Lab Control Sample Dup	121	105	
LCSD 880-39650/2-A	Lab Control Sample Dup	93	100	
LCSD 880-39696/2-A	Lab Control Sample Dup	121	101	
MB 880-39649/5-A	Method Blank	69 S1-	94	
MB 880-39650/5-A	Method Blank	107	94	
MB 880-39696/5-A	Method Blank	66 S1-	89	
MB 880-39922/5-A	Method Blank	63 S1-	94	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

		405:	OTDII:	Percent Surrogate Recovery (Acceptance Limits
		1CO1	OTPH1	
ab Sample ID	Client Sample ID	(70-130)	(70-130)	
90-3426-1	FS01	114	108	
90-3426-1 MS	FS01	86	77	
90-3426-1 MSD	FS01	100	87	
90-3426-2	FS02	112	107	
90-3426-3	FS03	104	100	
90-3426-4	FS04	105	96	
90-3426-5	FS05	118	110	
90-3426-6	FS06	116	108	
90-3426-7	FS07	117	110	
90-3426-8	FS08	104	97	
90-3426-9	FS09	117	110	
0-3426-10	FS10	115	107	
90-3426-11	FS11	99	93	
90-3426-12	FS12	115	108	
90-3426-13	FS13	113	107	
90-3426-14	FS14	119	115	
90-3426-15	FS15	101	94	
90-3426-16	FS16	111	105	
90-3426-17	FS17	102	98	
90-3426-18	FS18	103	101	
90-3426-19	FS19	102	98	
90-3426-20	FS20	111	102	
90-3426-21	FS21	103	106	
90-3426-21 MS	FS21	96	88	
90-3426-21 MSD	FS21	101	91	

Surrogate Summary

Client: Ensolum Job ID: 890-3426-1 Project/Site: Nash 36 SDG: 03E1558117

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1001	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-3426-22	FS22	97	97	
390-3426-23	FS23	98	97	
890-3426-24	FS24	102	101	
890-3426-25	FS25	95	95	
890-3426-26	FS26	96	95	
890-3426-27	FS27	103	102	
390-3426-28	FS28	113	115	
890-3426-29	FS29	101	99	
390-3426-30	FS30	98	96	
390-3426-31	FS31	95	95	
390-3426-32	FS32	98	96	
890-3426-33	FS33	99	100	
890-3426-34	FS34	97	95	
890-3426-35	FS35	108	110	
890-3426-36	FS36	109	111	
890-3426-37	FS37	94	94	
390-3426-38	FS38	107	111	
390-3426-39	FS39	92	91	
390-3426-40	FS40	94	93	
390-3426-41	FS41	93	100	
890-3426-41 MS	FS41	86	83	
390-3426-41 MSD	FS41	85	81	
890-3426-42	FS42	87	92	
390-3426-43	FS43	92	99	
390-3426-44	FS44	97	103	
890-3426-45	FS45	126	137 S1+	
390-3426-46	FS46	117	128	
890-3426-47	FS47	95	102	
890-3426-48	FS48	120	133 S1+	
LCS 880-39418/2-A	Lab Control Sample	97	110	
LCS 880-39456/2-A	Lab Control Sample	103	101	
LCS 880-39457/2-A	Lab Control Sample	121	128	
_CSD 880-39418/3-A	Lab Control Sample Dup	115	135 S1+	
_CSD 880-39456/3-A	Lab Control Sample Dup	114	110	
LCSD 880-39457/3-A	Lab Control Sample Dup	133 S1+	144 S1+	
MB 880-39418/1-A	Method Blank	89	97	
MB 880-39456/1-A	Method Blank	98	94	
MB 880-39457/1-A	Method Blank	96	97	
			٠.	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: Ensolum Job ID: 890-3426-1 Project/Site: Nash 36 SDG: 03E1558117

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-39649/5-A

Lab Sample ID: LCS 880-39649/1-A

Matrix: Solid

Matrix: Solid Analysis Batch: 39665 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 39649

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:34	11/16/22 12:08	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:34	11/16/22 12:08	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:34	11/16/22 12:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		11/15/22 16:34	11/16/22 12:08	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:34	11/16/22 12:08	1
Xylenes, Total	< 0.00400	U	0.00400	mg/Kg		11/15/22 16:34	11/16/22 12:08	1

MB MB

	Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	4-Bromofluorobenzene (Surr)	69	S1-	70 - 130	11/15/22 16:3	34 11/16/22 12:08	1
١	1,4-Difluorobenzene (Surr)	94		70 - 130	11/15/22 16:	34 11/16/22 12:08	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 39649

Analysis Batch: 39665 LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.1099 mg/Kg 110 70 - 130 Toluene 0.100 0.1132 mg/Kg 113 70 - 130 0.100 Ethylbenzene 0.1116 mg/Kg 112 70 - 130 0.200 0.2484 124 70 - 130 m-Xylene & p-Xylene mg/Kg 0.100 0.1233 123 70 - 130 o-Xylene mg/Kg

LCS LCS

Surrogate	%Recovery Qual	lifier Limits
4-Bromofluorobenzene (Surr)	122	70 - 130
1,4-Difluorobenzene (Surr)	109	70 - 130

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 39665

Lab Sample ID: LCSD 880-39649/2-A

Prep Type: Total/NA Prep Batch: 39649

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.1111		mg/Kg		111	70 - 130	1	35	
Toluene	0.100	0.1121		mg/Kg		112	70 - 130	1	35	
Ethylbenzene	0.100	0.1127		mg/Kg		113	70 - 130	1	35	
m-Xylene & p-Xylene	0.200	0.2569		mg/Kg		128	70 - 130	3	35	
o-Xylene	0.100	0.1280		mg/Kg		128	70 - 130	4	35	

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	121	70 - 130
1.4-Difluorobenzene (Surr)	105	70 - 130

Lab Sample ID: 890-3426-1 MS

Matrix: Solid

Analysis Batch: 39665

Client Sample ID: FS01 Prep Type: Total/NA

Prep Batch: 39649

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U	0.0998	0.08276		mg/Kg		83	70 - 130	
Toluene	<0.00200	U	0.0998	0.09215		mg/Kg		92	70 - 130	

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Client: Ensolum Job ID: 890-3426-1 Project/Site: Nash 36 SDG: 03E1558117

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

Lab Sample ID: 890-3426-1 MS **Matrix: Solid**

Analysis Batch: 39665

Client Sample ID: FS01 Prep Type: Total/NA

Prep Batch: 39649

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Ethylbenzene <0.00200 U 0.0998 0.08843 89 70 - 130 mg/Kg m-Xylene & p-Xylene <0.00401 U 0.200 0.1959 mg/Kg 98 70 - 130 0.0998 o-Xylene <0.00200 U 0.09451 95 70 - 130 mg/Kg

MS MS

Surrogate %Recovery Qualifier Limits 70 - 130 4-Bromofluorobenzene (Surr) 109 70 - 130 1,4-Difluorobenzene (Surr) 96

Lab Sample ID: 890-3426-1 MSD

Matrix: Solid

Analysis Batch: 39665

Client Sample ID: FS01 Prep Type: Total/NA

Prep Batch: 39649 RPD

Sample Sample Spike MSD MSD Result Qualifier Result Qualifier %Rec RPD Limit Analyte Added Unit Limits Benzene <0.00200 U 0.0996 0.08858 mg/Kg 89 70 - 130 7 35 0.09828 Toluene <0.00200 0.0996 mg/Kg 99 70 - 130 6 35 Ethylbenzene <0.00200 U 0.0996 0.09239 mg/Kg 93 70 - 130 35 4 0.199 0.2034 70 - 130 35 m-Xylene & p-Xylene <0.00401 U mg/Kg 102 0.0996 <0.00200 U 0.09872 70 - 130 o-Xylene mg/Kg 99

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: MB 880-39650/5-A

Matrix: Solid

Analysis Batch: 39617

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 39650

	MB	MR						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:36	11/16/22 11:23	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:36	11/16/22 11:23	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:36	11/16/22 11:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		11/15/22 16:36	11/16/22 11:23	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/15/22 16:36	11/16/22 11:23	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/15/22 16:36	11/16/22 11:23	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	11/15/22 16:36	11/16/22 11:23	1
1,4-Difluorobenzene (Surr)	94		70 - 130	11/15/22 16:36	11/16/22 11:23	1

Lab Sample ID: LCS 880-39650/1-A

Matrix: Solid

Analysis Batch: 39617

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 39650

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09014		mg/Kg		90	70 - 130	
Toluene	0.100	0.09341		mg/Kg		93	70 - 130	
Ethylbenzene	0.100	0.09040		mg/Kg		90	70 - 130	
m-Xylene & p-Xylene	0.200	0.1785		mg/Kg		89	70 - 130	

Client: Ensolum Job ID: 890-3426-1 SDG: 03E1558117 Project/Site: Nash 36

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

Lab Sample ID: LCS 880-39650/1-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Total/NA** Prep Batch: 39650 Analysis Batch: 39617

	Spike	LCS LCS				%Rec	
Analyte	Added	Result Qualifier	Unit	D	%Rec	Limits	
o-Xylene	0.100	0.09978	mg/Kg		100	70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	88		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: LCSD 880-39650/2-A **Client Sample ID: Lab Control Sample Dup Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 39617

Analysis Batch: 39617							Prep	Batch:	39650
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.08820		mg/Kg		88	70 - 130	2	35
Toluene	0.100	0.09091		mg/Kg		91	70 - 130	3	35
Ethylbenzene	0.100	0.09480		mg/Kg		95	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.1845		mg/Kg		92	70 - 130	3	35
o-Xylene	0.100	0.1046		mg/Kg		105	70 - 130	5	Limit 2 35 3 35 5 35 3 35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 890-3426-21 MS Client Sample ID: FS21 Matrix: Solid **Prep Type: Total/NA**

Analysis Batch: 39617 Prep Batch: 39650

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U	0.0996	0.07875		mg/Kg		79	70 - 130	
Toluene	<0.00200	U	0.0996	0.09716		mg/Kg		98	70 - 130	
Ethylbenzene	<0.00200	U	0.0996	0.1192		mg/Kg		120	70 - 130	
m-Xylene & p-Xylene	<0.00401	U	0.199	0.2496		mg/Kg		125	70 - 130	
o-Xylene	<0.00200	U F2 F1	0.0996	0.1465	F1	mg/Kg		147	70 - 130	

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	144	S1+	70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: 890-3426-21 MSD **Client Sample ID: FS21 Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 39617

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	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U	0.0998	0.09091		mg/Kg		91	70 - 130	14	35
Toluene	<0.00200	U	0.0998	0.09202		mg/Kg		92	70 - 130	5	35
Ethylbenzene	<0.00200	U	0.0998	0.09025		mg/Kg		90	70 - 130	28	35
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1770		mg/Kg		89	70 - 130	34	35
o-Xylene	<0.00200	U F2 F1	0.0998	0.1002	F2	mg/Kg		100	70 - 130	38	35

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Prep Batch: 39650

QC Sample Results

Client: Ensolum Job ID: 890-3426-1 SDG: 03E1558117 Project/Site: Nash 36

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

Lab Sample ID: 890-3426-21 MSD

Matrix: Solid

Analysis Batch: 39617

Client Sample ID: FS21 **Prep Type: Total/NA**

Prep Batch: 39650

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: MB 880-39696/5-A

Matrix: Solid

Analysis Batch: 39930

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 39696

мв мв

Analyte	Result (Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/16/22 10:35	11/19/22 06:32	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/16/22 10:35	11/19/22 06:32	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/16/22 10:35	11/19/22 06:32	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		11/16/22 10:35	11/19/22 06:32	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/16/22 10:35	11/19/22 06:32	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/16/22 10:35	11/19/22 06:32	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	66	S1-	70 - 130	11/16/22 10:35	11/19/22 06:32	1
1,4-Difluorobenzene (Surr)	89		70 - 130	11/16/22 10:3	11/19/22 06:32	1

Lab Sample ID: LCS 880-39696/1-A

Matrix: Solid

Analysis Batch: 39930

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 39696

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.02233	*-	mg/Kg		22	70 - 130	
Toluene	0.100	0.02593	*_	mg/Kg		26	70 - 130	
Ethylbenzene	0.100	0.02451	*_	mg/Kg		25	70 - 130	
m-Xylene & p-Xylene	0.200	0.05600	*_	mg/Kg		28	70 - 130	
o-Xylene	0.100	0.03046	*_	mg/Kg		30	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	92	70 - 130
1,4-Difluorobenzene (Surr)	88	70 - 130

Lab Sample ID: LCSD 880-39696/2-A

Matrix: Solid

Analysis Batch: 39930

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 39696

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1046	*1	mg/Kg		105	70 - 130	130	35
Toluene	0.100	0.09291	*1	mg/Kg		93	70 - 130	113	35
Ethylbenzene	0.100	0.09366	*1	mg/Kg		94	70 - 130	117	35
m-Xylene & p-Xylene	0.200	0.2040	*1	mg/Kg		102	70 - 130	114	35
o-Xylene	0.100	0.09928	*1	mg/Kg		99	70 - 130	106	35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	121		70 - 130

Client: Ensolum Job ID: 890-3426-1 Project/Site: Nash 36 SDG: 03E1558117

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

Lab Sample ID: LCSD 880-39696/2-A

Matrix: Solid

Analysis Batch: 39930

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 39696

LCSD LCSD

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

Lab Sample ID: 890-3426-41 MS

Matrix: Solid

Analysis Batch: 39930

Client Sample ID: FS41 Prep Type: Total/NA

Prep Batch: 39696

MS MS Sample Sample Spike %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Benzene <0.00201 U *- *1 0.0996 0.07063 mg/Kg 71 70 - 130 Toluene <0.00201 U *- *1 0.0996 0.07216 72 70 - 130 mg/Kg Ethylbenzene <0.00201 U*-*1F1 0.0996 0.06604 F1 mg/Kg 66 70 - 130 <0.00402 U *- *1 0.199 71 70 - 130 m-Xylene & p-Xylene 0.1432 mg/Kg o-Xylene <0.00201 U*-*1F1 0.0996 0.06777 F1 mg/Kg 68 70 - 130

MS MS

Surrogate	%Recovery Qual	ifier Limits
4-Bromofluorobenzene (Surr)	97	70 - 130
1,4-Difluorobenzene (Surr)	103	70 - 130

Lab Sample ID: 890-3426-41 MSD Client Sample ID: FS41

Matrix: Solid

Analysis Batch: 39930

Prep Type: Total/NA

Prep Batch: 39696

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00201	U *- *1	0.0990	0.08846		mg/Kg		89	70 - 130	22	35
Toluene	<0.00201	U *- *1	0.0990	0.08772		mg/Kg		89	70 - 130	19	35
Ethylbenzene	<0.00201	U *- *1 F1	0.0990	0.08185		mg/Kg		83	70 - 130	21	35
m-Xylene & p-Xylene	<0.00402	U *- *1	0.198	0.1804		mg/Kg		90	70 - 130	23	35
o-Xylene	<0.00201	U *- *1 F1	0.0990	0.08452		mg/Kg		85	70 - 130	22	35

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: MB 880-39922/5-A

Matrix: Solid

Analysis Batch: 39930

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

Prep Batch: 39922

ı		IVID	IVID						
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Benzene	<0.00200	U	0.00200	mg/Kg		11/18/22 12:17	11/18/22 17:10	1
	Toluene	<0.00200	U	0.00200	mg/Kg		11/18/22 12:17	11/18/22 17:10	1
	Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/18/22 12:17	11/18/22 17:10	1
	m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		11/18/22 12:17	11/18/22 17:10	1
	o-Xylene	<0.00200	U	0.00200	mg/Kg		11/18/22 12:17	11/18/22 17:10	1
	Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/18/22 12:17	11/18/22 17:10	1
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Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	63	S1-	70 - 130	11/18/22 12:17	11/18/22 17:10	1
1,4-Difluorobenzene (Surr)	94		70 - 130	11/18/22 12:17	11/18/22 17:10	1

Client: Ensolum Job ID: 890-3426-1 SDG: 03E1558117 Project/Site: Nash 36

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

Lab Sample ID: MB 880-39418/1-A

Matrix: Solid Analysis Batch: 39385

Client Sample ID: Method Blank Prep Type: Total/NA Prep Batch: 39418

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		11/14/22 10:22	11/14/22 20:35	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		11/14/22 10:22	11/14/22 20:35	1
C10-C28)								
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/14/22 10:22	11/14/22 20:35	1
	МВ	MB						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130			11/14/22 10:22	11/14/22 20:35	1
o-Terphenvl	97		70 - 130			11/14/22 10:22	11/14/22 20:35	1

Lab Sample ID: LCS 880-39418/2-A **Client Sample ID: Lab Control Sample Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 39385

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	1000	860.5		mg/Kg		86	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	886.1		mg/Kg		89	70 - 130	

	LCS		
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenvl	110		70 - 130

Lab Sample ID: LCSD 880-39418/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 39385							Prep	Batch:	39418
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	889.3		mg/Kg		89	70 - 130	3	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	1112	*1	mg/Kg		111	70 - 130	23	20
C10-C28)									

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	115		70 - 130
o-Terphenyl	135	S1+	70 - 130

Lab Sample ID: 890-3426-41 MS Client Sample ID: FS41

Matrix: Solid

Analysis Batch: 39385									Prep	Batch: 39418
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	<50.0	U	997	858.3	-	mg/Kg		86	70 - 130	
(GRO)-C6-C10										
Diesel Range Organics (Over	<50.0	U *1	997	950.3		mg/Kg		94	70 - 130	
C10-C28)										

Eurofins Carlsbad

Prep Type: Total/NA

Prep Batch: 39418

Prep Type: Total/NA

Prep Batch: 39418

Prep Type: Total/NA

Prep Batch: 39456

Client: Ensolum Job ID: 890-3426-1 SDG: 03E1558117 Project/Site: Nash 36

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

Lab Sample ID: 890-3426-41 MS Client Sample ID: FS41 **Prep Type: Total/NA**

Matrix: Solid

Analysis Batch: 39385

MS	MS	
%Recovery	Qualifier	Limits
86		70 - 130
83		70 - 130

Lab Sample ID: 890-3426-41 MSD Client Sample ID: FS41

Matrix: Solid

Surrogate 1-Chlorooctane o-Terphenyl

Analysis Batch: 39385									Prep	Batch:	39418
	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	853.4		mg/Kg		85	70 - 130	1	20
(GRO)-C6-C10											
Diesel Range Organics (Over	<50.0	U *1	999	939.7		mg/Kg		93	70 - 130	1	20

C10-C28)

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	85		70 - 130
o-Terphenyl	81		70 - 130

Lab Sample ID: MB 880-39456/1-A Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 39571

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		11/14/22 12:06	11/15/22 08:22	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		11/14/22 12:06	11/15/22 08:22	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/14/22 12:06	11/15/22 08:22	1

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	11/14/22 12:06	11/15/22 08:22	1
o-Terphenyl	94		70 - 130	11/14/22 12:06	11/15/22 08:22	1

Lab Sample ID: LCS 880-39456/2-A **Client Sample ID: Lab Control Sample Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 39571							Prep	Batch: 39456
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	849.1		mg/Kg		85	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	966.8		mg/Kg		97	70 - 130	
C10-C28)								

Surrogate	%Recovery	LCS Qualifier	
Surrogate	76Recovery	Qualifier	

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	101		70 - 130

Client: Ensolum Job ID: 890-3426-1 SDG: 03E1558117 Project/Site: Nash 36

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

Lab Sample ID: LCSD 880-39456/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid Analysis Batch: 39571 Prep Type: Total/NA Prep Batch: 39456

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	909.1		mg/Kg		91	70 - 130	7	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	1059		mg/Kg		106	70 - 130	9	20
C10-C28)									

LCSD LCSD Surrogate %Recovery Qualifier Limits 70 - 130 1-Chlorooctane 114 o-Terphenyl 110 70 - 130

Client Sample ID: FS01 Lab Sample ID: 890-3426-1 MS

Matrix: Solid Prep Type: Total/NA **Analysis Batch: 39571** Prep Batch: 39456

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2	997	813.7		mg/Kg		79	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U	997	907.3		mg/Kg		91	70 - 130	

MS MS %Recovery Qualifier Limits Surrogate 1-Chlorooctane 86 70 - 130 o-Terphenyl 77 70 - 130

Client Sample ID: FS01 Lab Sample ID: 890-3426-1 MSD **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 39571 Prep Batch: 39456 Snika MSD MSD Sample Sample

	Gampic	Cumpic	Opino	WICD	MOD				701100		IXI D
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	<50.0	U F2	999	1039	F2	mg/Kg		102	70 - 130	24	20
(GRO)-C6-C10											
Diesel Range Organics (Over	<50.0	U	999	1039		mg/Kg		104	70 - 130	14	20
C10-C28)											

MSD MSD

Surrogate	%Recovery Qua	lifier Limits
1-Chlorooctane	100	70 - 130
o-Terphenyl	87	70 - 130

Lab Sample ID: MB 880-39457/1-A Client Sample ID: Method Blank Matrix: Solid Prep Type: Total/NA

Analysis Batch: 39573

Prep Batch: 39457 MB MB

Analyte Re	sult	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics <	50.0	U	50.0	mg/Kg	_	11/14/22 12:10	11/15/22 08:22	1
(GRO)-C6-C10								
Diesel Range Organics (Over <	50.0	U	50.0	mg/Kg		11/14/22 12:10	11/15/22 08:22	1
C10-C28)								
Oll Range Organics (Over C28-C36)	50.0	U	50.0	mg/Kg		11/14/22 12:10	11/15/22 08:22	1

Client: Ensolum Job ID: 890-3426-1 SDG: 03E1558117 Project/Site: Nash 36

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

Lab Sample ID: MB 880-39457/1-A

Matrix: Solid

Analysis Batch: 39573

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 39457

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	11/14/22 12:10	11/15/22 08:22	1
o-Terphenyl	97		70 - 130	11/14/22 12:10	11/15/22 08:22	1

Lab Sample ID: LCS 880-39457/2-A

Matrix: Solid

Analysis Batch: 39573

Client	Sample	ID:	Lab	Control	Sample
			D	. 	T-4-1/81A

Prep Type: Total/NA Prep Batch: 39457

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1082		mg/Kg	_	108	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1131		mg/Kg		113	70 - 130	
C10-C28)								

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	121		70 - 130
o-Terphenyl	128		70 - 130

Client Sample ID: Lab Control Sample Dup Lab Sample ID: LCSD 880-39457/3-A

Matrix: Solid

Analysis Batch: 39573

Prep Type: Total/NA

Prep Batch: 39457

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	978.3		mg/Kg		98	70 - 130	10	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	1270		mg/Kg		127	70 - 130	12	20
C10-C28)									

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	133	S1+	70 - 130
o-Temhenyl	144	S1+	70 130

Lab Sample ID: 890-3426-21 MS Client Sample ID: FS21 **Matrix: Solid**

Prep Type: Total/NA Prep Batch: 39457

Analysis Batch: 39573

ı		Sample	Sample	Spike	MS	MS				%Rec		
	Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
	Gasoline Range Organics	<50.0	U	997	1105		mg/Kg		109	70 - 130		_
	(GRO)-C6-C10											
	Diesel Range Organics (Over	<50.0	U	997	1049		mg/Kg		101	70 - 130		
П	040,000)											

C10-C28)

MS MS

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	96	70 - 130
o-Terphenyl	88	70 - 130

Client: Ensolum Job ID: 890-3426-1 Project/Site: Nash 36 SDG: 03E1558117

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

Lab Sample ID: 890-3426-21 MSD Client Sample ID: FS21 **Matrix: Solid** Prep Type: Total/NA Analysis Batch: 39573 Prep Batch: 39457

	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	1065		mg/Kg		105	70 - 130	4	20
(GRO)-C6-C10											
Diesel Range Organics (Over	<50.0	U	999	1124		mg/Kg		108	70 - 130	7	20
C10-C28)											

	MSD MS	SD
Surrogate	%Recovery Qu	alifier Limits
1-Chlorooctane	101	70 - 130
o-Terphenyl	91	70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-39445/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 39628

мв мв Analyte Result Qualifier RL Unit Dil Fac Prepared Analyzed Chloride <5.00 U 5.00 mg/Kg 11/15/22 15:19

Lab Sample ID: LCS 880-39445/2-A **Client Sample ID: Lab Control Sample Prep Type: Soluble Matrix: Solid**

Analysis Batch: 39628

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	261.6		mg/Kg		105	90 - 110	

Lab Sample ID: LCSD 880-39445/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 39628

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	250	265.7		ma/Ka		106	90 110		20	

Lab Sample ID: 890-3426-1 MS **Client Sample ID: FS01 Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 39628

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	1840		2530	4416		ma/Ka		102	90 110	

Lab Sample ID: 890-3426-1 MSD **Client Sample ID: FS01 Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 39628

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	1840		2530	4470		mg/Kg		104	90 - 110	1	20

QC Sample Results

Job ID: 890-3426-1 Client: Ensolum Project/Site: Nash 36 SDG: 03E1558117

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-3426-11 MS Client Sample ID: FS11 **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 39628

Sample Sample Spike MS MS %Rec Result Qualifier Analyte Added Result Qualifier Unit D %Rec Limits Chloride 428 1250 1686 mg/Kg 100 90 - 110

Lab Sample ID: 890-3426-11 MSD Client Sample ID: FS11 **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 39628

Sample Sample Spike MSD MSD %Rec RPD Qualifier Analyte Result Added Result Qualifier Unit D %Rec Limits RPD Limit Chloride 428 1250 1714 mg/Kg 103 90 - 110

Lab Sample ID: MB 880-39446/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 39633

мв мв Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Chloride <5.00 U 5.00 11/15/22 18:50 mg/Kg

Lab Sample ID: LCS 880-39446/2-A **Client Sample ID: Lab Control Sample Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 39633

LCS LCS Spike %Rec Added Analyte Result Qualifier Unit %Rec Limits Chloride 250 261.0 104 90 - 110 mg/Kg

Lab Sample ID: LCSD 880-39446/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 39633

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 271.6 mg/Kg 109 90 - 110

Lab Sample ID: 890-3426-21 MS Client Sample ID: FS21 **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 39633

Sample Sample Spike MS MS %Rec Qualifier Added Analyte Result Result Qualifier Unit D %Rec Limits Chloride 5820 5000 10760 mg/Kg 99 90 - 110

Lab Sample ID: 890-3426-21 MSD Client Sample ID: FS21 **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 39633

MSD MSD %Rec RPD Sample Sample Spike Result Qualifier Added Result Qualifier Limits RPD Limit Analyte Unit D %Rec Chloride 5820 5000 10700 mg/Kg 98 90 - 110 20

Lab Sample ID: 890-3426-31 MS Client Sample ID: FS31 **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 39633

Spike MS MS %Rec Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Chloride 5430 F1 2490 9268 F1 mg/Kg 154 90 - 110

QC Sample Results

Client: Ensolum Job ID: 890-3426-1 Project/Site: Nash 36 SDG: 03E1558117

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-3426-31 MSD Client Sample ID: FS31 **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 39633

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	5430	F1	2490	9329	F1	mg/Kg		157	90 - 110	1	20

Lab Sample ID: MB 880-39447/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 39640

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			11/15/22 22:08	1

Lab Sample ID: LCS 880-39447/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 39640

LCS LCS %Rec Spike Analyte Added Result Qualifier Unit Limits Chloride 250 263.6 105 90 - 110 mg/Kg

Lab Sample ID: LCSD 880-39447/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 39640

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	262.6		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 880-21469-A-1-C MS Client Sample ID: Matrix Spike **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 39640

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	2030		1260	3313	-	ma/Ka		102	90 - 110		_

Lab Sample ID: 880-21469-A-1-D MSD Client Sample ID: Matrix Spike Duplicate **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 39640

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	2030		1260	3383		ma/Ka		107	90 - 110		20	

 Client: Ensolum
 Job ID: 890-3426-1

 Project/Site: Nash 36
 SDG: 03E1558117

GC VOA

Analysis Batch: 39617

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3426-21	FS21	Total/NA	Solid	8021B	39650
890-3426-22	FS22	Total/NA	Solid	8021B	39650
890-3426-23	FS23	Total/NA	Solid	8021B	39650
890-3426-24	FS24	Total/NA	Solid	8021B	39650
890-3426-25	FS25	Total/NA	Solid	8021B	39650
890-3426-26	FS26	Total/NA	Solid	8021B	39650
890-3426-27	FS27	Total/NA	Solid	8021B	39650
890-3426-28	FS28	Total/NA	Solid	8021B	39650
890-3426-29	FS29	Total/NA	Solid	8021B	39650
890-3426-30	FS30	Total/NA	Solid	8021B	39650
890-3426-31	FS31	Total/NA	Solid	8021B	39650
890-3426-32	FS32	Total/NA	Solid	8021B	39650
890-3426-33	FS33	Total/NA	Solid	8021B	39650
890-3426-34	FS34	Total/NA	Solid	8021B	39650
890-3426-35	FS35	Total/NA	Solid	8021B	39650
890-3426-36	FS36	Total/NA	Solid	8021B	39650
890-3426-37	FS37	Total/NA	Solid	8021B	39650
890-3426-38	FS38	Total/NA	Solid	8021B	39650
890-3426-39	FS39	Total/NA	Solid	8021B	39650
890-3426-40	FS40	Total/NA	Solid	8021B	39650
MB 880-39650/5-A	Method Blank	Total/NA	Solid	8021B	39650
LCS 880-39650/1-A	Lab Control Sample	Total/NA	Solid	8021B	39650
LCSD 880-39650/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	39650
890-3426-21 MS	FS21	Total/NA	Solid	8021B	39650
890-3426-21 MSD	FS21	Total/NA	Solid	8021B	39650

Prep Batch: 39649

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
890-3426-1	FS01	Total/NA	Solid	5035	
890-3426-2	FS02	Total/NA	Solid	5035	
890-3426-3	FS03	Total/NA	Solid	5035	
890-3426-4	FS04	Total/NA	Solid	5035	
890-3426-5	FS05	Total/NA	Solid	5035	
890-3426-6	FS06	Total/NA	Solid	5035	
890-3426-7	FS07	Total/NA	Solid	5035	
890-3426-8	FS08	Total/NA	Solid	5035	
890-3426-9	FS09	Total/NA	Solid	5035	
890-3426-10	FS10	Total/NA	Solid	5035	
390-3426-11	FS11	Total/NA	Solid	5035	
890-3426-12	FS12	Total/NA	Solid	5035	
890-3426-13	FS13	Total/NA	Solid	5035	
890-3426-14	FS14	Total/NA	Solid	5035	
890-3426-15	FS15	Total/NA	Solid	5035	
390-3426-16	FS16	Total/NA	Solid	5035	
890-3426-17	FS17	Total/NA	Solid	5035	
890-3426-18	FS18	Total/NA	Solid	5035	
890-3426-19	FS19	Total/NA	Solid	5035	
390-3426-20	FS20	Total/NA	Solid	5035	
MB 880-39649/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-39649/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-39649/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

 Client: Ensolum
 Job ID: 890-3426-1

 Project/Site: Nash 36
 SDG: 03E1558117

GC VOA (Continued)

Prep Batch: 39649 (Continued)

	Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
	890-3426-1 MS	FS01	Total/NA	Solid	5035	
İ	890-3426-1 MSD	FS01	Total/NA	Solid	5035	

Prep Batch: 39650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
890-3426-21	FS21	Total/NA	Solid	5035	
890-3426-22	FS22	Total/NA	Solid	5035	
890-3426-23	FS23	Total/NA	Solid	5035	
890-3426-24	FS24	Total/NA	Solid	5035	
890-3426-25	FS25	Total/NA	Solid	5035	
890-3426-26	FS26	Total/NA	Solid	5035	
890-3426-27	FS27	Total/NA	Solid	5035	
890-3426-28	FS28	Total/NA	Solid	5035	
890-3426-29	FS29	Total/NA	Solid	5035	
890-3426-30	FS30	Total/NA	Solid	5035	
890-3426-31	FS31	Total/NA	Solid	5035	
890-3426-32	FS32	Total/NA	Solid	5035	
890-3426-33	FS33	Total/NA	Solid	5035	
890-3426-34	FS34	Total/NA	Solid	5035	
890-3426-35	FS35	Total/NA	Solid	5035	
890-3426-36	FS36	Total/NA	Solid	5035	
890-3426-37	FS37	Total/NA	Solid	5035	
890-3426-38	FS38	Total/NA	Solid	5035	
890-3426-39	FS39	Total/NA	Solid	5035	
890-3426-40	FS40	Total/NA	Solid	5035	
MB 880-39650/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-39650/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-39650/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3426-21 MS	FS21	Total/NA	Solid	5035	
890-3426-21 MSD	FS21	Total/NA	Solid	5035	

Analysis Batch: 39665

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3426-1	FS01	Total/NA	Solid	8021B	39649
890-3426-2	FS02	Total/NA	Solid	8021B	39649
890-3426-3	FS03	Total/NA	Solid	8021B	39649
890-3426-4	FS04	Total/NA	Solid	8021B	39649
890-3426-5	FS05	Total/NA	Solid	8021B	39649
890-3426-6	FS06	Total/NA	Solid	8021B	39649
890-3426-7	FS07	Total/NA	Solid	8021B	39649
890-3426-8	FS08	Total/NA	Solid	8021B	39649
890-3426-9	FS09	Total/NA	Solid	8021B	39649
390-3426-10	FS10	Total/NA	Solid	8021B	39649
890-3426-11	FS11	Total/NA	Solid	8021B	39649
390-3426-12	FS12	Total/NA	Solid	8021B	39649
390-3426-13	FS13	Total/NA	Solid	8021B	39649
390-3426-14	FS14	Total/NA	Solid	8021B	39649
390-3426-15	FS15	Total/NA	Solid	8021B	39649
890-3426-16	FS16	Total/NA	Solid	8021B	39649
390-3426-17	FS17	Total/NA	Solid	8021B	39649
390-3426-18	FS18	Total/NA	Solid	8021B	39649

 Client: Ensolum
 Job ID: 890-3426-1

 Project/Site: Nash 36
 SDG: 03E1558117

GC VOA (Continued)

Analysis Batch: 39665 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3426-19	FS19	Total/NA	Solid	8021B	39649
890-3426-20	FS20	Total/NA	Solid	8021B	39649
MB 880-39649/5-A	Method Blank	Total/NA	Solid	8021B	39649
LCS 880-39649/1-A	Lab Control Sample	Total/NA	Solid	8021B	39649
LCSD 880-39649/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	39649
890-3426-1 MS	FS01	Total/NA	Solid	8021B	39649
890-3426-1 MSD	FS01	Total/NA	Solid	8021B	39649

Prep Batch: 39696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3426-41	FS41	Total/NA	Solid	5035	
890-3426-42	FS42	Total/NA	Solid	5035	
890-3426-43	FS43	Total/NA	Solid	5035	
890-3426-44	FS44	Total/NA	Solid	5035	
890-3426-45	FS45	Total/NA	Solid	5035	
890-3426-46	FS46	Total/NA	Solid	5035	
890-3426-47	FS47	Total/NA	Solid	5035	
890-3426-48	FS48	Total/NA	Solid	5035	
MB 880-39696/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-39696/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-39696/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3426-41 MS	FS41	Total/NA	Solid	5035	
890-3426-41 MSD	FS41	Total/NA	Solid	5035	

Analysis Batch: 39734

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
890-3426-1	FS01	Total/NA	Solid	Total BTEX	
890-3426-2	FS02	Total/NA	Solid	Total BTEX	
890-3426-3	FS03	Total/NA	Solid	Total BTEX	
890-3426-4	FS04	Total/NA	Solid	Total BTEX	
890-3426-5	FS05	Total/NA	Solid	Total BTEX	
890-3426-6	FS06	Total/NA	Solid	Total BTEX	
890-3426-7	FS07	Total/NA	Solid	Total BTEX	
890-3426-8	FS08	Total/NA	Solid	Total BTEX	
890-3426-9	FS09	Total/NA	Solid	Total BTEX	
890-3426-10	FS10	Total/NA	Solid	Total BTEX	
890-3426-11	FS11	Total/NA	Solid	Total BTEX	
890-3426-12	FS12	Total/NA	Solid	Total BTEX	
890-3426-13	FS13	Total/NA	Solid	Total BTEX	
890-3426-14	FS14	Total/NA	Solid	Total BTEX	
890-3426-15	FS15	Total/NA	Solid	Total BTEX	
890-3426-16	FS16	Total/NA	Solid	Total BTEX	
890-3426-17	FS17	Total/NA	Solid	Total BTEX	
890-3426-18	FS18	Total/NA	Solid	Total BTEX	
890-3426-19	FS19	Total/NA	Solid	Total BTEX	
890-3426-20	FS20	Total/NA	Solid	Total BTEX	
890-3426-21	FS21	Total/NA	Solid	Total BTEX	
890-3426-22	FS22	Total/NA	Solid	Total BTEX	
890-3426-23	FS23	Total/NA	Solid	Total BTEX	
890-3426-24	FS24	Total/NA	Solid	Total BTEX	
890-3426-25	FS25	Total/NA	Solid	Total BTEX	

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Client: Ensolum Job ID: 890-3426-1 Project/Site: Nash 36 SDG: 03E1558117

GC VOA (Continued)

Analysis Batch: 39734 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3426-26	FS26	Total/NA	Solid	Total BTEX	
890-3426-27	FS27	Total/NA	Solid	Total BTEX	
890-3426-28	FS28	Total/NA	Solid	Total BTEX	
890-3426-29	FS29	Total/NA	Solid	Total BTEX	
890-3426-30	FS30	Total/NA	Solid	Total BTEX	
890-3426-31	FS31	Total/NA	Solid	Total BTEX	
890-3426-32	FS32	Total/NA	Solid	Total BTEX	
890-3426-33	FS33	Total/NA	Solid	Total BTEX	
890-3426-34	FS34	Total/NA	Solid	Total BTEX	
890-3426-35	FS35	Total/NA	Solid	Total BTEX	
890-3426-36	FS36	Total/NA	Solid	Total BTEX	
890-3426-37	FS37	Total/NA	Solid	Total BTEX	
890-3426-38	FS38	Total/NA	Solid	Total BTEX	
890-3426-39	FS39	Total/NA	Solid	Total BTEX	
890-3426-40	FS40	Total/NA	Solid	Total BTEX	
890-3426-41	FS41	Total/NA	Solid	Total BTEX	
890-3426-42	FS42	Total/NA	Solid	Total BTEX	
890-3426-43	FS43	Total/NA	Solid	Total BTEX	
890-3426-44	FS44	Total/NA	Solid	Total BTEX	
890-3426-45	FS45	Total/NA	Solid	Total BTEX	
890-3426-46	FS46	Total/NA	Solid	Total BTEX	
890-3426-47	FS47	Total/NA	Solid	Total BTEX	
890-3426-48	FS48	Total/NA	Solid	Total BTEX	

Prep Batch: 39922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-39922/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 39930

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3426-41	FS41	Total/NA	Solid	8021B	39696
890-3426-42	FS42	Total/NA	Solid	8021B	39696
890-3426-43	FS43	Total/NA	Solid	8021B	39696
890-3426-44	FS44	Total/NA	Solid	8021B	39696
890-3426-45	FS45	Total/NA	Solid	8021B	39696
890-3426-46	FS46	Total/NA	Solid	8021B	39696
890-3426-47	FS47	Total/NA	Solid	8021B	39696
890-3426-48	FS48	Total/NA	Solid	8021B	39696
MB 880-39696/5-A	Method Blank	Total/NA	Solid	8021B	39696
MB 880-39922/5-A	Method Blank	Total/NA	Solid	8021B	39922
LCS 880-39696/1-A	Lab Control Sample	Total/NA	Solid	8021B	39696
LCSD 880-39696/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	39696
890-3426-41 MS	FS41	Total/NA	Solid	8021B	39696
890-3426-41 MSD	FS41	Total/NA	Solid	8021B	39696

GC Semi VOA

Analysis Batch: 39385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3426-41	FS41	Total/NA	Solid	8015B NM	39418
890-3426-42	FS42	Total/NA	Solid	8015B NM	39418

 Client: Ensolum
 Job ID: 890-3426-1

 Project/Site: Nash 36
 SDG: 03E1558117

GC Semi VOA (Continued)

Analysis Batch: 39385 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3426-43	FS43	Total/NA	Solid	8015B NM	39418
890-3426-44	FS44	Total/NA	Solid	8015B NM	39418
890-3426-45	FS45	Total/NA	Solid	8015B NM	39418
890-3426-46	FS46	Total/NA	Solid	8015B NM	39418
890-3426-47	FS47	Total/NA	Solid	8015B NM	39418
890-3426-48	FS48	Total/NA	Solid	8015B NM	39418
MB 880-39418/1-A	Method Blank	Total/NA	Solid	8015B NM	39418
LCS 880-39418/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	39418
LCSD 880-39418/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	39418
890-3426-41 MS	FS41	Total/NA	Solid	8015B NM	39418
890-3426-41 MSD	FS41	Total/NA	Solid	8015B NM	39418

Prep Batch: 39418

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3426-41	FS41	Total/NA	Solid	8015NM Prep	
890-3426-42	FS42	Total/NA	Solid	8015NM Prep	
890-3426-43	FS43	Total/NA	Solid	8015NM Prep	
890-3426-44	FS44	Total/NA	Solid	8015NM Prep	
890-3426-45	FS45	Total/NA	Solid	8015NM Prep	
890-3426-46	FS46	Total/NA	Solid	8015NM Prep	
890-3426-47	FS47	Total/NA	Solid	8015NM Prep	
890-3426-48	FS48	Total/NA	Solid	8015NM Prep	
MB 880-39418/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-39418/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-39418/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3426-41 MS	FS41	Total/NA	Solid	8015NM Prep	
890-3426-41 MSD	FS41	Total/NA	Solid	8015NM Prep	

Prep Batch: 39456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3426-1	FS01	Total/NA	Solid	8015NM Prep	
890-3426-2	FS02	Total/NA	Solid	8015NM Prep	
390-3426-3	FS03	Total/NA	Solid	8015NM Prep	
390-3426-4	FS04	Total/NA	Solid	8015NM Prep	
390-3426-5	FS05	Total/NA	Solid	8015NM Prep	
390-3426-6	FS06	Total/NA	Solid	8015NM Prep	
390-3426-7	FS07	Total/NA	Solid	8015NM Prep	
390-3426-8	FS08	Total/NA	Solid	8015NM Prep	
390-3426-9	FS09	Total/NA	Solid	8015NM Prep	
390-3426-10	FS10	Total/NA	Solid	8015NM Prep	
390-3426-11	FS11	Total/NA	Solid	8015NM Prep	
390-3426-12	FS12	Total/NA	Solid	8015NM Prep	
90-3426-13	FS13	Total/NA	Solid	8015NM Prep	
390-3426-14	FS14	Total/NA	Solid	8015NM Prep	
390-3426-15	FS15	Total/NA	Solid	8015NM Prep	
390-3426-16	FS16	Total/NA	Solid	8015NM Prep	
390-3426-17	FS17	Total/NA	Solid	8015NM Prep	
390-3426-18	FS18	Total/NA	Solid	8015NM Prep	
390-3426-19	FS19	Total/NA	Solid	8015NM Prep	
90-3426-20	FS20	Total/NA	Solid	8015NM Prep	
MB 880-39456/1-A	Method Blank	Total/NA	Solid	8015NM Prep	

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 Client: Ensolum
 Job ID: 890-3426-1

 Project/Site: Nash 36
 SDG: 03E1558117

GC Semi VOA (Continued)

Prep Batch: 39456 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-39456/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-39456/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3426-1 MS	FS01	Total/NA	Solid	8015NM Prep	
890-3426-1 MSD	FS01	Total/NA	Solid	8015NM Prep	

Prep Batch: 39457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3426-21	FS21	Total/NA	Solid	8015NM Prep	
890-3426-22	FS22	Total/NA	Solid	8015NM Prep	
890-3426-23	FS23	Total/NA	Solid	8015NM Prep	
890-3426-24	FS24	Total/NA	Solid	8015NM Prep	
890-3426-25	FS25	Total/NA	Solid	8015NM Prep	
890-3426-26	FS26	Total/NA	Solid	8015NM Prep	
890-3426-27	FS27	Total/NA	Solid	8015NM Prep	
890-3426-28	FS28	Total/NA	Solid	8015NM Prep	
890-3426-29	FS29	Total/NA	Solid	8015NM Prep	
890-3426-30	FS30	Total/NA	Solid	8015NM Prep	
890-3426-31	FS31	Total/NA	Solid	8015NM Prep	
890-3426-32	FS32	Total/NA	Solid	8015NM Prep	
890-3426-33	FS33	Total/NA	Solid	8015NM Prep	
890-3426-34	FS34	Total/NA	Solid	8015NM Prep	
890-3426-35	FS35	Total/NA	Solid	8015NM Prep	
890-3426-36	FS36	Total/NA	Solid	8015NM Prep	
890-3426-37	FS37	Total/NA	Solid	8015NM Prep	
890-3426-38	FS38	Total/NA	Solid	8015NM Prep	
890-3426-39	FS39	Total/NA	Solid	8015NM Prep	
890-3426-40	FS40	Total/NA	Solid	8015NM Prep	
MB 880-39457/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-39457/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-39457/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3426-21 MS	FS21	Total/NA	Solid	8015NM Prep	
890-3426-21 MSD	FS21	Total/NA	Solid	8015NM Prep	

Analysis Batch: 39571

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3426-1	FS01	Total/NA	Solid	8015B NM	39456
890-3426-2	FS02	Total/NA	Solid	8015B NM	39456
890-3426-3	FS03	Total/NA	Solid	8015B NM	39456
890-3426-4	FS04	Total/NA	Solid	8015B NM	39456
890-3426-5	FS05	Total/NA	Solid	8015B NM	39456
890-3426-6	FS06	Total/NA	Solid	8015B NM	39456
890-3426-7	FS07	Total/NA	Solid	8015B NM	39456
890-3426-8	FS08	Total/NA	Solid	8015B NM	39456
890-3426-9	FS09	Total/NA	Solid	8015B NM	39456
890-3426-10	FS10	Total/NA	Solid	8015B NM	39456
890-3426-11	FS11	Total/NA	Solid	8015B NM	39456
890-3426-12	FS12	Total/NA	Solid	8015B NM	39456
890-3426-13	FS13	Total/NA	Solid	8015B NM	39456
890-3426-14	FS14	Total/NA	Solid	8015B NM	39456
890-3426-15	FS15	Total/NA	Solid	8015B NM	39456
890-3426-16	FS16	Total/NA	Solid	8015B NM	39456

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Client: Ensolum Job ID: 890-3426-1 Project/Site: Nash 36 SDG: 03E1558117

GC Semi VOA (Continued)

Analysis Batch: 39571 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3426-17	FS17	Total/NA	Solid	8015B NM	39456
890-3426-18	FS18	Total/NA	Solid	8015B NM	39456
890-3426-19	FS19	Total/NA	Solid	8015B NM	39456
890-3426-20	FS20	Total/NA	Solid	8015B NM	39456
MB 880-39456/1-A	Method Blank	Total/NA	Solid	8015B NM	39456
LCS 880-39456/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	39456
LCSD 880-39456/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	39456
890-3426-1 MS	FS01	Total/NA	Solid	8015B NM	39456
890-3426-1 MSD	FS01	Total/NA	Solid	8015B NM	39456

Analysis Batch: 39573

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Lab Sample ID 890-3426-21	Client Sample ID FS21	Prep Type Total/NA	Matrix Solid	Method 8015B NM	Prep Batch 39457
				8015B NM	
890-3426-22	FS22	Total/NA	Solid		39457
890-3426-23	FS23	Total/NA	Solid	8015B NM	39457
890-3426-24	FS24	Total/NA	Solid	8015B NM	39457
890-3426-25	FS25	Total/NA	Solid	8015B NM	39457
890-3426-26	FS26	Total/NA	Solid	8015B NM	39457
890-3426-27	FS27	Total/NA	Solid	8015B NM	39457
890-3426-28	FS28	Total/NA	Solid	8015B NM	39457
890-3426-29	FS29	Total/NA	Solid	8015B NM	39457
890-3426-30	FS30	Total/NA	Solid	8015B NM	39457
890-3426-31	FS31	Total/NA	Solid	8015B NM	39457
890-3426-32	FS32	Total/NA	Solid	8015B NM	39457
890-3426-33	FS33	Total/NA	Solid	8015B NM	39457
890-3426-34	FS34	Total/NA	Solid	8015B NM	39457
890-3426-35	FS35	Total/NA	Solid	8015B NM	39457
890-3426-36	FS36	Total/NA	Solid	8015B NM	39457
890-3426-37	FS37	Total/NA	Solid	8015B NM	39457
890-3426-38	FS38	Total/NA	Solid	8015B NM	39457
890-3426-39	FS39	Total/NA	Solid	8015B NM	39457
890-3426-40	FS40	Total/NA	Solid	8015B NM	39457
MB 880-39457/1-A	Method Blank	Total/NA	Solid	8015B NM	39457
LCS 880-39457/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	39457
LCSD 880-39457/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	39457
890-3426-21 MS	FS21	Total/NA	Solid	8015B NM	39457
890-3426-21 MSD	FS21	Total/NA	Solid	8015B NM	39457

Analysis Batch: 39621

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3426-1	FS01	Total/NA	Solid	8015 NM	
890-3426-2	FS02	Total/NA	Solid	8015 NM	
890-3426-3	FS03	Total/NA	Solid	8015 NM	
890-3426-4	FS04	Total/NA	Solid	8015 NM	
890-3426-5	FS05	Total/NA	Solid	8015 NM	
890-3426-6	FS06	Total/NA	Solid	8015 NM	
890-3426-7	FS07	Total/NA	Solid	8015 NM	
890-3426-8	FS08	Total/NA	Solid	8015 NM	
890-3426-9	FS09	Total/NA	Solid	8015 NM	
890-3426-10	FS10	Total/NA	Solid	8015 NM	
890-3426-11	FS11	Total/NA	Solid	8015 NM	

Client: Ensolum Job ID: 890-3426-1 Project/Site: Nash 36 SDG: 03E1558117

GC Semi VOA (Continued)

Analysis Batch: 39621 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3426-12	FS12	Total/NA	Solid	8015 NM	
890-3426-13	FS13	Total/NA	Solid	8015 NM	
890-3426-14	FS14	Total/NA	Solid	8015 NM	
890-3426-15	FS15	Total/NA	Solid	8015 NM	
890-3426-16	FS16	Total/NA	Solid	8015 NM	
890-3426-17	FS17	Total/NA	Solid	8015 NM	
890-3426-18	FS18	Total/NA	Solid	8015 NM	
890-3426-19	FS19	Total/NA	Solid	8015 NM	
890-3426-20	FS20	Total/NA	Solid	8015 NM	
890-3426-21	FS21	Total/NA	Solid	8015 NM	
890-3426-22	FS22	Total/NA	Solid	8015 NM	
890-3426-23	FS23	Total/NA	Solid	8015 NM	
890-3426-24	FS24	Total/NA	Solid	8015 NM	
890-3426-25	FS25	Total/NA	Solid	8015 NM	
890-3426-26	FS26	Total/NA	Solid	8015 NM	
890-3426-27	FS27	Total/NA	Solid	8015 NM	
890-3426-28	FS28	Total/NA	Solid	8015 NM	
890-3426-29	FS29	Total/NA	Solid	8015 NM	
890-3426-30	FS30	Total/NA	Solid	8015 NM	
890-3426-31	FS31	Total/NA	Solid	8015 NM	
890-3426-32	FS32	Total/NA	Solid	8015 NM	
890-3426-33	FS33	Total/NA	Solid	8015 NM	
890-3426-34	FS34	Total/NA	Solid	8015 NM	
890-3426-35	FS35	Total/NA	Solid	8015 NM	
890-3426-36	FS36	Total/NA	Solid	8015 NM	
890-3426-37	FS37	Total/NA	Solid	8015 NM	
890-3426-38	FS38	Total/NA	Solid	8015 NM	
890-3426-39	FS39	Total/NA	Solid	8015 NM	
890-3426-40	FS40	Total/NA	Solid	8015 NM	
890-3426-41	FS41	Total/NA	Solid	8015 NM	
890-3426-42	FS42	Total/NA	Solid	8015 NM	
890-3426-43	FS43	Total/NA	Solid	8015 NM	
890-3426-44	FS44	Total/NA	Solid	8015 NM	
890-3426-45	FS45	Total/NA	Solid	8015 NM	
890-3426-46	FS46	Total/NA	Solid	8015 NM	
890-3426-47	FS47	Total/NA	Solid	8015 NM	
890-3426-48	FS48	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 39445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3426-1	FS01	Soluble	Solid	DI Leach	
890-3426-2	FS02	Soluble	Solid	DI Leach	
890-3426-3	FS03	Soluble	Solid	DI Leach	
890-3426-4	FS04	Soluble	Solid	DI Leach	
890-3426-5	FS05	Soluble	Solid	DI Leach	
890-3426-6	FS06	Soluble	Solid	DI Leach	
890-3426-7	FS07	Soluble	Solid	DI Leach	
890-3426-8	FS08	Soluble	Solid	DI Leach	
890-3426-9	FS09	Soluble	Solid	DI Leach	

Client: Ensolum Job ID: 890-3426-1 Project/Site: Nash 36 SDG: 03E1558117

HPLC/IC (Continued)

Leach Batch: 39445 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3426-10	FS10	Soluble	Solid	DI Leach	
890-3426-11	FS11	Soluble	Solid	DI Leach	
890-3426-12	FS12	Soluble	Solid	DI Leach	
890-3426-13	FS13	Soluble	Solid	DI Leach	
890-3426-14	FS14	Soluble	Solid	DI Leach	
890-3426-15	FS15	Soluble	Solid	DI Leach	
890-3426-16	FS16	Soluble	Solid	DI Leach	
890-3426-17	FS17	Soluble	Solid	DI Leach	
890-3426-18	FS18	Soluble	Solid	DI Leach	
890-3426-19	FS19	Soluble	Solid	DI Leach	
890-3426-20	FS20	Soluble	Solid	DI Leach	
MB 880-39445/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-39445/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-39445/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3426-1 MS	FS01	Soluble	Solid	DI Leach	
890-3426-1 MSD	FS01	Soluble	Solid	DI Leach	
890-3426-11 MS	FS11	Soluble	Solid	DI Leach	
890-3426-11 MSD	FS11	Soluble	Solid	DI Leach	

Leach Batch: 39446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
890-3426-21	FS21	Soluble	Solid	DI Leach	
890-3426-22	FS22	Soluble	Solid	DI Leach	
890-3426-23	FS23	Soluble	Solid	DI Leach	
890-3426-24	FS24	Soluble	Solid	DI Leach	
890-3426-25	FS25	Soluble	Solid	DI Leach	
390-3426-26	FS26	Soluble	Solid	DI Leach	
890-3426-27	FS27	Soluble	Solid	DI Leach	
890-3426-28	FS28	Soluble	Solid	DI Leach	
390-3426-29	FS29	Soluble	Solid	DI Leach	
890-3426-30	FS30	Soluble	Solid	DI Leach	
890-3426-31	FS31	Soluble	Solid	DI Leach	
890-3426-32	FS32	Soluble	Solid	DI Leach	
390-3426-33	FS33	Soluble	Solid	DI Leach	
390-3426-34	FS34	Soluble	Solid	DI Leach	
390-3426-35	FS35	Soluble	Solid	DI Leach	
390-3426-36	FS36	Soluble	Solid	DI Leach	
390-3426-37	FS37	Soluble	Solid	DI Leach	
390-3426-38	FS38	Soluble	Solid	DI Leach	
390-3426-39	FS39	Soluble	Solid	DI Leach	
390-3426-40	FS40	Soluble	Solid	DI Leach	
MB 880-39446/1-A	Method Blank	Soluble	Solid	DI Leach	
_CS 880-39446/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-39446/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
390-3426-21 MS	FS21	Soluble	Solid	DI Leach	
390-3426-21 MSD	FS21	Soluble	Solid	DI Leach	
390-3426-31 MS	FS31	Soluble	Solid	DI Leach	
890-3426-31 MSD	FS31	Soluble	Solid	DI Leach	

Client: Ensolum Job ID: 890-3426-1 Project/Site: Nash 36 SDG: 03E1558117

HPLC/IC

Leach Batch: 39447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3426-41	FS41	Soluble	Solid	DI Leach	
890-3426-42	FS42	Soluble	Solid	DI Leach	
890-3426-43	FS43	Soluble	Solid	DI Leach	
890-3426-44	FS44	Soluble	Solid	DI Leach	
890-3426-45	FS45	Soluble	Solid	DI Leach	
890-3426-46	FS46	Soluble	Solid	DI Leach	
890-3426-47	FS47	Soluble	Solid	DI Leach	
890-3426-48	FS48	Soluble	Solid	DI Leach	
MB 880-39447/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-39447/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-39447/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-21469-A-1-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-21469-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 39628

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3426-1	FS01	Soluble	Solid	300.0	39445
890-3426-2	FS02	Soluble	Solid	300.0	39445
890-3426-3	FS03	Soluble	Solid	300.0	39445
890-3426-4	FS04	Soluble	Solid	300.0	39445
890-3426-5	FS05	Soluble	Solid	300.0	39445
890-3426-6	FS06	Soluble	Solid	300.0	39445
890-3426-7	FS07	Soluble	Solid	300.0	39445
890-3426-8	FS08	Soluble	Solid	300.0	39445
890-3426-9	FS09	Soluble	Solid	300.0	39445
890-3426-10	FS10	Soluble	Solid	300.0	39445
890-3426-11	FS11	Soluble	Solid	300.0	39445
890-3426-12	FS12	Soluble	Solid	300.0	39445
890-3426-13	FS13	Soluble	Solid	300.0	39445
890-3426-14	FS14	Soluble	Solid	300.0	39445
890-3426-15	FS15	Soluble	Solid	300.0	39445
890-3426-16	FS16	Soluble	Solid	300.0	39445
890-3426-17	FS17	Soluble	Solid	300.0	39445
890-3426-18	FS18	Soluble	Solid	300.0	39445
890-3426-19	FS19	Soluble	Solid	300.0	39445
890-3426-20	FS20	Soluble	Solid	300.0	39445
MB 880-39445/1-A	Method Blank	Soluble	Solid	300.0	39445
LCS 880-39445/2-A	Lab Control Sample	Soluble	Solid	300.0	39445
LCSD 880-39445/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	39445
890-3426-1 MS	FS01	Soluble	Solid	300.0	39445
890-3426-1 MSD	FS01	Soluble	Solid	300.0	39445
890-3426-11 MS	FS11	Soluble	Solid	300.0	39445
890-3426-11 MSD	FS11	Soluble	Solid	300.0	39445

Analysis Batch: 39633

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3426-21	FS21	Soluble	Solid	300.0	39446
890-3426-22	FS22	Soluble	Solid	300.0	39446
890-3426-23	FS23	Soluble	Solid	300.0	39446
890-3426-24	FS24	Soluble	Solid	300.0	39446
890-3426-25	FS25	Soluble	Solid	300.0	39446

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 Client: Ensolum
 Job ID: 890-3426-1

 Project/Site: Nash 36
 SDG: 03E1558117

HPLC/IC (Continued)

Analysis Batch: 39633 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3426-26	FS26	Soluble	Solid	300.0	39446
890-3426-27	FS27	Soluble	Solid	300.0	39446
890-3426-28	FS28	Soluble	Solid	300.0	39446
890-3426-29	FS29	Soluble	Solid	300.0	39446
890-3426-30	FS30	Soluble	Solid	300.0	39446
890-3426-31	FS31	Soluble	Solid	300.0	39446
890-3426-32	FS32	Soluble	Solid	300.0	39446
890-3426-33	FS33	Soluble	Solid	300.0	39446
890-3426-34	FS34	Soluble	Solid	300.0	39446
890-3426-35	FS35	Soluble	Solid	300.0	39446
890-3426-36	FS36	Soluble	Solid	300.0	39446
890-3426-37	FS37	Soluble	Solid	300.0	39446
890-3426-38	FS38	Soluble	Solid	300.0	39446
890-3426-39	FS39	Soluble	Solid	300.0	39446
890-3426-40	FS40	Soluble	Solid	300.0	39446
MB 880-39446/1-A	Method Blank	Soluble	Solid	300.0	39446
LCS 880-39446/2-A	Lab Control Sample	Soluble	Solid	300.0	39446
LCSD 880-39446/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	39446
890-3426-21 MS	FS21	Soluble	Solid	300.0	39446
890-3426-21 MSD	FS21	Soluble	Solid	300.0	39446
890-3426-31 MS	FS31	Soluble	Solid	300.0	39446
890-3426-31 MSD	FS31	Soluble	Solid	300.0	39446

Analysis Batch: 39640

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3426-41	FS41	Soluble	Solid	300.0	39447
890-3426-42	FS42	Soluble	Solid	300.0	39447
890-3426-43	FS43	Soluble	Solid	300.0	39447
890-3426-44	FS44	Soluble	Solid	300.0	39447
890-3426-45	FS45	Soluble	Solid	300.0	39447
890-3426-46	FS46	Soluble	Solid	300.0	39447
890-3426-47	FS47	Soluble	Solid	300.0	39447
890-3426-48	FS48	Soluble	Solid	300.0	39447
MB 880-39447/1-A	Method Blank	Soluble	Solid	300.0	39447
LCS 880-39447/2-A	Lab Control Sample	Soluble	Solid	300.0	39447
LCSD 880-39447/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	39447
880-21469-A-1-C MS	Matrix Spike	Soluble	Solid	300.0	39447
880-21469-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	39447

 Client: Ensolum
 Job ID: 890-3426-1

 Project/Site: Nash 36
 SDG: 03E1558117

Client Sample ID: FS01 Lab Sample ID: 890-3426-1

Date Collected: 11/07/22 09:00 Matrix: Solid
Date Received: 11/10/22 13:33

	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	39649	11/15/22 16:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39665	11/16/22 12:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39734	11/16/22 15:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			39621	11/16/22 09:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39456	11/14/22 12:06	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39571	11/15/22 11:17	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	39445	11/14/22 11:38	KS	EET MID
Soluble	Analysis	300.0		10			39628	11/15/22 15:35	CH	EET MID

Client Sample ID: FS02

Date Collected: 11/07/22 09:45

Lab Sample ID: 890-3426-2

Matrix: Solid

Date Collected: 11/07/22 09:45
Date Received: 11/10/22 13:33

	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	39649	11/15/22 16:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39665	11/16/22 13:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39734	11/16/22 15:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			39621	11/16/22 09:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	39456	11/14/22 12:06	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39571	11/15/22 12:22	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	39445	11/14/22 11:38	KS	EET MID
Soluble	Analysis	300.0		10			39628	11/15/22 15:52	CH	EET MID

Client Sample ID: FS03

Date Collected: 11/07/22 10:45

Lab Sample ID: 890-3426-3

Matrix: Solid

Date Received: 11/10/22 13:33

	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	39649	11/15/22 16:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39665	11/16/22 13:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39734	11/16/22 15:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			39621	11/16/22 09:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39456	11/14/22 12:06	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39571	11/15/22 12:44	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	39445	11/14/22 11:38	KS	EET MID
Soluble	Analysis	300.0		1			39628	11/15/22 15:57	CH	EET MID

Client Sample ID: FS04 Lab Sample ID: 890-3426-4

Date Collected: 11/07/22 10:50 Matrix: Solid
Date Received: 11/10/22 13:33

	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	39649	11/15/22 16:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39665	11/16/22 13:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39734	11/16/22 15:31	SM	EET MID

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Client: Ensolum Job ID: 890-3426-1 Project/Site: Nash 36 SDG: 03E1558117

Client Sample ID: FS04 Lab Sample ID: 890-3426-4

Date Collected: 11/07/22 10:50 Matrix: Solid Date Received: 11/10/22 13:33

	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			39621	11/16/22 09:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39456	11/14/22 12:06	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39571	11/15/22 13:05	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	39445	11/14/22 11:38	KS	EET MID
Soluble	Analysis	300.0		1			39628	11/16/22 13:44	CH	EET MID

Client Sample ID: FS05 Lab Sample ID: 890-3426-5

Date Collected: 11/07/22 11:55 **Matrix: Solid**

Date Received: 11/10/22 13:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	39649	11/15/22 16:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39665	11/16/22 14:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39734	11/16/22 15:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			39621	11/16/22 09:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39456	11/14/22 12:06	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39571	11/15/22 13:26	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	39445	11/14/22 11:38	KS	EET MID
Soluble	Analysis	300.0		1			39628	11/15/22 16:08	CH	EET MID

Client Sample ID: FS06 Lab Sample ID: 890-3426-6 Date Collected: 11/07/22 12:00 **Matrix: Solid**

Date Received: 11/10/22 13:33

	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	39649	11/15/22 16:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39665	11/16/22 14:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39734	11/16/22 15:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			39621	11/16/22 09:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39456	11/14/22 12:06	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39571	11/15/22 13:48	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	39445	11/14/22 11:38	KS	EET MID
Soluble	Analysis	300.0		5			39628	11/15/22 16:25	CH	EET MID

Client Sample ID: FS07 Lab Sample ID: 890-3426-7

Date Collected: 11/07/22 12:05 Date Received: 11/10/22 13:33

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	39649	11/15/22 16:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39665	11/16/22 15:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39734	11/16/22 15:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			39621	11/16/22 09:54	SM	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.00 g 1 uL	10 mL 1 uL	39456 39571	11/14/22 12:06 11/15/22 14:09	DM SM	EET MID EET MID

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Job ID: 890-3426-1 SDG: 03E1558117

Client: Ensolum Project/Site: Nash 36

Lab Sample ID: 890-3426-7

Client Sample ID: FS07 Date Collected: 11/07/22 12:05

Matrix: Solid

Date Received: 11/10/22 13:33

Lab

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Soluble DI Leach 39445 Leach 5.04 g 50 mL 11/14/22 11:38 KS **EET MID** 300.0 Soluble Analysis 5 39628 11/15/22 16:31 СН **EET MID**

Client Sample ID: FS08 Lab Sample ID: 890-3426-8

Matrix: Solid

Date Collected: 11/07/22 12:10 Date Received: 11/10/22 13:33

	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	39649	11/15/22 16:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39665	11/16/22 15:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39734	11/16/22 16:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			39621	11/16/22 09:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39456	11/14/22 12:06	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39571	11/15/22 14:31	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	39445	11/14/22 11:38	KS	EET MID
Soluble	Analysis	300.0		10			39628	11/15/22 16:37	CH	EET MID

Client Sample ID: FS09 Lab Sample ID: 890-3426-9

Date Collected: 11/07/22 12:40 **Matrix: Solid**

Date Received: 11/10/22 13:33

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	39649	11/15/22 16:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39665	11/16/22 16:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39734	11/16/22 16:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			39621	11/16/22 09:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39456	11/14/22 12:06	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39571	11/15/22 14:52	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	39445	11/14/22 11:38	KS	EET MID
Soluble	Analysis	300.0		5			39628	11/15/22 16:42	CH	EET MID

Client Sample ID: FS10 Lab Sample ID: 890-3426-10

Date Collected: 11/07/22 12:15 Date Received: 11/10/22 13:33

	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	39649	11/15/22 16:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39665	11/16/22 16:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39734	11/17/22 15:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			39621	11/16/22 09:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39456	11/14/22 12:06	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39571	11/15/22 15:13	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	39445	11/14/22 11:38	KS	EET MID
Soluble	Analysis	300.0		5			39628	11/15/22 16:48	CH	EET MID

SDG: 03E1558117

Project/Site: Nash 36 **Client Sample ID: FS11**

Lab Sample ID: 890-3426-11 Matrix: Solid

Date Collected: 11/07/22 12:20 Date Received: 11/10/22 13:33

Client: Ensolum

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	39649	11/15/22 16:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39665	11/16/22 18:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39734	11/17/22 15:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			39621	11/16/22 09:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39456	11/14/22 12:06	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39571	11/15/22 16:07	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	39445	11/14/22 11:38	KS	EET MID
Soluble	Analysis	300.0		5			39628	11/15/22 16:54	CH	EET MID

Client Sample ID: FS12 Lab Sample ID: 890-3426-12 Matrix: Solid

Date Collected: 11/07/22 12:25 Date Received: 11/10/22 13:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	39649	11/15/22 16:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39665	11/16/22 18:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39734	11/17/22 15:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			39621	11/16/22 09:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39456	11/14/22 12:06	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39571	11/15/22 16:28	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	39445	11/14/22 11:38	KS	EET MID
Soluble	Analysis	300.0		5			39628	11/15/22 17:11	CH	EET MID

Client Sample ID: FS13 Lab Sample ID: 890-3426-13

Date Collected: 11/07/22 12:30 **Matrix: Solid** Date Received: 11/10/22 13:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	39649	11/15/22 16:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39665	11/16/22 19:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39734	11/17/22 15:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			39621	11/16/22 09:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39456	11/14/22 12:06	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39571	11/15/22 16:50	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	39445	11/14/22 11:38	KS	EET MID
Soluble	Analysis	300.0		10			39628	11/15/22 17:16	CH	EET MID

Client Sample ID: FS14 Lab Sample ID: 890-3426-14

Date Collected: 11/07/22 14:30 **Matrix: Solid** Date Received: 11/10/22 13:33

	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	39649	11/15/22 16:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39665	11/16/22 19:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39734	11/17/22 15:03	SM	EET MID

 Client: Ensolum
 Job ID: 890-3426-1

 Project/Site: Nash 36
 SDG: 03E1558117

Client Sample ID: FS14

Date Collected: 11/07/22 14:30 Date Received: 11/10/22 13:33 Lab Sample ID: 890-3426-14

Matrix: Solid

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			39621	11/16/22 09:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39456	11/14/22 12:06	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39571	11/15/22 17:11	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	39445	11/14/22 11:38	KS	EET MID
Soluble	Analysis	300.0		20			39628	11/15/22 17:33	CH	EET MID

Client Sample ID: FS15 Lab Sample ID: 890-3426-15

Date Collected: 11/07/22 14:35 Date Received: 11/10/22 13:33

Batch Batch Dil Initial Final Batch Prepared Prep Type Method Amount Amount Number or Analyzed Type Run Factor Analyst Lab 5035 Total/NA Prep 5.03 g 5 mL 39649 11/15/22 16:34 MNR **EET MID** Total/NA Analysis 8021B 5 mL 5 mL 39665 11/16/22 19:56 MNR **EET MID** 1 Total/NA Total BTEX 39734 Analysis 1 11/17/22 15:03 SM **EET MID** Total/NA Analysis 8015 NM 39621 11/16/22 09:54 SM **EET MID** 1 Total/NA Prep 8015NM Prep 10.00 g 10 mL 39456 11/14/22 12:06 DM **EET MID** Total/NA Analysis 8015B NM 1 uL 1 uL 39571 11/15/22 17:32 SM **EET MID** Soluble Leach DI Leach 4.98 g 50 mL 39445 11/14/22 11:38 KS **EET MID** Soluble Analysis 300.0 20 39628 11/15/22 17:39 СН **EET MID**

Client Sample ID: FS16

Date Collected: 11/07/22 14:40

Lab Sample ID: 890-3426-16

Matrix: Solid

Date Received: 11/10/22 13:33

	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	39649	11/15/22 16:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39665	11/16/22 20:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39734	11/17/22 15:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			39621	11/16/22 09:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39456	11/14/22 12:06	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39571	11/15/22 17:54	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	39445	11/14/22 11:38	KS	EET MID
Soluble	Analysis	300.0		20			39628	11/15/22 17:45	CH	EET MID

Client Sample ID: FS17 Lab Sample ID: 890-3426-17

Date Collected: 11/07/22 14:45 Date Received: 11/10/22 13:33

	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	39649	11/15/22 16:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39665	11/16/22 20:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39734	11/17/22 15:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			39621	11/16/22 09:54	SM	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.03 g 1 uL	10 mL 1 uL	39456 39571	11/14/22 12:06 11/15/22 18:15	DM SM	EET MID EET MID

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Matrix: Solid

Job ID: 890-3426-1

SDG: 03E1558117

Client Sample ID: FS17

Client: Ensolum

Project/Site: Nash 36

Lab Sample ID: 890-3426-17

Matrix: Solid

Date Collected: 11/07/22 14:45 Date Received: 11/10/22 13:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	39445	11/14/22 11:38	KS	EET MID
Soluble	Analysis	300.0		20			39628	11/15/22 17:50	СН	EET MID

Client Sample ID: FS18 Lab Sample ID: 890-3426-18

Date Collected: 11/07/22 14:50 Date Received: 11/10/22 13:33

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	39649	11/15/22 16:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39665	11/16/22 21:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39734	11/17/22 15:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			39621	11/16/22 09:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	39456	11/14/22 12:06	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39571	11/15/22 18:36	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	39445	11/14/22 11:38	KS	EET MID
Soluble	Analysis	300.0		20			39628	11/15/22 17:56	CH	EET MID

Client Sample ID: FS19 Lab Sample ID: 890-3426-19

Matrix: Solid

Date Collected: 11/07/22 14:55 Date Received: 11/10/22 13:33

	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	39649	11/15/22 16:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39665	11/16/22 21:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39734	11/17/22 15:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			39621	11/16/22 09:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39456	11/14/22 12:06	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39571	11/15/22 18:58	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	39445	11/14/22 11:38	KS	EET MID
Soluble	Analysis	300.0		20			39628	11/15/22 18:02	CH	EET MID

Client Sample ID: FS20 Lab Sample ID: 890-3426-20 Date Collected: 11/07/22 15:00

Date Received: 11/10/22 13:33

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	39649	11/15/22 16:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39665	11/16/22 22:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39734	11/17/22 15:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			39621	11/16/22 09:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	39456	11/14/22 12:06	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39571	11/15/22 19:19	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	39445	11/14/22 11:38	KS	EET MID
Soluble	Analysis	300.0		20			39628	11/15/22 18:07	CH	EET MID

Client: Ensolum

Job ID: 890-3426-1 Project/Site: Nash 36 SDG: 03E1558117

Client Sample ID: FS21 Lab Sample ID: 890-3426-21

Date Collected: 11/07/22 15:05 Matrix: Solid Date Received: 11/10/22 13:33

	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	39650	11/15/22 16:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39617	11/16/22 11:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39734	11/16/22 15:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			39621	11/16/22 10:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39457	11/14/22 12:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39573	11/15/22 11:17	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	39446	11/14/22 11:39	KS	EET MID
Soluble	Analysis	300.0		20			39633	11/15/22 19:07	CH	EET MID

Client Sample ID: FS22 Lab Sample ID: 890-3426-22

Date Collected: 11/07/22 15:10 Matrix: Solid

Date Received: 11/10/22 13:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	39650	11/15/22 16:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39617	11/16/22 12:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39734	11/16/22 15:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			39621	11/16/22 10:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	39457	11/14/22 12:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39573	11/15/22 12:22	SM	EET MIC
Soluble	Leach	DI Leach			5.01 g	50 mL	39446	11/14/22 11:39	KS	EET MIC
Soluble	Analysis	300.0		20			39633	11/15/22 19:24	CH	EET MID

Client Sample ID: FS23 Lab Sample ID: 890-3426-23 Date Collected: 11/07/22 15:15 **Matrix: Solid**

Date Received: 11/10/22 13:33

	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	39650	11/15/22 16:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39617	11/16/22 12:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39734	11/16/22 15:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			39621	11/16/22 10:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39457	11/14/22 12:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39573	11/15/22 12:44	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	39446	11/14/22 11:39	KS	EET MIC
Soluble	Analysis	300.0		20			39633	11/15/22 19:30	CH	EET MIC

Client Sample ID: FS24 Lab Sample ID: 890-3426-24

Date Collected: 11/08/22 11:30 **Matrix: Solid** Date Received: 11/10/22 13:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	39650	11/15/22 16:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39617	11/16/22 12:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39734	11/16/22 15:33	SM	EET MID

Matrix: Solid

 Client: Ensolum
 Job ID: 890-3426-1

 Project/Site: Nash 36
 SDG: 03E1558117

Client Sample ID: FS24

Lab Sample ID: 890-3426-24

Date Collected: 11/08/22 11:30 Matrix: Solid
Date Received: 11/10/22 13:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			39621	11/16/22 10:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39457	11/14/22 12:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39573	11/15/22 13:05	SM	EET MID
Soluble	Leach	DI Leach			499 g	50 mL	39446	11/14/22 11:39	KS	EET MID
Soluble	Analysis	300.0		20			39633	11/15/22 19:35	CH	EET MID

Client Sample ID: FS25 Lab Sample ID: 890-3426-25

Date Collected: 11/08/22 11:35 Date Received: 11/10/22 13:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	39650	11/15/22 16:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39617	11/16/22 13:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39734	11/16/22 15:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			39621	11/16/22 10:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39457	11/14/22 12:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39573	11/15/22 13:26	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	39446	11/14/22 11:39	KS	EET MID
Soluble	Analysis	300.0		20			39633	11/15/22 19:41	CH	EET MID

Client Sample ID: FS26

Date Collected: 11/08/22 11:40

Lab Sample ID: 890-3426-26

Matrix: Solid

Date Received: 11/10/22 13:33

Batch Batch Dil Initial Final Batch Prepared **Prep Type** Type Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA Prep 5035 4.95 g 5 mL 39650 11/15/22 16:36 MNR EET MID Total/NA 8021B 5 mL 5 mL 39617 11/16/22 13:28 MNR **EET MID** Analysis 1 Total/NA Total BTEX Analysis 1 39734 11/16/22 15:33 SM **EET MID** Total/NA Analysis 8015 NM 39621 11/16/22 10:16 SM EET MID 1 11/14/22 12:10 Total/NA Prep 8015NM Prep 10.02 g 10 mL 39457 DM **EET MID** Total/NA Analysis 8015B NM 1 uL 1 uL 39573 11/15/22 13:48 SM EET MID 1 Soluble Leach DI Leach 5.03 g 50 mL 39446 11/14/22 11:39 KS **EET MID** Soluble Analysis 300.0 10 39633 11/15/22 19:58 СН EET MID

Client Sample ID: FS27 Lab Sample ID: 890-3426-27

Date Collected: 11/08/22 11:45 Date Received: 11/10/22 13:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	39650	11/15/22 16:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39617	11/16/22 13:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39734	11/16/22 15:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			39621	11/16/22 10:16	SM	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.00 g 1 uL	10 mL 1 uL	39457 39573	11/14/22 12:10 11/15/22 14:09	DM SM	EET MID EET MID

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Matrix: Solid

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Job ID: 890-3426-1

SDG: 03E1558117

Client Sample ID: FS27 Lab Sample ID: 890-3426-27 Date Collected: 11/08/22 11:45

Matrix: Solid

Date Received: 11/10/22 13:33

Client: Ensolum

Project/Site: Nash 36

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	39446	11/14/22 11:39	KS	EET MID
Soluble	Analysis	300.0		5			39633	11/15/22 20:04	CH	EET MID

Client Sample ID: FS28 Lab Sample ID: 890-3426-28

Date Collected: 11/08/22 11:50 Date Received: 11/10/22 13:33 **Matrix: Solid**

	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	39650	11/15/22 16:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39617	11/16/22 14:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39734	11/16/22 15:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			39621	11/16/22 10:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39457	11/14/22 12:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39573	11/15/22 14:31	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	39446	11/14/22 11:39	KS	EET MID
Soluble	Analysis	300.0		20			39633	11/15/22 20:09	CH	EET MID

Client Sample ID: FS29 Lab Sample ID: 890-3426-29

Date Collected: 11/08/22 12:30 **Matrix: Solid**

Date Received: 11/10/22 13:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	39650	11/15/22 16:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39617	11/16/22 14:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39734	11/16/22 15:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			39621	11/16/22 10:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39457	11/14/22 12:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39573	11/15/22 14:52	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	39446	11/14/22 11:39	KS	EET MID
Soluble	Analysis	300.0		20			39633	11/15/22 20:15	CH	EET MID

Client Sample ID: FS30 Lab Sample ID: 890-3426-30

Date Collected: 11/08/22 12:00 Date Received: 11/10/22 13:33

Matrix: Solid

	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	39650	11/15/22 16:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39617	11/16/22 14:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39734	11/16/22 15:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			39621	11/16/22 10:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39457	11/14/22 12:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39573	11/15/22 15:13	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	39446	11/14/22 11:39	KS	EET MID
Soluble	Analysis	300.0		10			39633	11/15/22 20:21	CH	EET MID

Client Sample ID: FS31 Lab Sample ID: 890-3426-31

Date Collected: 11/08/22 12:05 Matrix: Solid Date Received: 11/10/22 13:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	39650	11/15/22 16:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39617	11/16/22 16:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39734	11/17/22 09:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			39621	11/16/22 10:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	39457	11/14/22 12:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39573	11/15/22 16:07	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	39446	11/14/22 11:39	KS	EET MID
Soluble	Analysis	300.0		10			39633	11/15/22 20:26	CH	EET MID

Client Sample ID: FS32 Lab Sample ID: 890-3426-32

Date Collected: 11/08/22 12:10 Matrix: Solid Date Received: 11/10/22 13:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	39650	11/15/22 16:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39617	11/16/22 16:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39734	11/17/22 09:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			39621	11/16/22 10:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39457	11/14/22 12:10	DM	EET MIC
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39573	11/15/22 16:28	SM	EET MIC
Soluble	Leach	DI Leach			5 g	50 mL	39446	11/14/22 11:39	KS	EET MIC
Soluble	Analysis	300.0		20			39633	11/15/22 20:43	CH	EET MID

Client Sample ID: FS33 Lab Sample ID: 890-3426-33

Date Collected: 11/08/22 10:10 **Matrix: Solid** Date Received: 11/10/22 13:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	39650	11/15/22 16:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39617	11/16/22 17:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39734	11/17/22 09:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			39621	11/16/22 10:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39457	11/14/22 12:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39573	11/15/22 16:50	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	39446	11/14/22 11:39	KS	EET MID
Soluble	Analysis	300.0		20			39633	11/15/22 20:49	CH	EET MID

Client Sample ID: FS34 Lab Sample ID: 890-3426-34

Date Collected: 11/08/22 10:15 **Matrix: Solid** Date Received: 11/10/22 13:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	39650	11/15/22 16:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39617	11/16/22 17:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39734	11/17/22 09:42	SM	EET MID

Client: Ensolum Job ID: 890-3426-1 Project/Site: Nash 36 SDG: 03E1558117

Client Sample ID: FS34 Lab Sample ID: 890-3426-34

Date Collected: 11/08/22 10:15 Matrix: Solid Date Received: 11/10/22 13:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			39621	11/16/22 10:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39457	11/14/22 12:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39573	11/15/22 17:11	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	39446	11/14/22 11:39	KS	EET MID
Soluble	Analysis	300.0		20			39633	11/15/22 21:06	CH	EET MID

Lab Sample ID: 890-3426-35 **Client Sample ID: FS35 Matrix: Solid**

Date Collected: 11/08/22 10:20 Date Received: 11/10/22 13:33

	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	39650	11/15/22 16:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39617	11/16/22 17:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39734	11/17/22 09:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			39621	11/16/22 10:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39457	11/14/22 12:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39573	11/15/22 17:32	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	39446	11/14/22 11:39	KS	EET MID
Soluble	Analysis	300.0		10			39633	11/15/22 21:12	CH	EET MID

Client Sample ID: FS36 Lab Sample ID: 890-3426-36 Date Collected: 11/08/22 10:25 **Matrix: Solid**

Date Received: 11/10/22 13:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	39650	11/15/22 16:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39617	11/16/22 18:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39734	11/17/22 09:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			39621	11/16/22 10:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	39457	11/14/22 12:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39573	11/15/22 17:54	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	39446	11/14/22 11:39	KS	EET MID
Soluble	Analysis	300.0		20			39633	11/15/22 21:17	CH	EET MID

Lab Sample ID: 890-3426-37 Client Sample ID: FS37

Date Collected: 11/08/22 10:30 Date Received: 11/10/22 13:33

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	39650	11/15/22 16:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39617	11/16/22 18:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39734	11/17/22 09:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			39621	11/16/22 10:16	SM	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.03 g 1 uL	10 mL 1 uL	39457 39573	11/14/22 12:10 11/15/22 18:15	DM SM	EET MID EET MID

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Matrix: Solid

Client: Ensolum Project/Site: Nash 36

Job ID: 890-3426-1

SDG: 03E1558117

Client Sample ID: FS37 Lab Sample ID: 890-3426-37 Date Collected: 11/08/22 10:30

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	39446	11/14/22 11:39	KS	EET MID
Soluble	Analysis	300.0		20			39633	11/15/22 21:23	CH	EET MID

Client Sample ID: FS38 Lab Sample ID: 890-3426-38

Date Collected: 11/08/22 10:35 Date Received: 11/10/22 13:33

Date Received: 11/10/22 13:33

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	39650	11/15/22 16:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39617	11/16/22 18:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39734	11/17/22 09:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			39621	11/16/22 10:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	39457	11/14/22 12:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39573	11/15/22 18:36	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	39446	11/14/22 11:39	KS	EET MID
Soluble	Analysis	300.0		10			39633	11/15/22 21:29	CH	EET MID

Client Sample ID: FS39 Lab Sample ID: 890-3426-39

Date Collected: 11/08/22 10:40 **Matrix: Solid**

Date Received: 11/10/22 13:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	39650	11/15/22 16:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39617	11/16/22 19:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39734	11/17/22 09:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			39621	11/16/22 10:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39457	11/14/22 12:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39573	11/15/22 18:58	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	39446	11/14/22 11:39	KS	EET MID
Soluble	Analysis	300.0		10			39633	11/15/22 21:34	CH	EET MID

Client Sample ID: FS40 Lab Sample ID: 890-3426-40

Date Collected: 11/08/22 10:45 Date Received: 11/10/22 13:33

Matrix: Solid

	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	39650	11/15/22 16:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39617	11/16/22 19:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39734	11/17/22 09:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			39621	11/16/22 10:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	39457	11/14/22 12:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39573	11/15/22 19:19	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	39446	11/14/22 11:39	KS	EET MID
Soluble	Analysis	300.0		20			39633	11/15/22 21:40	CH	EET MID

SDG: 03E1558117

Client Sample ID: FS41

Client: Ensolum

Project/Site: Nash 36

Lab Sample ID: 890-3426-41

Matrix: Solid

Date Collected: 11/08/22 10:50 Date Received: 11/10/22 13:33

	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	39696	11/16/22 10:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39930	11/19/22 06:59	SM	EET MID
Total/NA	Analysis	Total BTEX		1			39734	11/21/22 18:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			39621	11/15/22 13:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39418	11/14/22 10:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39385	11/14/22 21:39	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	39447	11/14/22 11:41	KS	EET MID
Soluble	Analysis	300.0		10			39640	11/15/22 22:48	CH	EET MID

Client Sample ID: FS42 Lab Sample ID: 890-3426-42

Date Collected: 11/08/22 10:55 Matrix: Solid

Date Received: 11/10/22 13:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	39696	11/16/22 10:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39930	11/19/22 07:26	SM	EET MID
Total/NA	Analysis	Total BTEX		1			39734	11/21/22 18:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			39621	11/15/22 13:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	39418	11/14/22 10:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39385	11/14/22 22:44	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	39447	11/14/22 11:41	KS	EET MID
Soluble	Analysis	300.0		20			39640	11/15/22 22:54	CH	EET MID

Client Sample ID: FS43

Lab Sample ID: 890-3426-43 Date Collected: 11/08/22 11:00 **Matrix: Solid** Date Received: 11/10/22 13:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	39696	11/16/22 10:35	MNR	EET MIC
Total/NA	Analysis	8021B		1	5 mL	5 mL	39930	11/19/22 07:52	SM	EET MID
Total/NA	Analysis	Total BTEX		1			39734	11/21/22 18:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			39621	11/15/22 13:49	SM	EET MIC
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39418	11/14/22 10:22	DM	EET MIC
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39385	11/14/22 23:06	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	39447	11/14/22 11:41	KS	EET MID
Soluble	Analysis	300.0		20			39640	11/15/22 22:59	CH	EET MID

Client Sample ID: FS44 Lab Sample ID: 890-3426-44

Date Collected: 11/08/22 11:05 Date Received: 11/10/22 13:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	39696	11/16/22 10:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39930	11/19/22 08:20	SM	EET MID
Total/NA	Analysis	Total BTEX		1			39734	11/21/22 18:12	SM	EET MID

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Matrix: Solid

Client: Ensolum Job ID: 890-3426-1 Project/Site: Nash 36 SDG: 03E1558117

Client Sample ID: FS44 Lab Sample ID: 890-3426-44

Date Collected: 11/08/22 11:05 Matrix: Solid Date Received: 11/10/22 13:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			39621	11/15/22 13:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39418	11/14/22 10:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39385	11/14/22 23:27	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	39447	11/14/22 11:41	KS	EET MID
Soluble	Analysis	300.0		10			39640	11/15/22 23:16	CH	EET MID

Lab Sample ID: 890-3426-45 **Client Sample ID: FS45 Matrix: Solid**

Date Collected: 11/08/22 11:10 Date Received: 11/10/22 13:33

	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	39696	11/16/22 10:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39930	11/19/22 08:47	SM	EET MID
Total/NA	Analysis	Total BTEX		1			39734	11/21/22 18:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			39621	11/15/22 13:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39418	11/14/22 10:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39385	11/14/22 23:49	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	39447	11/14/22 11:41	KS	EET MID
Soluble	Analysis	300.0		20			39640	11/15/22 23:22	CH	EET MID

Client Sample ID: FS46 Lab Sample ID: 890-3426-46

Date Collected: 11/08/22 11:15 **Matrix: Solid** Date Received: 11/10/22 13:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	39696	11/16/22 10:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39930	11/19/22 09:14	SM	EET MID
Total/NA	Analysis	Total BTEX		1			39734	11/21/22 18:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			39621	11/15/22 13:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39418	11/14/22 10:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39385	11/15/22 00:10	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	39447	11/14/22 11:41	KS	EET MID
Soluble	Analysis	300.0		10			39640	11/15/22 23:27	CH	EET MID

Lab Sample ID: 890-3426-47 Client Sample ID: FS47

Date Collected: 11/08/22 12:20 Date Received: 11/10/22 13:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	39696	11/16/22 10:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39930	11/19/22 09:41	SM	EET MID
Total/NA	Analysis	Total BTEX		1			39734	11/21/22 18:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			39621	11/15/22 13:49	SM	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.00 g 1 uL	10 mL 1 uL	39418 39385	11/14/22 10:22 11/15/22 00:31	DM SM	EET MID EET MID

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Matrix: Solid

 Client: Ensolum
 Job ID: 890-3426-1

 Project/Site: Nash 36
 SDG: 03E1558117

Client Sample ID: FS47 Lab Sample ID: 890-3426-47

Date Collected: 11/08/22 12:20

Date Received: 11/10/22 13:33

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	39447	11/14/22 11:41	KS	EET MID
Soluble	Analysis	300.0		20			39640	11/15/22 23:33	CH	EET MID

Client Sample ID: FS48 Lab Sample ID: 890-3426-48

Date Collected: 11/08/22 12:15 Matrix: Solid

Date Received: 11/10/22 13:33

	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	39696	11/16/22 10:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39930	11/19/22 10:08	SM	EET MID
Total/NA	Analysis	Total BTEX		1			39734	11/21/22 18:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			39621	11/15/22 13:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39418	11/14/22 10:22	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39385	11/15/22 00:52	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	39447	11/14/22 11:41	KS	EET MID
Soluble	Analysis	300.0		20			39640	11/15/22 23:39	CH	EET MID

Laboratory References:

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

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Accreditation/Certification Summary

 Client: Ensolum
 Job ID: 890-3426-1

 Project/Site: Nash 36
 SDG: 03E1558117

Laboratory: Eurofins Midland

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

Authority	Pr	ogram	Identification Number	Expiration Date
Texas	NE	ELAP	T104704400-22-24	06-30-23
The following analytes	are included in this report by		and because the analysis of the contract of th	
the agency does not of	• '	it the laboratory is not certifi	ed by the governing authority. This list ma	ay include analytes for
,	• '	Matrix	ed by the governing authority. This list ma	ay include analytes for
the agency does not of	fer certification.	•	, , ,	ay include analytes for

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Method Summary

 Client: Ensolum
 Job ID: 890-3426-1

 Project/Site: Nash 36
 SDG: 03E1558117

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

Protocol References:

ASTM = ASTM International

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

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Sample Summary

Client: Ensolum Project/Site: Nash 36 Job ID: 890-3426-1

SDG: 03E1558117

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-3426-1	FS01	Solid	11/07/22 09:00	11/10/22 13:33	0.5'
890-3426-2	FS02	Solid	11/07/22 09:45	11/10/22 13:33	0.5'
890-3426-3	FS03	Solid	11/07/22 10:45	11/10/22 13:33	0.5'
890-3426-4	FS04	Solid	11/07/22 10:50	11/10/22 13:33	0.5'
890-3426-5	FS05	Solid	11/07/22 11:55	11/10/22 13:33	0.5'
890-3426-6	FS06	Solid	11/07/22 12:00	11/10/22 13:33	0.5'
890-3426-7	FS07	Solid	11/07/22 12:05	11/10/22 13:33	0.5'
890-3426-8	FS08	Solid	11/07/22 12:10	11/10/22 13:33	0.5'
890-3426-9	FS09	Solid	11/07/22 12:40	11/10/22 13:33	0.5'
890-3426-10	FS10	Solid	11/07/22 12:15	11/10/22 13:33	0.5'
890-3426-11	FS11	Solid	11/07/22 12:20	11/10/22 13:33	0.5'
890-3426-12	FS12	Solid	11/07/22 12:25	11/10/22 13:33	0.5'
890-3426-13	FS13	Solid	11/07/22 12:30	11/10/22 13:33	0.5'
890-3426-14	FS14	Solid	11/07/22 14:30	11/10/22 13:33	0.5'
890-3426-15	FS15	Solid	11/07/22 14:35	11/10/22 13:33	0.5'
890-3426-16	FS16	Solid	11/07/22 14:40	11/10/22 13:33	0.5'
890-3426-17	FS17	Solid	11/07/22 14:45	11/10/22 13:33	0.5'
890-3426-18	FS18	Solid	11/07/22 14:50	11/10/22 13:33	0.5'
890-3426-19	FS19	Solid	11/07/22 14:55	11/10/22 13:33	0.5'
890-3426-20	FS20	Solid	11/07/22 15:00	11/10/22 13:33	0.5'
890-3426-21	FS21	Solid	11/07/22 15:05	11/10/22 13:33	0.5'
890-3426-22	FS22	Solid	11/07/22 15:10	11/10/22 13:33	0.5'
890-3426-23	FS23	Solid	11/07/22 15:15	11/10/22 13:33	0.5'
890-3426-24	FS24	Solid	11/08/22 11:30	11/10/22 13:33	1'
890-3426-25	FS25	Solid	11/08/22 11:35	11/10/22 13:33	1'
890-3426-26	FS26	Solid	11/08/22 11:40	11/10/22 13:33	1'
890-3426-27	FS27	Solid	11/08/22 11:45	11/10/22 13:33	1'
890-3426-28	FS28	Solid	11/08/22 11:50	11/10/22 13:33	1'
890-3426-29	FS29	Solid	11/08/22 12:30	11/10/22 13:33	1'
890-3426-30	FS30	Solid	11/08/22 12:00	11/10/22 13:33	1'
890-3426-31	FS31	Solid	11/08/22 12:05	11/10/22 13:33	1'
890-3426-32	FS32	Solid	11/08/22 12:10	11/10/22 13:33	1'
890-3426-33	FS33	Solid	11/08/22 10:10	11/10/22 13:33	0.5'
890-3426-34	FS34	Solid	11/08/22 10:15	11/10/22 13:33	0.5'
890-3426-35	FS35	Solid	11/08/22 10:20	11/10/22 13:33	0.5'
890-3426-36	FS36	Solid	11/08/22 10:25	11/10/22 13:33	0.5'
890-3426-37	FS37	Solid	11/08/22 10:30	11/10/22 13:33	0.5'
890-3426-38	FS38	Solid	11/08/22 10:35	11/10/22 13:33	0.5'
890-3426-39	FS39	Solid	11/08/22 10:40	11/10/22 13:33	0.5'
890-3426-40	FS40	Solid	11/08/22 10:45	11/10/22 13:33	0.5'
890-3426-41	FS41	Solid	11/08/22 10:50	11/10/22 13:33	0.5'
890-3426-42	FS42	Solid	11/08/22 10:55	11/10/22 13:33	0.5'
890-3426-43	FS43	Solid	11/08/22 11:00	11/10/22 13:33	0.5'
890-3426-44	FS44	Solid	11/08/22 11:05	11/10/22 13:33	0.5'
890-3426-45	FS45	Solid	11/08/22 11:10	11/10/22 13:33	0.5'
890-3426-46	FS46	Solid	11/08/22 11:15	11/10/22 13:33	0.5'
890-3426-47	FS47	Solid	11/08/22 12:20	11/10/22 13:33	1'

Eurofins Carlsbad 11/21/2022

Chain of Custody

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Received by: (Signature) Date/Time	(e)	Date/Time Relinquished by: (Signature)	e)	Received by: (Signature)	y: (Signature)	Relinquished by: (Signature)
	ard terms and conditions nces beyond the control unless 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 condition of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$35.00 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 rego	er from client company to Eurofi nsibility for any losses or expens for each sample submitted to Eu	of samples constitutes a valid purchase ord of samples and shall not assume any responsions applied to each project and a charge of \$5	cument and relinquishment c will be liable only for the cost rum charge of \$85.00 will be a	Notice: Signature of this do of service. Eurofins Xenco of Eurofins Xenco. A minir
631 / 245.1 /		Cd Cr Co Cu Pb Mn	PLP 6010 : 8RCRA SI	oli Cia	nd Me	Circle Method(s) ar
SiO, Na Sr TI Sn U V Zn	Ph Ma Mn Mo Ni K Se Aa	R Cd Ca Cr Co Cu Fe	M Tayas 11 Al Sh As Ra Re	SBC	10 200 8 / 6020:	
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Cost Center				1050)4	FS 04
				1045	2	FS03
nAPP2224336187				0945	2	FS02
Incident#:		XXX	0.5' C	S W7/22 0900		FSO
Sample Comments		BT	Depth Grab/ # of Cont	Matrix Date Time Sampled Sampled		Sample Identification
NAOTI+ASCOIDIC ACIO. SAFEC	-	10	7.0	Corrected Temperature:		Total Containers:
Zn Acetate+NaOH: Zn	in of Custody		147	NA Temperature Reading:	Yes No	Sample Custody Seals:
Na ₂ 3 ₂ O ₃ , Na ₃ O ₃		les	- C - H	N/A \ Correction Factor:	Yes 76	Cooler Custody Seals:
NAHOO 4: NABIO			LOM COT	Thermometer ID:	(Yes) N	Samples Received Intact:
H ₃ PO ₄ : HP			No nete	nk: (es) No Wet Ice:	Temp Blank:	SAMPLE RECEIPT
						**
HCL: HC HNO 3: HN			TAT starts the day received by the lab. if received by 4:30pm	Roberts	Meredith	Sampler's Name:
0				-103,94173 Due Date:	32.31651-	Project Location:
None: NO DI Water: H ₂ O			Rush Code	- NRoutine	03E1558117	Project Number:
Preservative Codes	REQUEST	ANALYSIS REQUE	Turn Around	Turn	Nash 36	Project Name:
ADaPT Other:	Deliverables: EDD	Gennings Censolum, com	Kaconio		817-683-2503	Phone:
Level III PST/UST TRRP Level IV	Reporting: Level II Level III	Carisbad, NM 88220	City, State ZIP:	38 MN	Carlsbad	City, State ZIP:
	State of Project:	3104 E Greene St	Address:	Parks Hwy	3122 Nat'	Address:
UST/PST PRP Brownfields RRC Superfund	Program: UST/PST	XTO Energy	Company Name:	TTC 7	Ensolum	Company Name:
Work Order Comments	W	Ganett Green	Bill to: (if different)	Conings	Kalenda	Project Manager:
www.xenco.com Page of 5	WWW					
		Hobbs, NM (575) 392-7550. Carlsbad, NM (575) 988-3199	Hobbs NM (57			
		1 / 0+0+0, 3dl Alliollo, 10 (410) 303-333-	FI Daga TY (01		Xenco	
Work Order No:	Work (Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland TX (432) 704-5440 San Antonio TX (210) 509-3334	Houston, TX (Environment Testing		& caronins

Revised Date: 08/25/2020 Rev. 2020.2

eurofins

Xenco

Environment Testing

Chain of Custody

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

Preservative Codes	UEST	ANALYSIS REQUEST	Turn Around
ADaPT Other:	Deliverables: EDD ADal	mail: Kjennings@enselum.com	Kjennings
2ST/UST TRRP Level IV	evel III	Carisbad, NM 88220	City, State ZiP:
	State of Project:	3104 E Greene St	Address:
wnfields RRC Superfund	Program: UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐	XTO Freegy	Company Name:
mments	Work Order Comments	Graniett Green	Bill to: (if different)
Page A of 5	www.xenco.com	Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	Hobbs, NM (s
		EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296	EL Paso, TX (9
	Work Order No:	Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334	Midland, TX (4)

Project Name: Incluent Project Number: roject Location:

nApp 2224236187 32.2651,-103.94173

Rush

Code

None: NO

MeOH: Me DI Water: H₂O Nash 36

817-685-2503 Carlsbad, NM 88220

City, State ZIP: Address: ompany Name:

3122 Nati Parks Hwy

Ensolum, LLC

Kalei

Jennings

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Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	ignature)	Received by: (Signature)	ture)	Relinquished by: (Signature)
	ons rol spotiated.	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 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.	Eurofins Xenco, its affiliates an expenses incurred by the client d to Eurofins Xenco, but not an	urchase order from client company t we any responsibility for any losses or harge of \$5 for each sample submitte	es constitutes a valid po Hes and shall not assum to each project and a cl	relinquishment of sampl only for the cost of samp of \$85.00 will be applied	stice: Signature of this document an service. Eurofins Xenco will be liable Eurofins Xenco. A minimum charge
7471	U Hg: 1631 / 245.1 / 7470 / 7471	TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U	A Sb As Ba Be Cd	TCLP / SPLP 6010 : 8RCF		etal(s) to be ana	Circle Method(s) and Metal(s) to be analyzed
V Zn	VI K Se	Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo	Sb As Ba Be B Co	8RCRA 13PPM Texas 11 Al Sb As Ba	8RCR/	200.8 / 6020:	Total 200.7 / 6010
			* * *	1500 + +	*	+	F\$20
		+		455			FSIG
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Center:	(ast			1430 0.5	1	~	ES14
				1230 4	/		FS13
63EI 558117	631			1325	10		FSI2
the contract #	*		- X X	1220 0.51 C	11/11/11	S	FSII
Sample Comments	San		BTI Chi	Time Depth Comp	Date Sampled Sa	Matrix	Sample Identification
NaOH+Ascorbic Acid: SAPC	NaOH+As		01	erature:	Corrected Temperature		Total Containers:
Zn Acetate+NaOH: Zn	Zn Acetai			ding:	Temperatura reading:	Yes No N/A	Sample Custody Seals:
: NaSO 3	Na ₂ S ₂ O ₃ : NaSO ₃				Correction Eactor	Yes No N/A	Cooler Custody Seals:
: NABIS	NaHSO 4: NABIS		aram		Thermometer 10:	Yes No	Samples Received Intact:
P	H ₃ PO ₄ : HP		neter	Wet Ice: Yes No	Yes No W	Temp Blank:	SAMPLE RECEIPT
NaOH: Na	H ₂ SO ₄ : H ₂		s	the lab, if received by 4:30pm			
HNO 3: HN	HCL: HC			TAT starts the day received by	\dashv	Meredita Ro	
MeOH: Me	Cool: Cool		_	Due Date:		32.3651,-103.94173	Project Location: 32

eurofins

Xenco

Environment Testing

Project Manager Company Name:

Kalea

Bill to: (if different) Company Name:

Garrett Green

Chain of Custody

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

Work Order No:
www.xenco.com Page 3 of 5
Work Order Comments
Program: UST/PST PRP Brownfields RRC Superfund
State of Project:
Reporting: Level II Level III PST/UST TRRP Level IV

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Received by: (Signature) Date/Time		Relinquished by: (Signature)	Date/Time		<u>e</u>)	Received by: (Signature)	Received b	ure)	by: (Signat	Relinquished by: (Signature)
	ess previously negotiated.	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	es incurred by the client if rofins Xenco, but not anal	losses or expens	nsibility for any l	assume any respo	ies constitutes a vies and shall not to each project a	only for the cost of samp of \$85.00 will be applied	co will be liable	service. Eurofins Xen Eurofins Xenco. A mi
TG: 1031 / 243.1 / /4/0 / /4/1		ICLP/SPLP6010: 8KCKA SD AS BA BE CD CY CO CU PD WIN MO NI	O AS Ba Be Cd C	SKCKA SI	PLP 6010 :	ICLP/S	lyzed	Circle Method(s) and Metal(s) to be analyzed	s) and Me	ircle Method
Na Sr Tl Sn I	g Mn Mo Ni K Se	Ca Cr Co Cu Fe Pb Mi	As Ba Be B Cd	11 Al Sb	M Texas	8RCRA 13PPM Texas 11 Al Sb		200.8 / 6020:	5010	Total 200.7 / 6010
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Sample Comments			B7 Tr	Grab/ # of Comp Cont	Depth	Time Sampled	Date Sampled	Matrix	Sample Identification	Sample ic
NaOH+Ascorbic Acid: SAPC			'H	C	4	emperature:	Corrected Temperature			Total Containers:
Zn Acetate+NaOH: Zn					1	e Reading:	Temperature Reading:	Yes No NIA	eals:	Sample Custody Seals:
Na ₂ S ₂ O ₃ : NaSO ₃			le.	P	9	actor:	Correction Factor:	Yes No NA	als:	Cooler Custody Seals:
NaHSO 4: NABIS			S	H	the Co	er ID:	Thermometer ID:	(fee) No	Intact:	Samples Received Intact:
H₃PO ;: HP				eters	No No	Wet Ice:	(S) No	Temp Blank:	PT	SAMPLE RECEIPT
H ₂ SO ₄ : H ₂ NaOH: Na					the lab, if received by 4:30pm	the lab, if rec				PO #:
HCL: HC HNO 3: HN				by	TAT starts the day received by		ber to	Movedith Roberts	<u></u>	Sampler's Name:
Cool: Cool MeOH: Me						Due Date:	.94173	23651, -105.94173	32	Project Location:
None: NO DI Water: H ₂ O				Pres. Code	Rush	Routine		03E1558117	0	Project Number:
Preservative Codes	UEST	ANALYSIS REQ			Turn Around	Turn		Nash 36	7	Project Name:
EDD ADaPT Other:	Deliverables: EE	W.CO.	Censolum com	Kjeanings		Email:	503	817.683.2503	œ	Phone:
Reporting: Level II Level III PST/UST TRRP Level IV	Reporting: Level II	NM 88220	Carisbad	ZIP:	City, State ZIP:	88220	88 WN	arisbad, A	Car	City, State ZIP:
	State of Project:	reene st	SID4 E Greene		Address:	Hwy	Parks	3122 Natil Parks Huy	312	Address:

eurofins	fine		0	Chain of Custody	ody		
	-	Environment Testing	Midland, TX (Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334	o, TX (210) 509-3334	Work Order No:	
	Xenco		EL Paso, TX	EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296	X (806) 794-1296		
			Hobbs, NM	Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	VM (575) 988-3199	www.xenco.com Pa	Page A of 5
Project Manager:	Kales Jennings	505	Bill to: (if different)	Garrett	H Green	Work Order Comments	ents
Company Name:	-		Company Name:	XTO	6	Program: UST/PST PRP Brownfields	lds RRC Superfund
Address:		Parks Hwy	Address:	3104 E G	Greene St	State of Project:	
City, State ZIP:	shad,	C	City, State ZIP:	6	NM 88220	Reporting: Level Level PST/UST	ST TRRP Level IV
Phone:	0.	2503 Email:	T.	con nings@ensolum.com	W. CW.	Deliverables: EDD ADaPT	Other:
Project Name:	Nash 36	Turr	Turn Around		ANALYSIS REQU	UEST	Preservative Codes
Project Number:	M	L AROUT	Rush Code	0.2		None	None: NO DI Water: H ₂ O
Project Location:	51	103.941 BDue Date:				Cool:	Cool: Cool MeOH: Me
Sampler's Name:			TAT starts the day received by the lab, if received by 4:30pm			H ₂ S0 4:H	H ₂ SO ₄ : H ₂ NaOH: Na
SAMPLE RECEIPT	Temp Blank:	(es)No Wet ice:	Nes No			Н₃РО	H₃PO 4: HP
Samples Received Intact	(fes) No	Thermometer ID:	75-207			NaHS	NaHSO 4: NABIS
Cooler Custody Seals:	Yes No WA	Correction Factor:	1			Na ₂ S	Na ₂ S ₂ O ₃ ; NaSO ₃
Sample Custody Seals:	Tes No NA	remperature neading:		4			NaOH+Ascorbic Acid: SAPC
		Date Time	Grab/ # of	TE			Cample Comments
Control of the Contro		Sampled Sampled	Comp Cont	Ē			
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FS33		1010	0.5			,	
FS34		1015				Ce	est Center
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FS37		1030					
FS38		1035					
F839		1040					
FS40	+	V 1045	4	+ + +			
Total 200.7 / 6010 Circle Method(s) ar	Total 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed	8RCR	13PPM Texas 11 Al Sb LP/SPLP6010: 8RCRA Sk	b As Ba Be B Cd Sb As Ba Be Cd C	A 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg TCLP/SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni S	g Mn Mo Ni K Se Ag SiO ₂ Na Sr Tl Sn Se Ag Tl U Hg: 1631/245.1/7470	TI Sn U V Zn '7470 /7471
Notice: Signature of this docur of service. Eurofins Xenco will	ment and relinquishment of samples be liable only for the cost of samples	constitutes a valid purchase orders and shall not assume any resp	der from client company to Eu	rofins Xenco, its affiliates and senses incurred by the client if s	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 losses are due to circumstances beyond the control	s and conditions ond the control	
Relinguished by: (Signature)	Signature)	Received by: (Signature)	e)	Date/Time	Relinquished by: (Signature) Received by: (Signature) Date/Time Relinquished by: (Signature) R	re) Received by: (Signature)	Date/Time
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Signature) Date/Time	ure) Received by: (Signature)		me	Dat		Received by: (Signature)	Received b		y: (Signature	Relinquished by: (Signature)
	ns and conditions yond the control ss previously negotiated.	Notice. Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofina Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofina 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 nego	nco, Its affiliates ar urred by the client Xenco, but not an	o Eurofins Xer expenses incu ed to Eurofins	r from client company t sibility for any losses or rr each sample submitte	alid purchase orde assume any respon nd a charge of \$5 fo	es constitutes a v les and shall not a lo each project ar	quishment of sampl for the cost of samp 5.00 will be applied t	ocument and relin will be liable only mum charge of \$8	Notice: Signature of this dof service. Eurofins Xenco of Eurofins Xenco. A minir
Ag SiO ₂ Na Sr Tl Sn U V Zn Hg: 1631 / 245.1 / 7470 / 7471	Ji K Se	A 13PPM Texas 11 AI Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo N TCLP/SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U	Ba Be B Cd o	Al Sb As Ba Be CRA Sb As Ba Be	13PPM Texas 11 A :LP/SPLP 6010 : 8RCF	8RCRA 13PPI TCLP/SP	9F lyzed	200.8 / 6020: tal(s) to be ana	010 20) and Metal	Total 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed
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1137151001						0111			5	FS45
Cost Center						1105			4	FS4
						1100			(1)	FS43
nAPP2224236187						1055	,	_	2	£542
Incident #:			X X	_ X	0.5/ C	1050	72/8/N	S		FS4
Sample Comments			TH	Cont B	Depth Comp	Time Sampled	Date Sampled	Matrix	ntification	Sample Identification
NaOH+Ascorbic Acid: SAPC			24	TE		emperature:	Corrected Temperature:			Total Containers:
Zn Acetate+NaOH: Zn		.0		- Y		Reading:	Temperature Reading:	No N/A	als: Yes	Sample Custody Seals:
Na ₂ S ₂ O ₃ : NaSO ₃			، سرا	Pa		acto:	Correction Factor	No N/A	ls: Yes	Cooler Custody Seals:
NaHSO 4: NABIS				aram		To the second	Thermometer ID:	Yes No		Samples Received Intact:
H ₃ PO ₄ : HP			ļ	neter	Yes No	Wet Ice.	Yes No	Temp Blank:		SAMPLE RECEIPT
12				s	ved by 4:30pm	the lab, if received by 4:30pm			1.16460111	PO #:
HCL: HC HNO 3: HN					lay received by	TAT starts the		_	10.7C	Project Location:
			+	Code				0001	2000	Project Number:
None: NO DI Water: H ₂ O		ANALYSIS REQUEST		Pres	Turn Around	Turn /		Nacher 36	Nacie	Project Name:
:						Lindi		0000	01	Tione.
ADaPT Other:	Deliverables: EDD					Email.		7	0.5	D.
el III 🔲 PST/UST 🔲 TRRP 📗 Level IV 📗	Reporting: Level II Level III				City, State ZIP:		1	326	Carlo	City, State ZIP:
	State of Project:				Address:	Hwy	Parks	Nati	3122	Address:
P☐ Brownfields☐ RRC☐ Superfund☐	Program: UST/PST PRP				Company Name:		TCC	6	Ensi	Company Name:
Work Order Comments	Work				Bill to: (if different)		nas	denning	Kalci	Project Manager:
www.xenco.com Page 5 of 5	www.xer	HODDS, NIM (313) 324 1330, Callabad, NIM (313) 200 3132	Action, Calibra	Ser for to laim	nobos,					
		EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296	15-3443, Lubboci	TX (915) 58	EL Paso,			Xenco		
er No:	Work Order No:	Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334	1-5440, San Anto	TX (432) 704	Midland,	sting	Environment Testing	Environ		
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		stodv	Chain of Custody	Chai						

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-3426-1

SDG Number: 03E1558117

Login Number: 3426 List Source: Eurofins Carlsbad

List Number: 1

Creator: Stutzman, Amanda

Question Answer Comment The cooler's custody seal, if present, is intact. True Sample custody seals, if present, are intact. True The cooler or samples do not appear to have been compromised or True tampered with. Samples were received on ice. True True Cooler Temperature is acceptable. 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 True HTs) True Sample containers have legible labels. 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 N/A Sample Preservation Verified. There is sufficient vol. for all requested analyses, incl. any requested True MS/MSDs Containers requiring zero headspace have no headspace or bubble is N/A

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<6mm (1/4").

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-3426-1

SDG Number: 03E1558117

Login Number: 3426
List Source: Eurofins Midland
List Number: 2
List Creation: 11/14/22 08:39 AM

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	

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<6mm (1/4").

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

Generated 11/21/2022 5:28:44 PM

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

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

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Kalei Jennings Ensolum 601 N. Marienfeld St. Suite 400

Midland, Texas 79701

Generated 12/19/2022 4:40:15 PM

JOB DESCRIPTION

Nash 36 SDG NUMBER 03E1558117

JOB NUMBER

890-3601-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

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

Generated 12/19/2022 4:40:15 PM

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

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Page 2 of 22

Client: Ensolum
Project/Site: Nash 36
Laboratory Job ID: 890-3601-1
SDG: 03E1558117

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Definitions/Glossary

 Client: Ensolum
 Job ID: 890-3601-1

 Project/Site: Nash 36
 SDG: 03E1558117

Qualifiers

GC VOA Qualifier

F1 MS and/or MSD recovery exceeds control limits.

Qualifier Description

F2 MS/MSD RPD exceeds control limits

U Indicates the analyte was analyzed for but not detected.

GC Semi VOA

S1+ Surrogate recovery exceeds control limits, high biased.
U Indicates the analyte was analyzed for but not detected.

HPLC/IC

U Indicates the analyte was analyzed for but not detected.

Glossary

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

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

%R Percent Recovery

CFL Contains Free Liquid

CFU Colony Forming Unit

CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

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

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

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

NC Not Calculated

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

NEG Negative / Absent
POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

TNTC Too Numerous To Count

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Case Narrative

 Client: Ensolum
 Job ID: 890-3601-1

 Project/Site: Nash 36
 SDG: 03E1558117

Job ID: 890-3601-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-3601-1

Receipt

The samples were received on 12/7/2022 3:45 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 3.6°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: FS49 (890-3601-1), FS50 (890-3601-2) and FS51 (890-3601-3).

GC VOA

Method 8021B: The following samples were diluted due to the nature of the sample matrix: (890-3601-A-1-C MS) and (890-3601-A-1-D MSD). Because of this dilution, the surrogate spike and matrix spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

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 880-41491 and analytical batch 880-41523 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-41523/5), (LCS 880-41491/2-A) and (LCSD 880-41491/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The method blank for preparation batch 880-41491 and analytical batch 880-41523 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.

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.

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Lab Sample ID: 890-3601-1

Client Sample Results

 Client: Ensolum
 Job ID: 890-3601-1

 Project/Site: Nash 36
 SDG: 03E1558117

Client Sample ID: FS49

Date Collected: 12/06/22 15:40 Date Received: 12/07/22 15:45

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F2 F1	0.00200	mg/Kg		12/15/22 15:22	12/17/22 09:09	1
Toluene	<0.00200	U F1	0.00200	mg/Kg		12/15/22 15:22	12/17/22 09:09	1
Ethylbenzene	<0.00200	U F1	0.00200	mg/Kg		12/15/22 15:22	12/17/22 09:09	1
m-Xylene & p-Xylene	<0.00401	U F1	0.00401	mg/Kg		12/15/22 15:22	12/17/22 09:09	1
o-Xylene	<0.00200	U F1	0.00200	mg/Kg		12/15/22 15:22	12/17/22 09:09	1
Xylenes, Total	<0.00401	U F1	0.00401	mg/Kg		12/15/22 15:22	12/17/22 09:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130			12/15/22 15:22	12/17/22 09:09	1
1,4-Difluorobenzene (Surr)	96		70 - 130			12/15/22 15:22	12/17/22 09:09	1
Method: TAL SOP Total BTEX -	Total BTEX Cald	ulation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			12/19/22 16:21	1
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	<u>D</u>	Prepared	Analyzed	
	•	Qualifier	•	<mark>Unit</mark> mg/Kg	<u>D</u>	Prepared	Analyzed 12/12/22 12:52	
Analyte Total TPH	Result <50.0	Qualifier U	RL 50.0		<u>D</u>	Prepared		
Analyte	Result <50.0 sel Range Orga	Qualifier U	RL 50.0		<u>D</u>	Prepared Prepared		1
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics	Result <50.0 sel Range Orga	Qualifier Unics (DRO) Qualifier	RL 50.0	mg/Kg			12/12/22 12:52	1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.0 sel Range Orga Result	Qualifier U nics (DRO) Qualifier U	RL 50.0 (GC)	mg/Kg		Prepared	12/12/22 12:52 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die: Analyte Gasoline Range Organics (GRO)-C6-C10	Result <50.0 Sel Range Orga Result <50.0	Qualifier U nics (DRO) Qualifier U	RL 50.0 (GC) RL 50.0	mg/Kg Unit mg/Kg		Prepared 12/09/22 14:59	12/12/22 12:52 Analyzed 12/11/22 19:17	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die: Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result	Qualifier U nics (DRO) Qualifier U U	RL 50.0 (GC) RL 50.0 50.0	mg/Kg Unit mg/Kg mg/Kg		Prepared 12/09/22 14:59 12/09/22 14:59	12/12/22 12:52 Analyzed 12/11/22 19:17 12/11/22 19:17	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)	Result	Qualifier U nics (DRO) Qualifier U U	RL 50.0 (GC) RL 50.0 50.0	mg/Kg Unit mg/Kg mg/Kg		Prepared 12/09/22 14:59 12/09/22 14:59	Analyzed 12/11/22 19:17 12/11/22 19:17 12/11/22 19:17	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	Result	Qualifier U nics (DRO) Qualifier U U	RL 50.0 (GC) RL 50.0 50.0 50.0 Limits	mg/Kg Unit mg/Kg mg/Kg		Prepared 12/09/22 14:59 12/09/22 14:59 12/09/22 14:59 Prepared	Analyzed 12/11/22 19:17 12/11/22 19:17 12/11/22 19:17 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result <50.0	Qualifier U nics (DRO) Qualifier U U Qualifier	RL 50.0 (GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 12/09/22 14:59 12/09/22 14:59 12/09/22 14:59 Prepared 12/09/22 14:59	Analyzed 12/11/22 19:17 12/11/22 19:17 12/11/22 19:17 Analyzed 12/11/22 19:17	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result <50.0	Qualifier U nics (DRO) Qualifier U U Qualifier	RL 50.0 (GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 12/09/22 14:59 12/09/22 14:59 12/09/22 14:59 Prepared 12/09/22 14:59	Analyzed 12/11/22 19:17 12/11/22 19:17 12/11/22 19:17 Analyzed 12/11/22 19:17	Dil Fac Dil Fac 1 Dil Fac 1 Dil Fac 1 Dil Fac

Client Sample ID: FS50

Date Collected: 12/06/22 15:45

Date Received: 12/07/22 15:45

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		12/15/22 15:22	12/17/22 09:30	1
Toluene	<0.00201	U	0.00201	mg/Kg		12/15/22 15:22	12/17/22 09:30	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		12/15/22 15:22	12/17/22 09:30	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		12/15/22 15:22	12/17/22 09:30	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		12/15/22 15:22	12/17/22 09:30	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		12/15/22 15:22	12/17/22 09:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			12/15/22 15:22	12/17/22 09:30	

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Matrix: Solid

Lab Sample ID: 890-3601-2

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Lab Sample ID: 890-3601-2

Job ID: 890-3601-1 SDG: 03E1558117

Client Sample ID: FS50

Date Collected: 12/06/22 15:45 Date Received: 12/07/22 15:45

Sample Depth: 0.5'

Client: Ensolum

Project/Site: Nash 36

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

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	95	70 - 130	12/15/22 15:22	12/17/22 09:30	1

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402 U	0.00402	ma/Ka			12/19/22 16:21	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (0	н						
	ı	Mothod: CIMOAC ODAE NIM	Discal Bangs	Organica	(DDO)		١.
	н	MELITOU. SYVO40 OUTS INIVI-	· Diesei Kaliue	Organics	IURUI	uu	

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/12/22 12:52	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/09/22 14:59	12/11/22 19:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/09/22 14:59	12/11/22 19:39	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/09/22 14:59	12/11/22 19:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac

Surrogate	%Recovery Qu	ualifier Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103	70 - 130	12/09/22 14:59	12/11/22 19:39	1
o-Terphenyl	104	70 - 130	12/09/22 14:59	12/11/22 19:39	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	232		24.9	mg/Kg			12/14/22 09:50	5

Client Sample ID: FS51 Lab Sample ID: 890-3601-3

Date Collected: 12/06/22 15:50 Date Received: 12/07/22 15:45

Sample Depth: 0.5'

1,4-Difluorobenzene (Surr)

Method: SW846 8021B -	M-1-4!1- O	0 (00)

Jigailic Collip	ounds (GC)						
Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
<0.00199	U	0.00199	mg/Kg		12/15/22 15:22	12/17/22 09:50	1
<0.00199	U	0.00199	mg/Kg		12/15/22 15:22	12/17/22 09:50	1
<0.00199	U	0.00199	mg/Kg		12/15/22 15:22	12/17/22 09:50	1
<0.00398	U	0.00398	mg/Kg		12/15/22 15:22	12/17/22 09:50	1
<0.00199	U	0.00199	mg/Kg		12/15/22 15:22	12/17/22 09:50	1
<0.00398	U	0.00398	mg/Kg		12/15/22 15:22	12/17/22 09:50	1
%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
111		70 - 130			12/15/22 15:22	12/17/22 09:50	1
	Result <0.00199 <0.00199 <0.00199 <0.00398 <0.00398 <0.00398 <%Recovery	Result Qualifier	<pre><0.00199 U</pre>	Result Qualifier RL Unit <0.00199	Result Qualifier RL Unit D <0.00199	Result Qualifier RL Unit D Prepared <0.00199	Result Qualifier RL Unit D Prepared Analyzed <0.00199

-	_	
	Method: TAL SOP Total BTEX - Total BTEX Calculation	

mothodi irtz oor rotal bi bit	. otal Billy oal	Julution						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			12/19/22 16:21	1

70 - 130

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC	Method:	: SW846 8015 N	M - Diesel R	ange Ord	ianics (DRO)	(GC
---	---------	----------------	--------------	----------	----------	------	-----

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/12/22 12:52	1

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12/15/22 15:22 12/17/22 09:50

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Matrix: Solid

Lab Sample ID: 890-3601-3

12/14/22 09:56

Client Sample Results

 Client: Ensolum
 Job ID: 890-3601-1

 Project/Site: Nash 36
 SDG: 03E1558117

Client Sample ID: FS51

Date Collected: 12/06/22 15:50 Date Received: 12/07/22 15:45

Sample Depth: 0.5'

Chloride

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		12/09/22 14:59	12/11/22 20:02	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		12/09/22 14:59	12/11/22 20:02	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/09/22 14:59	12/11/22 20:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130			12/09/22 14:59	12/11/22 20:02	1
o-Terphenyl	100		70 - 130			12/09/22 14:59	12/11/22 20:02	1
- -								
Method: MCAWW 300.0 - Anions	lon Chromato	graphy - S	oluble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

25.2

310

mg/Kg

12

5

13

Surrogate Summary

Job ID: 890-3601-1 Client: Ensolum Project/Site: Nash 36 SDG: 03E1558117

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
390-3601-1	FS49	103	96	
390-3601-1 MS	FS49	85	92	
390-3601-1 MSD	FS49	86	89	
390-3601-2	FS50	112	95	
390-3601-3	FS51	111	93	
LCS 880-41943/1-A	Lab Control Sample	97	95	
_CSD 880-41943/2-A	Lab Control Sample Dup	94	94	
MB 880-41938/5-A	Method Blank	92	93	
MB 880-41943/5-A	Method Blank	97	90	
Surrogate Legend				

DFBZ = 1,4-Difluorobenzene (Surr)

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

Prep Type: Total/NA **Matrix: Solid**

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-22554-A-1-B MS	Matrix Spike	104	83	
880-22554-A-1-C MSD	Matrix Spike Duplicate	109	86	
890-3601-1	FS49	112	111	
890-3601-2	FS50	103	104	
890-3601-3	FS51	101	100	
LCS 880-41491/2-A	Lab Control Sample	147 S1+	136 S1+	
LCSD 880-41491/3-A	Lab Control Sample Dup	144 S1+	136 S1+	
MB 880-41491/1-A	Method Blank	113	151 S1+	

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: Ensolum Job ID: 890-3601-1 Project/Site: Nash 36 SDG: 03E1558117

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-41938/5-A

Matrix: Solid Analysis Batch: 41993 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41938

	MB	мв						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/15/22 14:55	12/16/22 22:04	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/15/22 14:55	12/16/22 22:04	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/15/22 14:55	12/16/22 22:04	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		12/15/22 14:55	12/16/22 22:04	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/15/22 14:55	12/16/22 22:04	1
Xylenes, Total	< 0.00400	U	0.00400	mg/Kg		12/15/22 14:55	12/16/22 22:04	1

MB MB

Surrogate	%Recovery Quality	fier Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92	70 - 130	12/15/22 14:55	12/16/22 22:04	1
1,4-Difluorobenzene (Surr)	93	70 ₋ 130	12/15/22 14:55	12/16/22 22:04	1

Lab Sample ID: MB 880-41943/5-A

Matrix: Solid

Analysis Batch: 41993

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41943

MR MR Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Benzene <0.00200 U 0.00200 mg/Kg 12/15/22 15:22 12/17/22 08:47 Toluene <0.00200 U 0.00200 mg/Kg 12/15/22 15:22 12/17/22 08:47 Ethylbenzene <0.00200 U 0.00200 mg/Kg 12/15/22 15:22 12/17/22 08:47 12/17/22 08:47 12/15/22 15:22 m-Xylene & p-Xylene <0.00400 U 0.00400 mg/Kg <0.00200 U 12/17/22 08:47 o-Xylene 0.00200 mg/Kg 12/15/22 15:22 12/15/22 15:22 Xylenes, Total <0.00400 U 0.00400 mg/Kg 12/17/22 08:47

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	12/15/22 15:22	12/17/22 08:47	1
1,4-Difluorobenzene (Surr)	90		70 - 130	12/15/22 15:22	12/17/22 08:47	1

Lab Sample ID: LCS 880-41943/1-A

Matrix: Solid

Analysis Batch: 41993

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

Prep Batch: 41943

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09030		mg/Kg		90	70 - 130	
Toluene	0.100	0.08409		mg/Kg		84	70 - 130	
Ethylbenzene	0.100	0.07938		mg/Kg		79	70 - 130	
m-Xylene & p-Xylene	0.200	0.1705		mg/Kg		85	70 - 130	
o-Xylene	0.100	0.08759		mg/Kg		88	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	97	70 _ 130
1.4-Difluorobenzene (Surr)	95	70 - 130

Lab Sample ID: LCSD 880-41943/2-A

Matrix: Solid

Analyte

Benzene

Analysis Batch: 41993

Client Sample ID: Lab Control Sample Dup

%Rec

93

Prep Type: Total/NA

Prep Batch: 41943

RPD %Rec Limits RPD Limit

70 - 130

Eurofins Carlsbad

Spike

Added

0.100

LCSD LCSD

0.09270

Result Qualifier

Unit

mg/Kg

Prep Batch: 41943

Client Sample ID: FS49

QC Sample Results

Client: Ensolum Job ID: 890-3601-1 Project/Site: Nash 36 SDG: 03E1558117

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

Lab Sample ID: LCSD 880-41943/2-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 41993

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Toluene	0.100	0.08517		mg/Kg		85	70 - 130	1	35
Ethylbenzene	0.100	0.07903		mg/Kg		79	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.1679		mg/Kg		84	70 - 130	2	35
o-Xylene	0.100	0.08660		mg/Kg		87	70 - 130	1	35

LCSD LCSD %Recovery Qualifier Limits Surrogate 70 - 130 4-Bromofluorobenzene (Surr) 94 1,4-Difluorobenzene (Surr) 94 70 - 130

Lab Sample ID: 890-3601-1 MS

watrix: Solid									Prep i	ype: rotai/NA	
Analysis Batch: 41993									Prep	Batch: 41943	
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	<0.00200	U F2 F1	0.100	<0.00200	U F1	ma/Ka			70 - 130		

Toluene <0.00200 UF1 0.100 <0.00200 UF1 70 - 130 mg/Kg 0.6 70 - 130 Ethylbenzene <0.00200 UF1 0.100 <0.00200 UF1 mg/Kg 0 0.200 70 - 130 m-Xylene & p-Xylene <0.00401 UF1 <0.00401 UF1 mg/Kg 0.6 o-Xylene <0.00200 UF1 0.100 <0.00200 UF1 mg/Kg 0.5 70 - 130 MS MS

%Recovery Qualifier Surrogate Limits 70 - 130 4-Bromofluorobenzene (Surr) 85 1,4-Difluorobenzene (Surr) 70 - 130 92

Lab Sample ID: 890-3601

Matrix: Solid

Analysis Batch: 41993

J1-1 MSD	Client Sample ID: FS49
	Prep Type: Total/NA
	Prep Batch: 41943

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U F2 F1	0.0996	<0.00199	U F2 F1	mg/Kg		0.4	70 - 130	113	35
Toluene	<0.00200	U F1	0.0996	<0.00199	U F1	mg/Kg		0	70 - 130	NC	35
Ethylbenzene	<0.00200	U F1	0.0996	<0.00199	U F1	mg/Kg		0	70 - 130	NC	35
m-Xylene & p-Xylene	<0.00401	U F1	0.199	<0.00398	U F1	mg/Kg		0	70 - 130	NC	35
o-Xylene	<0.00200	U F1	0.0996	<0.00199	U F1	mg/Kg		0	70 - 130	NC	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	86		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

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

Lab Sample ID: MB 880-41491/1-A

Matrix: Solid

Analysis Batch: 41523

-	MB	MB					-	
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		12/09/22 14:59	12/11/22 09:16	1

(GRO)-C6-C10

Eurofins Carlsbad

Prep Type: Total/NA

Prep Batch: 41491

Client Sample ID: Method Blank

Client: Ensolum Job ID: 890-3601-1 SDG: 03E1558117 Project/Site: Nash 36

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

Lab Sample ID: MB 880-41491/1-A

Matrix: Solid

Analysis Batch: 41523

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41491

ı									
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/09/22 14:59	12/11/22 09:16	1
	Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/09/22 14:59	12/11/22 09:16	1

MB MB

MR MR

	Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	1-Chlorooctane	113		70 - 130	12/09/22 14:59	12/11/22 09:16	1
l	o-Terphenyl	151	S1+	70 - 130	12/09/22 14:59	12/11/22 09:16	1

Lab Sample ID: LCS 880-41491/2-A **Client Sample ID: Lab Control Sample**

Matrix: Solid

Analysis Batch: 41523

Prep Type: Total/NA

Prep Batch: 41491

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	869.9		mg/Kg		87	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1019		mg/Kg		102	70 - 130	
C10-C28)								

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	147	S1+	70 - 130
o-Terphenyl	136	S1+	70 - 130

Lab Sample ID: LCSD 880-41491/3-A

Matrix: Solid

Analysis Batch: 41523

Client Sample	ID: Lab	Control	Sample Du	р
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Prep Type: Total/NA

Prep Batch: 41491

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	857.3		mg/Kg		86	70 - 130	1	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	969.5		mg/Kg		97	70 - 130	5	20
C10-C28)									

LCSD LCSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane 144 S1+ 70 - 130 o-Terphenyl 136 S1+ 70 - 130

Lab Sample ID: 880-22554-A-1-B MS

Matrix: Solid

Analysis Batch: 41523

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 41491

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	824.4		mg/Kg		81	70 - 130	
Diesel Range Organics (Over	<49.9	U	997	943.6		mg/Kg		93	70 - 130	

C10-C28)

	IVIS	IVIS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	104		70 - 130
o-Terphenyl	83		70 - 130

Client: Ensolum Job ID: 890-3601-1 Project/Site: Nash 36 SDG: 03E1558117

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

Lab Sample ID: 880-22554-A-1-C MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid Analysis Batch: 41523 Prep Type: Total/NA Prep Batch: 41491

Sample Sample Spike MSD MSD RPD Result Qualifier Limit Analyte Added Result Qualifier Unit %Rec Limits RPD Gasoline Range Organics <49.9 U 1000 1006 mg/Kg 99 70 - 130 20 20 (GRO)-C6-C10 1000 Diesel Range Organics (Over <49.9 U 988.5 mg/Kg 70 - 130 97 5

C10-C28)

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	109		70 - 130
o-Terphenyl	86		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-41471/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 41738

мв мв

Analyte	Result		RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			12/14/22 08:09	1

Lab Sample ID: LCS 880-41471/2-A **Client Sample ID: Lab Control Sample Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 41738

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	 250	254.3	-	mg/Kg		102	90 - 110	

Lab Sample ID: LCSD 880-41471/3-A Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 41738

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	250	268.2		ma/Ka		107	90 110		20	

Lab Sample ID: 890-3597-A-1-B MS Client Sample ID: Matrix Spike **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 41738

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	21.6		253	261.3		mg/Kg		95	90 - 110	

Client Sample ID: Matrix Spike Duplicate Lab Sample ID: 890-3597-A-1-C MSD

Matrix: Solid

Analysis Batch: 41738

Allalysis Datcil. 41730												
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	21.6		253	262.7		mg/Kg		95	90 - 110	1	20	

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Prep Type: Soluble

QC Association Summary

 Client: Ensolum
 Job ID: 890-3601-1

 Project/Site: Nash 36
 SDG: 03E1558117

GC VOA

Prep Batch: 41938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-41938/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 41943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3601-1	FS49	Total/NA	Solid	5035	
890-3601-2	FS50	Total/NA	Solid	5035	
890-3601-3	FS51	Total/NA	Solid	5035	
MB 880-41943/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-41943/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-41943/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3601-1 MS	FS49	Total/NA	Solid	5035	
890-3601-1 MSD	FS49	Total/NA	Solid	5035	

Analysis Batch: 41993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3601-1	FS49	Total/NA	Solid	8021B	41943
890-3601-2	FS50	Total/NA	Solid	8021B	41943
890-3601-3	FS51	Total/NA	Solid	8021B	41943
MB 880-41938/5-A	Method Blank	Total/NA	Solid	8021B	41938
MB 880-41943/5-A	Method Blank	Total/NA	Solid	8021B	41943
LCS 880-41943/1-A	Lab Control Sample	Total/NA	Solid	8021B	41943
LCSD 880-41943/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	41943
890-3601-1 MS	FS49	Total/NA	Solid	8021B	41943
890-3601-1 MSD	FS49	Total/NA	Solid	8021B	41943

Analysis Batch: 42247

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3601-1	FS49	Total/NA	Solid	Total BTEX	
890-3601-2	FS50	Total/NA	Solid	Total BTEX	
890-3601-3	FS51	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 41491

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3601-1	FS49	Total/NA	Solid	8015NM Prep	
890-3601-2	FS50	Total/NA	Solid	8015NM Prep	
890-3601-3	FS51	Total/NA	Solid	8015NM Prep	
MB 880-41491/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-41491/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-41491/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-22554-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-22554-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 41523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3601-1	FS49	Total/NA	Solid	8015B NM	41491
890-3601-2	FS50	Total/NA	Solid	8015B NM	41491
890-3601-3	FS51	Total/NA	Solid	8015B NM	41491
MB 880-41491/1-A	Method Blank	Total/NA	Solid	8015B NM	41491
LCS 880-41491/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	41491

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QC Association Summary

Client: Ensolum Job ID: 890-3601-1 Project/Site: Nash 36 SDG: 03E1558117

GC Semi VOA (Continued)

Analysis Batch: 41523 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-41491/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	41491
880-22554-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	41491
880-22554-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	41491

Analysis Batch: 41641

Lab Sample ID 890-3601-1	Client Sample ID FS49	Prep Type Total/NA	Matrix Solid	Method 8015 NM	Prep Batch
890-3601-2	FS50	Total/NA	Solid	8015 NM	
890-3601-3	FS51	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 41471

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3601-1	FS49	Soluble	Solid	DI Leach	_
890-3601-2	FS50	Soluble	Solid	DI Leach	
890-3601-3	FS51	Soluble	Solid	DI Leach	
MB 880-41471/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-41471/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-41471/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3597-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
890-3597-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 41738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3601-1	FS49	Soluble	Solid	300.0	41471
890-3601-2	FS50	Soluble	Solid	300.0	41471
890-3601-3	FS51	Soluble	Solid	300.0	41471
MB 880-41471/1-A	Method Blank	Soluble	Solid	300.0	41471
LCS 880-41471/2-A	Lab Control Sample	Soluble	Solid	300.0	41471
LCSD 880-41471/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	41471
890-3597-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	41471
890-3597-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	41471

Client Sample ID: FS49

Date Received: 12/07/22 15:45

Lab Sample ID: 890-3601-1 Date Collected: 12/06/22 15:40

Matrix: Solid

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 41943 12/15/22 15:22 MNR **EET MID** Total/NA Analysis 8021B 1 5 mL 5 mL 41993 12/17/22 09:09 MNR EET MID Total/NA Analysis Total BTEX 42247 12/19/22 16:21 SM **EET MID** 8015 NM Total/NA Analysis 1 41641 12/12/22 12:52 SM **EET MID** EET MID Total/NA 8015NM Prep 10.00 g 10 mL 41491 12/09/22 14:59 DM Prep Total/NA Analysis 8015B NM 1 uL 1 uL 41523 12/11/22 19:17 SM **EET MID** Soluble 50 mL 41471 12/09/22 13:16 KS Leach DI Leach 5 g FFT MID Soluble Analysis 300.0 41738 12/14/22 09:43 СН **EET MID**

Client Sample ID: FS50 Lab Sample ID: 890-3601-2

Date Collected: 12/06/22 15:45 Matrix: Solid Date Received: 12/07/22 15:45

Dil Initial Final Batch Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Lab **Analyst** Prep Total/NA 5035 4.98 g 5 mL 41943 12/15/22 15:22 MNR EET MID 8021B Total/NA Analysis 1 5 mL 5 mL 41993 12/17/22 09:30 MNR **EET MID** Total/NA Total BTEX 12/19/22 16:21 Analysis 42247 SM **EET MID** 1 Total/NA Analysis 8015 NM 41641 12/12/22 12:52 SM **EET MID** Total/NA 8015NM Prep 10.01 g 10 mL 41491 12/09/22 14:59 DM **EET MID** Prep Total/NA Analysis 8015B NM 1 uL 1 uL 41523 12/11/22 19:39 SM **EET MID** Soluble DI Leach 5.03 g 50 mL 41471 12/09/22 13:16 KS EET MID Leach Soluble Analysis 300.0 5 41738 12/14/22 09:50 СН **EET MID**

Client Sample ID: FS51 Lab Sample ID: 890-3601-3

Date Collected: 12/06/22 15:50 **Matrix: Solid** Date Received: 12/07/22 15:45

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	41943	12/15/22 15:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41993	12/17/22 09:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42247	12/19/22 16:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			41641	12/12/22 12:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	41491	12/09/22 14:59	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41523	12/11/22 20:02	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	41471	12/09/22 13:16	KS	EET MID
Soluble	Analysis	300.0		5			41738	12/14/22 09:56	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

 Client: Ensolum
 Job ID: 890-3601-1

 Project/Site: Nash 36
 SDG: 03E1558117

Laboratory: Eurofins Midland

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

Authority	Pr	ogram	Identification Number	Expiration Date
Texas	NE	ELAP	T104704400-22-24	06-30-23
The following analytes	are included in this report, bu	it the laboratory is not certifi	ied by the governing authority. This list ma	av include analytes for
the agency does not of		,	ieu sy ale gerelling aanenly.	ay morado dilarytoo lor
the agency does not of Analysis Method		Matrix	Analyte	ay molado analytoo tor
0 ,	fer certification.	•	, , ,	

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Method Summary

 Client: Ensolum
 Job ID: 890-3601-1

 Project/Site: Nash 36
 SDG: 03E1558117

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

Protocol References:

ASTM = ASTM International

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

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Sample Summary

 Client: Ensolum
 Job ID: 890-3601-1

 Project/Site: Nash 36
 SDG: 03E1558117

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	De
890-3601-1	FS49	Solid	12/06/22 15:40	12/07/22 15:45	0.5'
890-3601-2	FS50	Solid	12/06/22 15:45	12/07/22 15:45	0.5'
890-3601-3	FS51	Solid	12/06/22 15:50	12/07/22 15:45	0.5'

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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

										adin Padas
Project Name:	Nasn 36	117	Routine	fine Rush	Pres.			ANALIGIO NEGOCIO	None: NO	NO DI Water: H ₂ O
r Oject Nulliber.	0011000111		7		Code	\downarrow	+			
Project Location:			Due Date:						Cool. Cool	2
Sampler's Name:	Connor Whitman	itman	TAT starts the	TAT starts the day received by					НСГ: НС	
PO#:			the lab, if rece	the lab, if received by 4:30pm	rs			-	H ₂ S0 ₄ : H ₂	H ₂ NaOH: Na
SAMPLE RECEIPT	Temp Blank:	No Sep	Wet Ice:	No No	nete	0)			H ₃ PO ₄ : HP	HP
Samples Received Intact:	No See	Thermometer ID:	D.	ファイン	ran	300.			NaHSO	NaHSO ₄ : NABIS
_	Yes No MIA	Correction Factor	ctor:	5.0-	Pa	PA: :			Na ₂ S ₂ O	Na ₂ S ₂ O ₃ ; NaSO ₃
Sample Custody Seals:	Yes No NIA	Temperature Reading:	Reading:	5.0		(EF	_	890-3601	Zn Acet	Zn Acetate+NaOH: Zn
Total Containers:		Corrected Temperature	nperature:	5		DES		chain of Custody	NaOH+	NaOH+Ascorbic Acid: SAPC
Sample Identification	ion Matrix	Date Sampled	Time Sampled	Depth Grab/	# of	CHLORI	TPH (80 BTEX (8		Se	Sample Comments
FS49	5	12/6/22	3:40	·5" C	1	1	/		Incident ID:	nt ID:
0551	ч	247/11	3.45	5 0	1	1	1		NAPP2	NAPP2224236187
1553	S	12/6/22	3:50	50 0		1	/		Cost Center:	enter:
/										1137151001
						_			AFE:	
	/									
							+			
					/		5			
							1			
Total 200.7 / 6010	200.8 / 6020:	8R	8RCRA 13PPN	13PPM Texas 11	Al Sb	As Ba	a Be B	Cd Ca Cr Co Cu Fe Pb Mg Mn	Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn	Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed	etal(s) to be ana	lyzed	TCLP / SP	LP 6010: 8R	CRA S	Sb As	Ва В	TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se	Ni Se Ag TI U Hg: 1631/245.1/7470/7471	7470 / 7471
Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors	nt and relinquishmer	nt of samples constit	tutes a valid purcl	hase order from c	ient comp	any to E	urofins)	its affiliates and subcontractors. It assigns s	It assigns standard terms and conditions	
f service. Eurofins Xenco will be f Eurofins Xenco. A minimum ch	e liable only for the c harge of \$85.00 will t	ost of samples and be applied to each p	shall not assume roject and a charg	any responsibility ge of \$5 for each s	for any lo	bmitted t	expense o Eurofir	of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of 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	cumstances beyond the control orced unless previously negotiated.	
Relinquished by: (Signature)	nature)	Received	Received by: (Signature)	ire)		Date/Time	ime	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
	7	Man	The same	at	C	2/7/C		THE CONTRACTOR OF THE PARTY OF		

City, State ZIP:

Carlsbad, NM 88220

City, State ZIP:

3122 National Parks Hwy

Project Manager: Company Name: \ddress:

Kalei Jennings

Bill to: (if different)

Garrett Green

Company Name:

3104 E. Green St XTO Energy

Carlsbad, NM 88220

Ensolum

12/19/2022

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-3601-1 SDG Number: 03E1558117

Login Number: 3601 List Source: Eurofins Carlsbad

List Number: 1

Creator: Stutzman, Amanda

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

Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-3601-1 SDG Number: 03E1558117

Login Number: 3601 **List Source: Eurofins Midland** List Number: 2 List Creation: 12/09/22 11:39 AM

Creator: Rodriguez, Leticia

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

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Tacoma Morrissey
Ensolum
601 N. Marienfeld St.
Suite 400
Midland, Texas 79701
Generated 2/20/2023 2:48:43 PM

JOB DESCRIPTION

NASH 36 SDG NUMBER 03E1558117

JOB NUMBER

890-4090-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

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

Generated 2/20/2023 2:48:43 PM

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

Client: Ensolum
Project/Site: NASH 36
Laboratory Job ID: 890-4090-1
SDG: 03E1558117

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Definitions/Glossary

Job ID: 890-4090-1 Client: Ensolum Project/Site: NASH 36 SDG: 03E1558117

Qualifiers

GC VOA Qualifier

F1 MS and/or MSD recovery exceeds control limits.

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.

GC Semi VOA

Qualifier **Qualifier Description**

LCS/LCSD RPD exceeds control limits.

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 Contains No Free Liquid **CNF**

Duplicate Error Ratio (normalized absolute difference) DER

Dil Fac **Dilution Factor**

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) Limit of Quantitation (DoD/DOE) LOQ

MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) MDC

Minimum Detectable Concentration (Radiochemistry)

Method Detection Limit

ML Minimum Level (Dioxin) MPN Most Probable Number MOI Method Quantitation Limit

NC Not Calculated

MDL

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

NEG Negative / Absent POS Positive / Present

Practical Quantitation Limit PQL

PRES Presumptive **Quality Control** QC

Relative Error Ratio (Radiochemistry) **RER**

Reporting Limit or Requested Limit (Radiochemistry) RL

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

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

TNTC Too Numerous To Count

Case Narrative

 Client: Ensolum
 Job ID: 890-4090-1

 Project/Site: NASH 36
 SDG: 03E1558117

Job ID: 890-4090-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-4090-1

Receipt

The samples were received on 2/13/2023 10:38 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.4° C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: FS29A (890-4090-1) and FS45A (890-4090-2).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-46342 and analytical batch 880-46568 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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 RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-46409 and analytical batch 880-46479 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

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.

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Lab Sample ID: 890-4090-1

 Client: Ensolum
 Job ID: 890-4090-1

 Project/Site: NASH 36
 SDG: 03E1558117

Client Sample ID: FS29A

Date Collected: 02/10/23 14:15 Date Received: 02/13/23 10:38

Sample Depth: 1.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/14/23 16:34	02/17/23 16:58	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/14/23 16:34	02/17/23 16:58	1
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		02/14/23 16:34	02/17/23 16:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		02/14/23 16:34	02/17/23 16:58	1
o-Xylene	< 0.00199	U	0.00199	mg/Kg		02/14/23 16:34	02/17/23 16:58	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/14/23 16:34	02/17/23 16:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130			02/14/23 16:34	02/17/23 16:58	1
1,4-Difluorobenzene (Surr)	85		70 - 130			02/14/23 16:34	02/17/23 16:58	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	ulation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			02/20/23 14:15	1
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	218		49.8	mg/Kg			02/19/23 12:25	1
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared		
Gasoline Range Organics					=	Ттеритеи	Analyzed	Dil Fac
5 5	<49.8	U	49.8	mg/Kg		02/15/23 11:56	Analyzed 02/17/23 02:52	
(GRO)-C6-C10 Diesel Range Organics (Over	<49.8 218		49.8	mg/Kg		<u>.</u>		1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	218	*1	49.8	mg/Kg	=	02/15/23 11:56 02/15/23 11:56	02/17/23 02:52	1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28)		*1				02/15/23 11:56	02/17/23 02:52	1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	218	* 1 U	49.8 49.8 <i>Limits</i>	mg/Kg	=	02/15/23 11:56 02/15/23 11:56	02/17/23 02:52	1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	218 <49.8	* 1 U	49.8 49.8	mg/Kg		02/15/23 11:56 02/15/23 11:56 02/15/23 11:56	02/17/23 02:52 02/17/23 02:52 02/17/23 02:52	1 1 1 <i>Dil Fac</i>
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	218 <49.8 %Recovery	* 1 U	49.8 49.8 <i>Limits</i>	mg/Kg	=	02/15/23 11:56 02/15/23 11:56 02/15/23 11:56 02/15/23 11:56 Prepared	02/17/23 02:52 02/17/23 02:52 02/17/23 02:52 Analyzed	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	218 <49.8	*1 U Qualifier	49.8 49.8 Limits 70 - 130 70 - 130	mg/Kg	_ =	02/15/23 11:56 02/15/23 11:56 02/15/23 11:56 02/15/23 11:56 Prepared 02/15/23 11:56	02/17/23 02:52 02/17/23 02:52 02/17/23 02:52 02/17/23 02:52 Analyzed 02/17/23 02:52	Dil Face 1 Dil Face 1 Dil Face 1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	218 <49.8 **Recovery 93 104 Chromatograp	*1 U Qualifier	49.8 49.8 Limits 70 - 130 70 - 130	mg/Kg	<u></u>	02/15/23 11:56 02/15/23 11:56 02/15/23 11:56 02/15/23 11:56 Prepared 02/15/23 11:56	02/17/23 02:52 02/17/23 02:52 02/17/23 02:52 02/17/23 02:52 Analyzed 02/17/23 02:52	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Client Sample ID: FS45A

Date Collected: 02/10/23 14:20

Date Received: 02/13/23 10:38

Sample Depth: 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/14/23 16:34	02/17/23 17:19	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/14/23 16:34	02/17/23 17:19	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/14/23 16:34	02/17/23 17:19	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		02/14/23 16:34	02/17/23 17:19	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/14/23 16:34	02/17/23 17:19	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		02/14/23 16:34	02/17/23 17:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130			02/14/23 16:34	02/17/23 17:19	1

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Lab Sample ID: 890-4090-2

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Matrix: Solid

Lab Sample ID: 890-4090-2

02/16/23 10:56

Client Sample Results

 Client: Ensolum
 Job ID: 890-4090-1

 Project/Site: NASH 36
 SDG: 03E1558117

Client Sample ID: FS45A

Date Collected: 02/10/23 14:20 Date Received: 02/13/23 10:38

Sample Depth: 1

Chloride

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	82		70 - 130			02/14/23 16:34	02/17/23 17:19	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			02/20/23 14:15	1
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	63.7	-	50.0	mg/Kg			02/19/23 12:25	1
Mothod: SW046 904ED NM Dio	nal Banga Orga	nice (DBO)	(CC)					
Method: SW846 8015B NM - Dies Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		02/15/23 11:56	02/17/23 03:15	1
(GRO)-C6-C10				0 0				
Diesel Range Organics (Over	63.7	*1	50.0	mg/Kg		02/15/23 11:56	02/17/23 03:15	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/15/23 11:56	02/17/23 03:15	1
	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Surrogate			70 - 130			02/15/23 11:56	02/17/23 03:15	1
Surrogate 1-Chlorooctane	84							

24.9

mg/Kg

1510

Surrogate Summary

 Client: Ensolum
 Job ID: 890-4090-1

 Project/Site: NASH 36
 SDG: 03E1558117

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
390-4089-A-1-B MS	Matrix Spike	126	114	
890-4089-A-1-C MSD	Matrix Spike Duplicate	132 S1+	104	
890-4090-1	FS29A	121	85	
890-4090-2	FS45A	97	82	
LCS 880-46342/1-A	Lab Control Sample	109	105	
LCSD 880-46342/2-A	Lab Control Sample Dup	116	103	
MB 880-46342/5-A	Method Blank	76	96	

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

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

Matrix: Solid Prep Type: Total/NA

		1001	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-24624-A-7-D MS	Matrix Spike	85	91
880-24624-A-7-E MSD	Matrix Spike Duplicate	99	107
890-4090-1	FS29A	93	104
890-4090-2	FS45A	84	100
LCS 880-46409/2-A	Lab Control Sample	98	113
LCSD 880-46409/3-A	Lab Control Sample Dup	85	99
MB 880-46409/1-A	Method Blank	85	108

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: Ensolum Job ID: 890-4090-1 SDG: 03E1558117 Project/Site: NASH 36

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-46342/5-A

Matrix: Solid

Analysis Batch: 46568

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 46342

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/14/23 16:34	02/17/23 14:09	
Toluene	<0.00200	U	0.00200	mg/Kg		02/14/23 16:34	02/17/23 14:09	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/14/23 16:34	02/17/23 14:09	
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		02/14/23 16:34	02/17/23 14:09	
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/14/23 16:34	02/17/23 14:09	
Xylenes, Total	< 0.00400	U	0.00400	mg/Kg		02/14/23 16:34	02/17/23 14:09	•

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130	02/14/23 16:34	02/17/23 14:09	1
1,4-Difluorobenzene (Surr)	96		70 - 130	02/14/23 16:34	02/17/23 14:09	1

Lab Sample ID: LCS 880-46342/1-A

Matrix: Solid

Analysis Batch: 46568

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 46342

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1214		mg/Kg		121	70 - 130	
Toluene	0.100	0.1106		mg/Kg		111	70 - 130	
Ethylbenzene	0.100	0.1137		mg/Kg		114	70 - 130	
m-Xylene & p-Xylene	0.200	0.2456		mg/Kg		123	70 - 130	
o-Xylene	0.100	0.1219		mg/Kg		122	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	109	70 - 130
1,4-Difluorobenzene (Surr)	105	70 - 130

Lab Sample ID: LCSD 880-46342/2-A

Matrix: Solid

Analysis Batch: 46568

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 46342

	Spike	LCSD LC	SD			%Rec		RPD
Analyte	Added	Result Qu	ualifier Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1054	mg/Kg		105	70 - 130	14	35
Toluene	0.100	0.1042	mg/Kg		104	70 - 130	6	35
Ethylbenzene	0.100	0.1073	mg/Kg		107	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.2301	mg/Kg		115	70 - 130	6	35
o-Xylene	0.100	0.1157	mg/Kg		116	70 - 130	5	35

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	116	70 - 130
1.4-Difluorobenzene (Surr)	103	70 - 130

Lab Sample ID: 890-4089-A-1-B MS

Matrix: Solid

Analysis Batch: 46568

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

Prep Batch: 46342

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00202	U F1 F2	0.100	0.1523	F1	mg/Kg		152	70 - 130	
Toluene	<0.00202	U	0.100	0.09819		mg/Kg		98	70 - 130	

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Page 9 of 23

Client: Ensolum Job ID: 890-4090-1 SDG: 03E1558117 Project/Site: NASH 36

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

Lab Sample ID

Matrix: Solid

Analysis Batch: 46568

D: 890-4089-A-1-B MS	Client Sample ID: Matrix Spike

Prep Type: Total/NA Prep Batch: 46342

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00202	U	0.100	0.09453		mg/Kg		94	70 - 130	
m-Xylene & p-Xylene	<0.00403	U	0.200	0.2043		mg/Kg		102	70 - 130	
o-Xylene	<0.00202	U	0.100	0.1039		mg/Kg		104	70 - 130	

MS MS

Surrogate	%Recovery	Qualifier	Limits		
4-Bromofluorobenzene (Surr)	126		70 - 130		
1,4-Difluorobenzene (Surr)	114		70 - 130		

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 46342

Analysis Batch: 46568

Matrix: Solid

Lab Sample ID: 890-4089-A-1-C MSD

_	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00202	U F1 F2	0.0990	0.1032	F2	mg/Kg		104	70 - 130	38	35
Toluene	<0.00202	U	0.0990	0.09209		mg/Kg		93	70 - 130	6	35
Ethylbenzene	<0.00202	U	0.0990	0.09634		mg/Kg		97	70 - 130	2	35
m-Xylene & p-Xylene	<0.00403	U	0.198	0.2071		mg/Kg		105	70 - 130	1	35
o-Xylene	<0.00202	U	0.0990	0.1053		mg/Kg		106	70 - 130	1	35

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

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

Lab Sample ID: MB 880-46409/1-A

Matrix: Solid

Analyte

Analysis Batch: 46479

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 46409

Result Qualifier RL Unit Prepared Analyzed Dil Fac <50.0 U 50.0 02/16/23 19:48 Gasoline Range Organics 02/15/23 11:56 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 50.0 02/15/23 11:56 02/16/23 19:48 <50.0 U mg/Kg C10-C28) Oll Range Organics (Over C28-C36) <50.0 U 50.0 02/15/23 11:56 02/16/23 19:48 mg/Kg

MB MB

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130	02/15/23 11:56	02/16/23 19:48	1
o-Terphenyl	108		70 - 130	02/15/23 11:56	02/16/23 19:48	1

Lab Sample ID: LCS 880-46409/2-A

Matrix: Solid

Analysis Batch: 46479

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

Prep Batch: 46409

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1045		mg/Kg		104	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1061		mg/Kg		106	70 - 130	
C10-C28)								

Job ID: 890-4090-1 Client: Ensolum Project/Site: NASH 36 SDG: 03E1558117

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

LCS LCS

Lab Sample ID: LCS 880-46409/2-A Client Sample ID: Lab Control Sample

Matrix: Solid

Analysis Batch: 46479

Prep Type: Total/NA

Prep Batch: 46409

Surrogate %Recovery Qualifier Limits 1-Chlorooctane 98 70 - 130 o-Terphenyl 113 70 - 130

Lab Sample ID: LCSD 880-46409/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 46479

Prep Type: Total/NA

Prep Batch: 46409

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit 1000 893.1 89 70 - 13016 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 849.0 *1 mg/Kg 85 70 - 13022 20 C10-C28)

LCSD LCSD

Surrogate %Recovery Qualifier Limits 70 - 130 1-Chlorooctane 85 99 70 - 130 o-Terphenyl

Lab Sample ID: 880-24624-A-7-D MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 46479

Prep Type: Total/NA

Prep Batch: 46409

Sample Sample Spike MS MS Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits Gasoline Range Organics <49.9 U 1000 1023 mg/Kg 98 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over <49.9 U *1 1000 940.4 mg/Kg 92 70 - 130 C10-C28)

MS MS %Recovery Qualifier Surrogate Limits 70 - 130 1-Chlorooctane 85 o-Terphenyl 91 70 - 130

Lab Sample ID: 880-24624-A-7-E MSD Client Sample ID: Matrix Spike Duplicate **Matrix: Solid**

Analysis Batch: 46479

Prep Type: Total/NA Prep Batch: 46409

MSD MSD RPD Sample Sample Spike %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Gasoline Range Organics U 1000 <49.9 1044 100 70 - 130 20 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <49.9 U *1 1000 1103 mg/Kg 109 70 - 130 16 20

C10-C28)

MSD MSD

Surrogate	%Recovery 0	Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	107		70 - 130

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Client Sample ID: Matrix Spike

Client Sample ID: Matrix Spike Duplicate

QC Sample Results

Client: Ensolum Job ID: 890-4090-1 Project/Site: NASH 36 SDG: 03E1558117

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-46319/1-A

Matrix: Solid

Analysis Batch: 46460

мв мв

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Chloride <5.00 U 5.00 mg/Kg 02/15/23 19:44

Lab Sample ID: LCS 880-46319/2-A

Matrix: Solid

Analysis Batch: 46460

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 244.1 mg/Kg 98 90 - 110

Lab Sample ID: LCSD 880-46319/3-A

Matrix: Solid

Analysis Batch: 46460

LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 256.0 mg/Kg 102 90 - 110

Lab Sample ID: 890-4089-A-4-B MS

Matrix: Solid

Analysis Batch: 46460

MS MS Sample Sample Spike %Rec Analyte Result Qualifier Added Qualifier %Rec Result Unit Limits 262.3 Chloride 24.8 249 90 - 110 mg/Kg

Lab Sample ID: 890-4089-A-4-C MSD

Matrix: Solid

Analysis Batch: 46460

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 249 24.8 252.9 mg/Kg 92 90 - 110 20

QC Association Summary

 Client: Ensolum
 Job ID: 890-4090-1

 Project/Site: NASH 36
 SDG: 03E1558117

GC VOA

Prep Batch: 46342

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4090-1	FS29A	Total/NA	Solid	5035	_
890-4090-2	FS45A	Total/NA	Solid	5035	
MB 880-46342/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-46342/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-46342/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-4089-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
890-4089-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 46568

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4090-1	FS29A	Total/NA	Solid	8021B	46342
890-4090-2	FS45A	Total/NA	Solid	8021B	46342
MB 880-46342/5-A	Method Blank	Total/NA	Solid	8021B	46342
LCS 880-46342/1-A	Lab Control Sample	Total/NA	Solid	8021B	46342
LCSD 880-46342/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	46342
890-4089-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	46342
890-4089-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	46342

Analysis Batch: 46743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4090-1	FS29A	Total/NA	Solid	Total BTEX	
890-4090-2	FS45A	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 46409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4090-1	FS29A	Total/NA	Solid	8015NM Prep	
890-4090-2	FS45A	Total/NA	Solid	8015NM Prep	
MB 880-46409/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-46409/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-46409/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-24624-A-7-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-24624-A-7-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 46479

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4090-1	FS29A	Total/NA	Solid	8015B NM	46409
890-4090-2	FS45A	Total/NA	Solid	8015B NM	46409
MB 880-46409/1-A	Method Blank	Total/NA	Solid	8015B NM	46409
LCS 880-46409/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	46409
LCSD 880-46409/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	46409
880-24624-A-7-D MS	Matrix Spike	Total/NA	Solid	8015B NM	46409
880-24624-A-7-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	46409

Analysis Batch: 46668

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4090-1	FS29A	Total/NA	Solid	8015 NM	
890-4090-2	FS45A	Total/NA	Solid	8015 NM	

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QC Association Summary

 Client: Ensolum
 Job ID: 890-4090-1

 Project/Site: NASH 36
 SDG: 03E1558117

HPLC/IC

Leach Batch: 46319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4090-1	FS29A	Soluble	Solid	DI Leach	
890-4090-2	FS45A	Soluble	Solid	DI Leach	
MB 880-46319/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-46319/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-46319/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-4089-A-4-B MS	Matrix Spike	Soluble	Solid	DI Leach	
890-4089-A-4-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 46460

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4090-1	FS29A	Soluble	Solid	300.0	46319
890-4090-2	FS45A	Soluble	Solid	300.0	46319
MB 880-46319/1-A	Method Blank	Soluble	Solid	300.0	46319
LCS 880-46319/2-A	Lab Control Sample	Soluble	Solid	300.0	46319
LCSD 880-46319/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	46319
890-4089-A-4-B MS	Matrix Spike	Soluble	Solid	300.0	46319
890-4089-A-4-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	46319

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Client: Ensolum Job ID: 890-4090-1 Project/Site: NASH 36 SDG: 03E1558117

Client Sample ID: FS29A

Date Collected: 02/10/23 14:15 Date Received: 02/13/23 10:38 Lab Sample ID: 890-4090-1

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	46342	02/14/23 16:34	MNR	EET MIC
Total/NA	Analysis	8021B		1	5 mL	5 mL	46568	02/17/23 16:58	AJ	EET MIC
Total/NA	Analysis	Total BTEX		1			46743	02/20/23 14:15	AJ	EET MI
Total/NA	Analysis	8015 NM		1			46668	02/19/23 12:25	SM	EET MI
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	46409	02/15/23 11:56	SM	EET MIC
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46479	02/17/23 02:52	SM	EET MIC
Soluble	Leach	DI Leach			5 g	50 mL	46319	02/14/23 13:16	KS	EET MIC
Soluble	Analysis	300.0		5			46460	02/16/23 10:51	CH	EET MI

Client Sample ID: FS45A Lab Sample ID: 890-4090-2 Matrix: Solid

Date Collected: 02/10/23 14:20

Date Received: 02/13/23 10:38

	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	46342	02/14/23 16:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46568	02/17/23 17:19	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			46743	02/20/23 14:15	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46668	02/19/23 12:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	46409	02/15/23 11:56	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46479	02/17/23 03:15	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	46319	02/14/23 13:16	KS	EET MID
Soluble	Analysis	300.0		5			46460	02/16/23 10:56	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum Job ID: 890-4090-1 Project/Site: NASH 36 SDG: 03E1558117

Laboratory: Eurofins Midland

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

Authority	Pro	ogram	Identification Number	Expiration Date
Texas	NE	ELAP	T104704400-22-25	06-30-23
The following analytes	are included in this report, bu	it the laboratory is not certifi	ied by the governing authority. This list ma	av include analytes for
the agency does not of		,	ieu sy ale gerelling adalemy.	ay molade analytes for
the agency does not of Analysis Method		Matrix	Analyte	ay molade analytes for
9 ,	fer certification.	•	, , ,	

Method Summary

Client: Ensolum Job ID: 890-4090-1 Project/Site: NASH 36 SDG: 03E1558117

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Ensolum Project/Site: NASH 36 Job ID: 890-4090-1 SDG: 03E1558117

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-4090-1	FS29A	Solid	02/10/23 14:15	02/13/23 10:38	1.5
890-4090-2	FS45A	Solid	02/10/23 14:20	02/13/23 10:38	1

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Relinquished by: (Signature)

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2-13-23

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Date/Time

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

Revised Date: 08/25/2020 Rev. 2020.2

Received by: (Signature)

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Chain of Custody

Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lub Hobbs, NM (575) 392-7550, Carls Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300

Work Order No:

roject Manager: Tac	Tacoma Morrissey			Bill to: (if different)		Garrett Green	Green		Work	Work Order Comments
	Ensolum			Company Name:		XTO Energy	ergy		Program: UST/PST PRF	Program: UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐
	3122 National Parks Hwy	ks Hwy		Address:		3104 E. Green St	Green S		State of Project:	
e ZIP:	Carlsbad, NM 88220	20		City, State ZIP:		Carlsbad, NM 88220	d, NM 8	20	Reporting: Level II Level	Reporting: Level II Level III PST/UST TRRP Level IV
	303-887-2946		Emai	Email: Garrett.Green@ExxonMobil.com	п@Еххс	nMobil	.com		Deliverables: EDD	ADaPT Other:
roject Name:	Nash 36	1 36	Tur	Turn Around				ANALYSIS REQ	IS REQUEST	Preservative Codes
roject Number:	03E1558117	58117	X Routine	Rush	Pres.					None: NO DI Water: H ₂ O
roject Location:			Due Date:							Cool: Cool MeOH: Me
ampler's Name:	Connor Whitman	Vhitman	TAT starts t	TAT starts the day received by	<u> </u>					HCL: HC HNO3: HN
			the lab, if re	the lab, if received by 4:30pm	_					H ₂ S0 ₄ : H ₂ NaOH: Na
AMPLE RECEIPT	Temp Blank:	K Res No	o Wet Ice:	No No	nete	0)				H₃PO₄: HP
amples Received Intact:	7	Thermometer ID:	eter ID:	12 m 207	aran	300.				NaHSO ₄ : NABIS
ooler Custody Seals:	Yes No/	NIA Correction Factor:	Factor:	-0.0	Pa	PA:				Na ₂ S ₂ O ₃ : NaSO ₃
ample Custody Seals:	Yes No	N/A Temperatu	Temperature Reading:	5.6		S (E)	890-40	890-4090 Chain of Custody	Zn Acetate+NaOH: Zn
otal Containers:		Corrected	Corrected Temperature:	77.4					-	NaOH+Ascorbic Acid: SAPC
Sample Identification		Matrix Sampled	Time d Sampled	Depth Grab/	# of Cont	CHLOR	TPH (80			Sample Comments
529A		2/10/23	23 2:15	1,5,0	-	/	1			Incident ID:
FS4SA		5 2/10/23	3 2:20	7	-	/				nAPP2224236187
										Cost Center:
										1137151001
		/								AFE:
			/							
					X		1			
						1				
				PM Texas 11 Al Sb As	Al Sb	As Ba	Ba Be B	Cd Ca Cr Co Cu Fe	Mg Mn Mo Ni K Se A	SiO ₂ Na Sr TI Sn U
Total 200.7 / 6010	Total 200.7 / 6010 200.8 / 6020:		8RCRA 13PPM			5 00	TO TO	TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Fb Min Mo	NI Se AG II U	Hg. 1631/243.1//4/0//4/1

PO#

Sampler's Name:

Project Location:

Project Number:

Project Name:

Phone:

City, State ZIP:

Project Manager:

Samples Received Intact: SAMPLE RECEIPT

Sample Custody Seals: Cooler Custody Seals:

Eurofins Carlsbad

1089 N Canal St.	.	<u>بر</u> م	Chain of Clistody Bocord	<u>}</u>))	<u> </u>						300	Ų.						<u> </u>	eurofins
Carlsbad, NM 88220 Phone 575-988-3199 Fax: 575-988-3199			0	i de la companya de l	Ć	2						FF		W.						Environment Testing
Client Information (Sub Contract Lab)	Sampler			Lab PM Kramer,	. I	Jessica	_		ı			_	Carrier Tracking No(s)	Trac	sing N	o(s)			_	COC No: 890-1132 1
	Phone:			E-Mail: Jessi	۱ ب <i>و</i>	amen	Øet.	eurof	insus	8	_		State of Origin: New Mexico	Mex.	8 🛓	Ì	į			Page Page 1 of 1
Company Eurofins Environment Testing South Centr					Accreditations Requ	Accreditations Required NELAP - Texas	Requestas	iired ((See note)	ote)	l	ļ						I		Job #: 890-4090-1
Address 1211 W Florida Ave,	Due Date Requested 2/17/2023	ä					İ		₽l	Analysis		Requested	les	e	1	I				Code
City Midland	TAT Requested (days)	iys)			national	th most di											_		Rowanie	A HCL N None B NaOH O AsNaO2
State Zip: TX, 79701					lathyanna	ТРН													anagajin Basharisak	Nitric Acid Q NaHSO4
Phone: 432-704-5440(Tel)	PO #:				o)	D) Ful		de											r an anggaraja. Talika talah tala	MeOH Amchlor
Email	WO#-				20,340	p (MC		Chlori	EX										5) 	l ice V
Project Name. NASH 36	Project #: 89000093				CX5 A.M	_S_Pre		EACH	OD) B									,	taine	K EDTA Y
Site	SSOW#:				2900 7. 17100. 17	015NM		D/DI_L	Calc (M	V									Mallarather	Other:
			Sample Type	Matrix {w=water S=solid,	iltered m MS/N	DD_NM/8	DD_Calc	RGFM_28	5035FP_(STEX_GC									lumber	
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	(C=comp, G=grab)	O=waste/oil, BT=Tissue, A⇒Air)	5050******	8015M	8015M	300_O	8021B/	Total_l									Total I	Special Instructions/Note
	V	X	Preservation Code:	ion Code:	X			Sec.				director.		loca a time					X	
FS29A (890-4090-1)	2/10/23	14 15 Mountain		Solid		×	×	×	×	×									1986	
FS45A (890-4090-2)	2/10/23	14 20 Mountain		Solid		×	×	×	×	×									1	A change of the
																		l	2010	
Note Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing South Central LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central LLC attention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central LLC.	nent Testing South Cent above for analysis/tests Central LLC attention in	ral, LLC place //matrix being nmediately I	s the ownership analyzed the s f all requested a	o of method a amples must t accreditations a	nalyte & e shippi	accreded according to the decired according to	ditation k to the	turn t	oliance ofins E	nviror ned C	our s ment nain o	Jbcon Testir	tract I g Sou ody at	abora Ith Ce	ories ntral	This	samp	ble sh	ipme r othe	nent is forwarded under chain-of-custody. If the the instructions will be provided. Any changes to urofins Environment Testing South Central. LLC.
Possible Hazard Identification					S]mole	Dis	posa	(A	fee I	nay	Je a	ses	sed	f sa	nple	Sar	Je e	tain	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Deliverable Requested II III IV Other (specify)	Primary Deliverable Rank		2		Sp	Special Instructions/QC Requirements	al Instruction	uctio	ons/QC	S C	quire	mer	ents	ă, D	y La	ľ			12	AICHIVE FOI WONTHS
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Relinduished by	Date/Time			Company		Rece	ed t	¥)	\$							Date/Time	Time			Company
Relinquished by	Date/Time·			Company		Rece	Received by:	¥								Date/Time	Time		I	Company
Custody Seals Intact A Yes A No	A CONTRACTOR OF THE PROPERTY O					Cool	Cooler Temperature(s) °C and Other Remarks.	nperat	ure(s)	°C ar	d Oth	er Rei	narks							

Eurofins Carlsbad

Chain of Custody Record

1089 N Canal St.)	•)	j												0	2	
Carlsbad, NM 88220 Phone 575-988-3199 Fax: 575-988-3199	c	hain o	Chain of Custody Record	y Rec	örd											e *}	ې eurorins چې	Environment Testing
Client Information (Sub Contract Lab)	Sampler:			Lab PM Kramer, Jessica	Jessica					Ca	Carrier Tracking No(s)	cking	No(s)			ထ ဂ	COC No: 890-1132 2	
Client Contact: Shipping/Receiving	Phone			E-Mail. Jessica Kramer@et.euro	⟨ramer(c	ĝet.eu		insus com	-	N Sta	State of Origin: New Mexico	rigin:				ק ס	Page: Page 2 of 4	
Eurofins Environment Testing South Centr				Accr NEI	Accreditations Required (NELAP - Texas	Require Xas		See note)								ထွင်	Job #: 890-4091-1	
Address. 1211 W Florida Ave,	Due Date Requested 2/17/2023	ed					╮┃	Analysis		Requested	stec	_				-	n Code	M - Hexane
City: Midland	TAT Requested (days)	ays)					\dashv				-				_	<u>~</u>	NaOH	N None O AsNaO2
State Zip TX, 79701				54000000000000000000000000000000000000	I TPH											пο	Nitric Acid NaHSO4	P - Na2O4S Q Na2SO3
Phone 432-704-5440(Tel)	PO#:			9)/4	D) Ful	do										T O T	MeOH Amchlor	Nazozoo S H2SO4 T TSP Dodecahydrate
Email:	WO#			aneminen	elingeri A. A	Chlori									7 2	nest (sec	ASCORDIC ACID	
Project Name Row 4 Muy Wayno Line	Project #: 89000093				this although	-ACH									northan h.c.		EDTA EDA	W pH 4-5 Y Trizma
Site	SSOW#			2477570000000000000000000000000000000000	-	VDL 11		/							(D) 11 (0 1 (0 1)	hate-contifica-	Other:	c other (specify)
			Sample (w=water	Filtered S	rm MS/M OD_NM/8	OD_Caic 	5035FP_C	BTEX_GC							athansi asishi his a	Number (
Sample Identification - Client ID (Lab ID)	Sample Date	Sample (0 Time C	(C=comp, BT=Tissu G=grab) A=Air)	Field	Septimization of the septiment of the se			Total_								lotai	Special Inst	pecial Instructions/Note:
1545 JDD ADA AD	X	14 15	Preservation Code:	jde X	X	100		ator of	Source	-	- Joseph					P		
FS16 (890-4091-10)	2/9/23	Mountain	Solid	ā	×	×	×	×							,	residents		
FS17 (890-4091-11)	2/9/23	Mountain	Solid	ā	×	×	×	×). Topkie		111/04/4/4
FS18 (890-4091-12)	2/9/23	14 25 Mountain	Solid	lid	×	×	×	×								4		
FS19 (890-4091-13)	2/9/23	14 30 Mountain	Solid	lid	×	×	×	×							777 @5	جنبر		
FS20 (890-4091-14)	2/9/23	14 35 Mountain	Solid	lid	×	×	×	×								(4 4)		
FS21 (890-4091-15)	2/9/23	14 40 Mountain	Solid	lid	×	×	×	×									The state of the s	
FS22 (890-4091-16)	2/9/23	14 45 Mountain	Solid	ā	×	×	×	×								4		
FS23 (890-4091-17)	2/9/23	14 50 Mountain	Solid	lid	×	×	×	×							,	-		
FS24 (890-4091-18)	2/9/23	14 55 Mountain	Solid	lid	×	×	×	×								-		
Note Since laboratory accreditations are subject to change Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC	ent Testing South Cent above for analysis/tests Central LLC attention in	tral, LLC places the strate of	ne ownership of mealyzed the samples requested accredit	hod, analyte must be ship ations are cui	& accredit pped back ment to dar	ation co to the E te, retur	impliani urofins	ce upon Environ gned CI	our sut ment To	ocontra esting (Custod)	ct labor South C	atories entral,	This	sampl iborato	e ship	ment other	is forwarded under clinstructions will be prons Environment Testi	hain-of-custody If the ovided Any changes to ing South Central LLC
Possible Hazard Identification					Sample Disposa	Dispo	sal (/	(A fee I	may be	e ass	essec	lifsa	mple	¬s are	reta	inec	assessed if samples are retained longer than 1 n	month)
Deliverable Requested I II III IV Other (specify)	Primary Deliverable Rank	able Rank 2			Special Instruction	al Instruction	tions/QC	ns/QC Requirements	quirer	nents	ents	100	ľ		,	2	Stone of	моння
Empty Kit Relinquished by		Date		Time					Ì	7	Met	od of	Method of Shipment	nt:	١	ı		
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Relinquished by (Date/Time		Company	γ	Recei		4						Date/Time:	ime:				Company
Relinquished by	Date/Time		Company	V	Recei	Received by							Date/Time	ime				Company
Custody Seal No A Yes A No					Coole	Cooler Tempera		ure(s) °C and Other Remarks	d Other	Rema	Š							

Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-4090-1 SDG Number: 03E1558117

Login Number: 4090 List Source: Eurofins Carlsbad

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	

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-4090-1

SDG Number: 03E1558117

List Source: Eurofins Midland List Creation: 02/14/23 12:17 PM

List Number: 2 Creator: Teel, Brianna

Login Number: 4090

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

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<6mm (1/4").

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Tacoma Morrissey Ensolum 601 N. Marienfeld St. Suite 400 Midland, Texas 79701

Generated 3/28/2023 12:18:18 PM

JOB DESCRIPTION

Nash 36 SDG NUMBER 03C1558117

JOB NUMBER

890-4333-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

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

Generated 3/28/2023 12:18:18 PM

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

Released to Imaging: 1/31/2024 1:23:41 PM

Client: Ensolum
Project/Site: Nash 36
Laboratory Job ID: 890-4333-1
SDG: 03C1558117

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Definitions/Glossary

 Client: Ensolum
 Job ID: 890-4333-1

 Project/Site: Nash 36
 SDG: 03C1558117

Qualifiers

GC VOA

 Qualifier
 Qualifier Description

 S1+
 Surrogate recovery exceeds control limits, high biased.

 U
 Indicates the analyte was analyzed for but not detected.

GC Semi VOA

S1+ Surrogate recovery exceeds control limits, high biased.
U Indicates the analyte was analyzed for but not detected.

HPLC/IC

U Indicates the analyte was analyzed for but not detected.

Glossary

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

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

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

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

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

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

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

NC Not Calculated

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

NEG Negative / Absent
POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

TNTC Too Numerous To Count

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Case Narrative

 Client: Ensolum
 Job ID: 890-4333-1

 Project/Site: Nash 36
 SDG: 03C1558117

Job ID: 890-4333-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-4333-1

Receipt

The sample was received on 3/16/2023 11:18 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.0°C

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: FS29B (890-4333-1).

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: FS29B (890-4333-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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 samples were outside control limits: (CCV 880-49069/20), (LCS 880-49075/2-A) and (LCSD 880-49075/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-49075 and analytical batch 880-49069 was outside the upper control limits.

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

HPLC/IC

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

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Matrix: Solid

Lab Sample ID: 890-4333-1

Job ID: 890-4333-1 SDG: 03C1558117

Client Sample ID: FS29B

Date Collected: 03/16/23 09:15 Date Received: 03/16/23 11:18

Sample Depth: 2'

Client: Ensolum

Project/Site: Nash 36

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		03/27/23 15:54	03/28/23 11:34	1
- Foluene	<0.00198	U	0.00198	mg/Kg		03/27/23 15:54	03/28/23 11:34	
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/27/23 15:54	03/28/23 11:34	•
n-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		03/27/23 15:54	03/28/23 11:34	1
p-Xylene	<0.00198	U	0.00198	mg/Kg		03/27/23 15:54	03/28/23 11:34	1
(ylenes, Total	<0.00396	U	0.00396	mg/Kg		03/27/23 15:54	03/28/23 11:34	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
I-Bromofluorobenzene (Surr)	148	S1+	70 - 130			03/27/23 15:54	03/28/23 11:34	1
1,4-Difluorobenzene (Surr)	106		70 - 130			03/27/23 15:54	03/28/23 11:34	1
Method: TAL SOP Total BTEX -	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00396	U	0.00396	mg/Kg			03/28/23 12:55	
Method: SW846 8015 NM - Dies	sel Range Organ	ics (DRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	276		49.9	mg/Kg			03/22/23 16:11	
Method: SW846 8015B NM - Di	esel Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/21/23 07:48	03/21/23 15:08	1
Diesel Range Organics (Over C10-C28)	220		49.9	mg/Kg		03/21/23 07:48	03/21/23 15:08	1
Oll Range Organics (Over 228-C36)	56.3		49.9	mg/Kg		03/21/23 07:48	03/21/23 15:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130			03/21/23 07:48	03/21/23 15:08	1
p-Terphenyl	102		70 - 130			03/21/23 07:48	03/21/23 15:08	1
Method: EPA 300.0 - Anions, Io	n Chromatograp	hy - Solubl	e					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Surrogate Summary

Client: Ensolum Job ID: 890-4333-1 Project/Site: Nash 36 SDG: 03C1558117

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

Lab Sample ID Client Sample ID (70-130) (70-130)
000 004F0 A 4 D MO
880-26159-A-1-B MS Matrix Spike 122 89
880-26159-A-1-C MSD Matrix Spike Duplicate 130 126
890-4333-1 FS29B 148 S1+ 106
LCS 880-49229/1-A Lab Control Sample 127 121
LCSD 880-49229/2-A Lab Control Sample Dup 120 78
MB 880-49229/5-A Method Blank 85 92
MB 880-49341/5-A Method Blank 75 86

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

OTPH = o-Terphenyl

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

Prep Type: Total/NA **Matrix: Solid**

		4004	OTDUA	Percent Surrogate Recovery (Acceptance Limits)
		1001	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-4333-1	FS29B	85	102	
890-4337-A-11-F MS	Matrix Spike	106	115	
890-4337-A-11-G MSD	Matrix Spike Duplicate	105	113	
LCS 880-49075/2-A	Lab Control Sample	124	152 S1+	
LCSD 880-49075/3-A	Lab Control Sample Dup	126	156 S1+	
MB 880-49075/1-A	Method Blank	135 S1+	164 S1+	
Surrogate Legend				

Client: Ensolum Job ID: 890-4333-1 Project/Site: Nash 36 SDG: 03C1558117

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-49229/5-A

Matrix: Solid

Analysis Batch: 49563

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 49229

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/22/23 15:54	03/28/23 01:21	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/22/23 15:54	03/28/23 01:21	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/22/23 15:54	03/28/23 01:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/22/23 15:54	03/28/23 01:21	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/22/23 15:54	03/28/23 01:21	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/22/23 15:54	03/28/23 01:21	1

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85	70 - 130	03/22/23 15:54	03/28/23 01:21	1
1,4-Difluorobenzene (Surr)	92	70 - 130	03/22/23 15:54	03/28/23 01:21	1

Lab Sample ID: LCS 880-49229/1-A

Matrix: Solid

Analysis Batch: 49563

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 49229

LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.1130 mg/Kg 113 70 - 130 Toluene 0.100 0.09600 mg/Kg 96 70 - 130 0.100 Ethylbenzene 0.1072 mg/Kg 107 70 - 130 0.200 70 - 130 m-Xylene & p-Xylene 0.2198 mg/Kg 110 0.100 0.1068 107 70 - 130 o-Xylene mg/Kg

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	127		70 - 130
1,4-Difluorobenzene (Surr)	121		70 - 130

Lab Sample ID: LCSD 880-49229/2-A

Matrix: Solid

Analysis Batch: 49563

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 49229

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.1005		mg/Kg		100	70 - 130	12	35	
Toluene	0.100	0.1011		mg/Kg		101	70 - 130	5	35	
Ethylbenzene	0.100	0.1085		mg/Kg		108	70 - 130	1	35	
m-Xylene & p-Xylene	0.200	0.2223		mg/Kg		111	70 - 130	1	35	
o-Xylene	0.100	0.1089		mg/Kg		109	70 - 130	2	35	

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	120		70 - 130
1,4-Difluorobenzene (Surr)	78		70 - 130

Lab Sample ID: 880-26159-A-1-B MS

Matrix: Solid

Analysis Batch: 49563

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

Prep Batch: 49229

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U	0.100	0.1104		mg/Kg		110	70 - 130	
Toluene	<0.00200	U	0.100	0.09977		mg/Kg		99	70 - 130	

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QC Sample Results

Client: Ensolum Job ID: 890-4333-1 Project/Site: Nash 36 SDG: 03C1558117

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

Lab Sample ID: 880-26159-A-1-B MS

Lab Sample ID: 880-26159-A-1-C MSD

Matrix: Solid

Analysis Batch: 49563

Client Sample ID: Matrix Spike

Prep Type: Total/NA Prep Batch: 49229

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Ethylbenzene <0.00200 U 0.100 0.1046 104 70 - 130 mg/Kg m-Xylene & p-Xylene <0.00401 U 0.201 0.2141 mg/Kg 107 70 - 130 o-Xylene <0.00200 U 0.100 0.1028 70 - 130 mg/Kg 102

MS MS

Surrogate %Recovery Qualifier Limits 70 - 130 4-Bromofluorobenzene (Surr) 122 70 - 130 1,4-Difluorobenzene (Surr) 89

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 49229

Analysis Batch: 49563

Matrix: Solid

-	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U	0.0990	0.1088		mg/Kg		110	70 - 130	1	35
Toluene	<0.00200	U	0.0990	0.09767		mg/Kg		99	70 - 130	2	35
Ethylbenzene	<0.00200	U	0.0990	0.1048		mg/Kg		106	70 - 130	0	35
m-Xylene & p-Xylene	<0.00401	U	0.198	0.2159		mg/Kg		109	70 - 130	1	35
o-Xylene	<0.00200	U	0.0990	0.1032		mg/Kg		104	70 - 130	0	35

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	130		70 - 130
1,4-Difluorobenzene (Surr)	126		70 - 130

Lab Sample ID: MB 880-49341/5-A

Matrix: Solid

Analysis Batch: 49563

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 49341

MB MB

Δ	analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
B	Benzene	<0.00200	U	0.00200	mg/Kg		03/23/23 15:59	03/27/23 11:48	1
Т	oluene	<0.00200	U	0.00200	mg/Kg		03/23/23 15:59	03/27/23 11:48	1
E	Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/23/23 15:59	03/27/23 11:48	1
n	n-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/23/23 15:59	03/27/23 11:48	1
o	-Xylene	<0.00200	U	0.00200	mg/Kg		03/23/23 15:59	03/27/23 11:48	1
X	(ylenes, Total	<0.00400	U	0.00400	mg/Kg		03/23/23 15:59	03/27/23 11:48	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	75		70 - 130	03/23/23 15:59	03/27/23 11:48	1
1,4-Difluorobenzene (Surr)	86		70 - 130	03/23/23 15:59	03/27/23 11:48	1

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

Lab Sample ID: MB 880-49075/1-A

Matrix: Solid

Analysis Batch: 49069

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 49075

MB MB Result Qualifier RL Unit Prepared Gasoline Range Organics <50.0 U 50.0 mg/Kg 03/21/23 07:48 03/21/23 08:28

(GRO)-C6-C10

Client: Ensolum Job ID: 890-4333-1 SDG: 03C1558117 Project/Site: Nash 36

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

Lab Sample	ID: MB	880-49075/1-A

Matrix: Solid

Analysis Batch: 49069

Client	Sample	ID: M	ethod	Blank
	_	_	_	

Prep Type: Total/NA Prep Batch: 49075

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		03/21/23 07:48	03/21/23 08:28	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/21/23 07:48	03/21/23 08:28	1

MB MB

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130	03/21/23 07:48	03/21/23 08:28	1
o-Terphenyl	164	S1+	70 - 130	03/21/23 07:48	03/21/23 08:28	1

Lab Sample ID: LCS 880-49075/2-A **Client Sample ID: Lab Control Sample**

Matrix: Solid

Analysis Batch: 49069

Prep Type: Total/NA Prep Batch: 49075

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1095		mg/Kg		109	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	999.9		mg/Kg		100	70 - 130	
C10-C28)								

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	124		70 - 130
o-Terphenyl	152	S1+	70 - 130

Lab Sample ID: LCSD 880-49075/3-A

Matrix: Solid

Analysis Batch: 49069

Client Sample ID: Lab Control Sample Du

Prep Type: Total/NA

Prep Batch: 49075

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	1101		mg/Kg		110	70 - 130	1	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	1017		mg/Kg		102	70 - 130	2	20
C10-C28)									

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	126		70 - 130
o-Terphenyl	156	S1+	70 - 130

Lab Sample ID: 890-4337-A-11-F MS

Matrix: Solid

Analysis Batch: 49069

Client	Sample	ID:	Matrix	Snike
Cileiit	Sallible	ıD.	IVIALIA	Spike

Prep Type: Total/NA Prep Batch: 49075

	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	988.0		mg/Kg		96	70 - 130
Diesel Range Organics (Over	<50.0	U	998	1114		mg/Kg		112	70 - 130

C10-C28)

	IVIS	IVIS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	106		70 - 130
o-Terphenyl	115		70 - 130

Client: Ensolum Job ID: 890-4333-1 Project/Site: Nash 36 SDG: 03C1558117

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

Lab Sample ID: 890-4337-A-11-G MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 49069

Prep 7	Type: Total/NA
Prep	Batch: 49075
%Rec	RPD

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	992.8		mg/Kg		96	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	1093		mg/Kg		109	70 - 130	2	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	113		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-49271/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 49506

мв мв

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00 U	5.00	mg/Kg			03/26/23 10:07	1

Lab Sample ID: LCS 880-49271/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 49506

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	261.5	-	mg/Kg		105	90 - 110	

Lab Sample ID: LCSD 880-49271/3-A **Client Sample ID: Lab Control Sample Dup**

Matrix: Solid

Analysis Batch: 49506

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	262.4		mg/Kg	_	105	90 - 110	0	20

Lab Sample ID: 890-4320-A-6-C MS Client Sample ID: Matrix Spike **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 49506

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	148		251	409 7		ma/Ka	_	104	90 110	

Lab Sample ID: 890-4320-A-6-D MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 49506

Alialysis Datcil. 43300											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	148		251	410.0		mg/Kg		104	90 - 110		20

Eurofins Carlsbad

Prep Type: Soluble

Prep Type: Soluble

QC Association Summary

 Client: Ensolum
 Job ID: 890-4333-1

 Project/Site: Nash 36
 SDG: 03C1558117

GC VOA

Prep Batch: 49229

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4333-1	FS29B	Total/NA	Solid	5035	
MB 880-49229/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-49229/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-49229/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-26159-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-26159-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 49341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-49341/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 49563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4333-1	FS29B	Total/NA	Solid	8021B	49229
MB 880-49229/5-A	Method Blank	Total/NA	Solid	8021B	49229
MB 880-49341/5-A	Method Blank	Total/NA	Solid	8021B	49341
LCS 880-49229/1-A	Lab Control Sample	Total/NA	Solid	8021B	49229
LCSD 880-49229/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	49229
880-26159-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	49229
880-26159-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	49229

Analysis Batch: 49749

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4333-1	FS29B	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 49069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4333-1	FS29B	Total/NA	Solid	8015B NM	49075
MB 880-49075/1-A	Method Blank	Total/NA	Solid	8015B NM	49075
LCS 880-49075/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	49075
LCSD 880-49075/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	49075
890-4337-A-11-F MS	Matrix Spike	Total/NA	Solid	8015B NM	49075
890-4337-A-11-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	49075

Prep Batch: 49075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4333-1	FS29B	Total/NA	Solid	8015NM Prep	
MB 880-49075/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-49075/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-49075/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4337-A-11-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-4337-A-11-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 49233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4333-1	FS29B	Total/NA	Solid	8015 NM	

QC Association Summary

 Client: Ensolum
 Job ID: 890-4333-1

 Project/Site: Nash 36
 SDG: 03C1558117

HPLC/IC

Leach Batch: 49271

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4333-1	FS29B	Soluble	Solid	DI Leach	
MB 880-49271/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-49271/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-49271/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-4320-A-6-C MS	Matrix Spike	Soluble	Solid	DI Leach	
890-4320-A-6-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 49506

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4333-1	FS29B	Soluble	Solid	300.0	49271
MB 880-49271/1-A	Method Blank	Soluble	Solid	300.0	49271
LCS 880-49271/2-A	Lab Control Sample	Soluble	Solid	300.0	49271
LCSD 880-49271/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	49271
890-4320-A-6-C MS	Matrix Spike	Soluble	Solid	300.0	49271
890-4320-A-6-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	49271

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 Client: Ensolum
 Job ID: 890-4333-1

 Project/Site: Nash 36
 SDG: 03C1558117

Client Sample ID: FS29B

Date Collected: 03/16/23 09:15 Date Received: 03/16/23 11:18 Lab Sample ID: 890-4333-1

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	49229	03/27/23 15:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49563	03/28/23 11:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49749	03/28/23 12:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			49233	03/22/23 16:11	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	49075	03/21/23 07:48	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49069	03/21/23 15:08	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	49271	03/22/23 22:21	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	49506	03/26/23 11:15	SMC	EET MID

Laboratory References:

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

Eurofins Carlsbad

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Accreditation/Certification Summary

 Client: Ensolum
 Job ID: 890-4333-1

 Project/Site: Nash 36
 SDG: 03C1558117

Laboratory: Eurofins Midland

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

Authority	Pr	ogram	Identification Number	Expiration Date
Texas	NE	ELAP	T104704400-22-25	06-30-23
The following analytes	are included in this report bu	t the laboratory is not certifi	ed by the governing authority. This list ma	y include analytes for w
the agency does not of	• •	t the laboratory to not oor th	ed by the governing additionty. This list the	ay include analytes for v
the agency does not of Analysis Method	• •	Matrix	Analyte	y molude analytes for v
0 ,	fer certification.	•	, , ,	

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Method Summary

 Client: Ensolum
 Job ID: 890-4333-1

 Project/Site: Nash 36
 SDG: 03C1558117

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

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Sample Summary

Client: Ensolum Project/Site: Nash 36 Job ID: 890-4333-1 SDG: 03C1558117

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-4333-1	FS29B	Solid	03/16/23 09:15	03/16/23 11:18	2'

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eurofins **Environment Testing** Xenco

Chain of Custody

Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300

Work Order No:

	2	2118891.8	ပာ		0	hue Cul	-		CHA
Received by: (Signature) Date/Time	Relinquished by: (Signature) Received b	Date/Time		3)	Received by: (Signature)	Received	ıre)	Relinquished by: (Signature)	Relinquis
onditions ne control 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 liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of 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.	ompany to Eurofins Xenco y losses or expenses incu submitted to Eurofins Xen	m client co ility for an ch sample	se order from y responsibof \$5 for each	utes a valid purcha hall not assume an oject and a charge	of samples constitut t of samples and si applied to each pro	d relinquishment of the cost of \$85.00 will be	of this document ar Ins Xenco will be lial b. A minimum charg	ce: Signature ervice, Eurof urofins Xence
Hg: 1631 / 245.1 / 7470 / 7471	Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U	Sb As Ba Be C	3RCRA	6010: 8	TCLP / SPLP 6010: 8RCRA	zed	s) to be analy	Circle Method(s) and Metal(s) to be analyzed	cie Metho
Ag SiO ₂ Na Sr Tl Sn U V Zn	Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se /	Al Sb As Ba Be B C	1 Al 3	13PPM Texas 11	8RCRA 13PPM	8RC	200.8 / 6020:		Total 200.7 / 6010
		Z							
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AFE:									
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Cost Center:									
nAPP2224236187									
Incident ID:		×	Comp 1	2' Co	9:15	3/16/2023	S	FS29B	
Sample Comments		CHLOR	Grab/ # of Comp Cont	Depth Co	Time D	Date Sampled	Matrix	Sample Identification	Samp
NaOH+Ascorbic Acid: SAPC	Control Capital	015)		3.0	perature:	Corrected Temperature		ers:	Total Containers
Zn Acetate+NaOH: Zn	890-4333 Chain of Custody			ين د رو	Reading:	Temperature Reading	NO VIIA	dy Seals: Yes	Sample Custody Seals:
Na ₂ S ₂ O ₃ : NaSO ₃		PA:		0	•	Correction Factor:	S NO NIA	Υ	Cooler Custody Seals:
NaHSO ₄ : NABIS		3000	arar	MODI	//	Thermometer ID:	Yes No	Samples Received Intact:	mples Rec
H₃PO₄: HP).0)	nete	Yes No	Wet ice:	(xes) No	Blank:	ECEIPT	SAMPLE RECEIPT
H ₂ SO ₄ : H ₂ NaOH: Na	-		<u> </u>	ed by 4:30p	the lab, if received by 4:30pm				PO #:
HCL: HC HNO3: HN			by	ay received	TAT starts the day received by	man	Connor Whitman	ne:	Sampler's Name
Cool: Cool MeOH: Me					Due Date:			on:	Project Location:
None: NO DI Water: H ₂ O			Code	Rush	✓ Routine [7	03C1558117	er:	Project Number
LIBORIAGIAG COCCO	ANALYSIS REQUEST			ound.	Turn Around		Nash 36		Project Name:

City, State ZIP:

Carlsbad, NM 88220 3122 National Parks Hwy

City, State ZIP:

Carlsbad, NM 88220

Company Name Address:

XTO Energy 3104 E. Green St.

Program: UST/PST | PRP | Brownfields | RRC | Superfund |

Work Order Comments

www.xenco.com

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Reporting: Level II 🗌 Level III 📗 PST/UST 🔲 TRRP 📗

Level IV

State of Project:

Bill to: (if different)

Garrett Green

Company Name: Project Manager:

Ensolum

Tacoma Morrissey

3/28/2023

Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-4333-1 SDG Number: 03C1558117

Login Number: 4333 List Source: Eurofins Carlsbad

List Number: 1

Creator: Stutzman, Amanda

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

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-4333-1

SDG Number: 03C1558117

List Source: Eurofins Midland List Creation: 03/17/23 11:17 AM

Creator: Rodriguez, Leticia

Login Number: 4333

List Number: 2

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	

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<6mm (1/4").

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Ben Belill

Ensolum

601 N. Marienfeld St.

Suite 400

Midland, Texas 79701

Generated 8/25/2023 12:04:22 PM

JOB DESCRIPTION

Nash Unit36 SDG NUMBER 03C1558117

JOB NUMBER

890-5103-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

Eurofins Carlsbad

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Generated 8/25/2023 12:04:22 PM

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

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

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Client: Ensolum
Project/Site: Nash Unit36
Laboratory Job ID: 890-5103-1
SDG: 03C1558117

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Definitions/Glossary

Client: Ensolum Job ID: 890-5103-1 SDG: 03C1558117 Project/Site: Nash Unit36

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

MDA

MDC

Qualifier	Qualitier Description

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"

MDL Method Detection Limit Minimum Level (Dioxin) ML

MPN Most Probable Number Method Quantitation Limit MQL

NC Not Calculated

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

Minimum Detectable Activity (Radiochemistry)

Minimum Detectable Concentration (Radiochemistry)

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit PRES Presumptive

Quality Control QC

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

TNTC Too Numerous To Count

Case Narrative

Client: Ensolum

Project/Site: Nash Unit36

Job ID: 890-5103-1 SDG: 03C1558117

Job ID: 890-5103-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-5103-1

Receipt

The sample was received on 8/15/2023 3:02 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.0°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: FS32A (890-5103-1).

GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-60963 recovered below the lower control limit for Benzene, Toluene, Ethylbenzene, m-Xylene & p-Xylene and o-Xylene. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-60963/20).

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 880-61008 and analytical batch 880-60954 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-61008/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (880-32232-A-1-F MS) and (880-32232-A-1-G MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-60954/31), (CCV 880-60954/47) and (CCV 880-60954/58). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The method blank for preparation batch 880-61008 and analytical batch 880-60954 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) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: The matrix spike duplicate (MSD) recoveries for preparation batch 880-61008 and analytical batch 880-60954 were outside control limits. Non-homogeneity is 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.

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Matrix: Solid

Lab Sample ID: 890-5103-1

Client Sample Results

 Client: Ensolum
 Job ID: 890-5103-1

 Project/Site: Nash Unit36
 SDG: 03C1558117

Client Sample ID: FS32A

Date Collected: 08/14/23 10:30 Date Received: 08/15/23 15:02

Sample Depth: 1.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		08/24/23 09:32	08/24/23 20:39	1
Toluene	<0.00202	U	0.00202	mg/Kg		08/24/23 09:32	08/24/23 20:39	
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		08/24/23 09:32	08/24/23 20:39	
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		08/24/23 09:32	08/24/23 20:39	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		08/24/23 09:32	08/24/23 20:39	
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		08/24/23 09:32	08/24/23 20:39	•
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	88		70 - 130			08/24/23 09:32	08/24/23 20:39	1
1,4-Difluorobenzene (Surr)	92		70 - 130			08/24/23 09:32	08/24/23 20:39	1
- Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			08/25/23 09:19	1
- Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	62.2		50.4	mg/Kg			08/25/23 11:47	1
- Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4	mg/Kg		08/24/23 11:58	08/25/23 04:40	1
Diesel Range Organics (Over C10-C28)	62.2		50.4	mg/Kg		08/24/23 11:58	08/25/23 04:40	1
Oll Range Organics (Over C28-C36)	<50.4	U	50.4	mg/Kg		08/24/23 11:58	08/25/23 04:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130			08/24/23 11:58	08/25/23 04:40	1
o-Terphenyl	98		70 - 130			08/24/23 11:58	08/25/23 04:40	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Surrogate Summary

Client: Ensolum Job ID: 890-5103-1
Project/Site: Nash Unit36 SDG: 03C1558117

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-32411-A-1-B MS	Matrix Spike	89	93	
880-32411-A-1-C MSD	Matrix Spike Duplicate	79	96	
890-5103-1	FS32A	88	92	
LCS 880-60970/1-A	Lab Control Sample	74	88	
LCSD 880-60970/2-A	Lab Control Sample Dup	92	89	
MB 880-60970/5-A	Method Blank	95	112	
Surrogate Legend				
BFB = 4-Bromofluorobe	nzene (Surr)			
DFBZ = 1,4-Difluoroben	zene (Surr)			

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

Matrix: Solid Prep Type: Total/NA

		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-32232-A-1-F MS	Matrix Spike	131 S1+	95
880-32232-A-1-G MSD	Matrix Spike Duplicate	141 S1+	106
890-5103-1	FS32A	120	98
LCS 880-61008/2-A	Lab Control Sample	111	106
LCSD 880-61008/3-A	Lab Control Sample Dup	133 S1+	112
MB 880-61008/1-A	Method Blank	200 S1+	162 S1+

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: Ensolum Job ID: 890-5103-1 Project/Site: Nash Unit36 SDG: 03C1558117

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-60970/5-A

Lab Sample ID: LCS 880-60970/1-A

Matrix: Solid

Analysis Batch: 60963

Matrix: Solid Analysis Batch: 60963 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 60970

	MB	MR						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/24/23 09:32	08/24/23 13:28	
Toluene	<0.00200	U	0.00200	mg/Kg		08/24/23 09:32	08/24/23 13:28	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/24/23 09:32	08/24/23 13:28	
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		08/24/23 09:32	08/24/23 13:28	
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/24/23 09:32	08/24/23 13:28	•
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		08/24/23 09:32	08/24/23 13:28	

MB MB

Surrogate	%Recovery (Qualifier Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95	70 - 130	08/24/23 09:32	08/24/23 13:28	1
1,4-Difluorobenzene (Surr)	112	70 - 130	08/24/23 09:32	08/24/23 13:28	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 60970

Prep Type: Total/NA

Prep Batch: 60970

LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.08894 mg/Kg 89 70 - 130 Toluene 0.100 0.09456 mg/Kg 95 70 - 130 0.100 79 Ethylbenzene 0.07908 mg/Kg 70 - 130 0.200 75 70 - 130 m-Xylene & p-Xylene 0.1497 mg/Kg 0.100 0.07027 70 - 130 o-Xylene mg/Kg 70

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	74	70 - 130
1,4-Difluorobenzene (Surr)	88	70 - 130

Lab Sample ID: LCSD 880-60970/2-A **Client Sample ID: Lab Control Sample Dup**

Matrix: Solid

Analysis Batch: 60963

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.1011		mg/Kg		101	70 - 130	13	35	
Toluene	0.100	0.1041		mg/Kg		104	70 - 130	10	35	
Ethylbenzene	0.100	0.09884		mg/Kg		99	70 - 130	22	35	
m-Xylene & p-Xylene	0.200	0.2018		mg/Kg		101	70 - 130	30	35	
o-Xvlene	0.100	0.09357		ma/Ka		94	70 130	28	35	

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1.4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: 880-32411-A-1-B MS

Matrix: Solid

Analysis Batch: 60963

Client Sample	ID: Matrix Spike
Pre	p Type: Total/NA

Prep Batch: 60970

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00199	U	0.0996	0.09051		mg/Kg		91	70 - 130	
Toluene	<0.00199	U	0.0996	0.09517		mg/Kg		95	70 - 130	

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Prep Type: Total/NA

Prep Type: Total/NA

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 61008

Prep Batch: 60970

Client: Ensolum Job ID: 890-5103-1 Project/Site: Nash Unit36 SDG: 03C1558117

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

Lab Sample ID: 880-32411-A-1-B MS Client Sample ID: Matrix Spike

Matrix: Solid Analysis Batch: 60963

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits <0.00199 Ethylbenzene U 0.0996 0.08335 84 70 - 130 mg/Kg m-Xylene & p-Xylene <0.00398 U 0.199 0.1593 mg/Kg 80 70 - 130 <0.00199 U 0.0996 0.07229 72 70 - 130 o-Xylene mg/Kg

MS MS Surrogate %Recovery Qualifier Limits 70 - 130 4-Bromofluorobenzene (Surr) 89 1,4-Difluorobenzene (Surr) 93 70 - 130

Lab Sample ID: 880-32411-A-1-C MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 60963									Prep	Batch:	60970
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00199	U	0.100	0.09915		mg/Kg		99	70 - 130	9	35
Toluene	<0.00199	U	0.100	0.09538		mg/Kg		94	70 - 130	0	35
Ethylbenzene	<0.00199	U	0.100	0.07873		mg/Kg		79	70 - 130	6	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1546		mg/Kg		77	70 - 130	3	35
o-Xylene	<0.00199	U	0.100	0.07085		mg/Kg		70	70 - 130	2	35

MSD MSD Surrogate Qualifier Limits %Recovery 70 - 130 4-Bromofluorobenzene (Surr) 79 1,4-Difluorobenzene (Surr) 96 70 - 130

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

Lab Sample ID: MB 880-61008/1-A

Matrix: Solid

Analysis Batch: 60954

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Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		08/24/23 11:58	08/24/23 19:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		08/24/23 11:58	08/24/23 19:47	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/24/23 11:58	08/24/23 19:47	1

MB MB %Recovery Qualifier Limits Prepared Dil Fac Surrogate Analyzed 1-Chlorooctane 200 S1+ 70 - 130 08/24/23 11:58 08/24/23 19:47 162 S1+ 70 - 130 08/24/23 11:58 08/24/23 19:47 o-Terphenyl

Lab Sample ID: LCS 880-61008/2-A **Client Sample ID: Lab Control Sample**

Analysis Batch: 60954

Matrix: Solid

/ maryone Datem Cook								Datoiii Cicco
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	843.3		mg/Kg		84	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	837.0		mg/Kg		84	70 - 130	
C10-C28)								

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Prep Type: Total/NA Prep Batch: 61008

Job ID: 890-5103-1 Client: Ensolum Project/Site: Nash Unit36 SDG: 03C1558117

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

Lab Sample ID: LCS 880-61008/2-A Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 60954

Prep Batch: 61008 LCS LCS

Surrogate %Recovery Qualifier Limits 1-Chlorooctane 111 70 - 130 o-Terphenyl 106 70 - 130

Lab Sample ID: LCSD 880-61008/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Diesel Range Organics (Over

Analysis Batch: 60954 Prep Batch: 61008 Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit 1000 1013 101 70 - 13018 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10

1023

mg/Kg

1000

C10-C28)

LCSD LCSD Surrogate %Recovery Qualifier Limits S1+ 70 - 130 1-Chlorooctane 133 112 70 - 130 o-Terphenyl

Lab Sample ID: 880-32232-A-1-F MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 60954

Prep Batch: 61008 Sample Sample MS MS Spike Added Analyte Result Qualifier Result Qualifier Unit %Rec Limits D

Gasoline Range Organics <50.5 U 996 994.3 mg/Kg 96 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over <50.5 U F1 996 1233 mg/Kg 121 70 - 130

C10-C28)

MS MS %Recovery Qualifier Surrogate Limits S1+ 70 - 130 1-Chlorooctane 131 70 - 130 o-Terphenyl 95

Lab Sample ID: 880-32232-A-1-G MSD Client Sample ID: Matrix Spike Duplicate **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 60954

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Prep Batch: 61008 Sample Sample MSD MSD RPD Spike %Rec

Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Gasoline Range Organics <50.5 U 996 1133 110 70 - 130 13 20 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <50.5 U F1 996 1364 F1 mg/Kg 135 70 - 130 10 20 C10-C28)

MSD MSD %Recovery Qualifier Surrogate Limits 1-Chlorooctane 141 S1+ 70 - 130 106 70 - 130 o-Terphenyl

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Prep Type: Total/NA

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Prep Type: Total/NA

102

70 - 130

QC Sample Results

Client: Ensolum Job ID: 890-5103-1
Project/Site: Nash Unit36 SDG: 03C1558117

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-60493/1-A

Matrix: Solid

Analysis Batch: 60618

Client Sample ID: Method Blank
Prep Type: Soluble

 MB

 Analyte
 Result
 Qualifier
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 Chloride
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 U
 5.00
 mg/Kg
 08/19/23 01:12
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Lab Sample ID: LCS 880-60493/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 60618

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 258.8 mg/Kg 104 90 - 110

Lab Sample ID: LCSD 880-60493/3-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 60618

LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 260.0 mg/Kg 104 90 - 110

Lab Sample ID: 880-32215-A-1-B MS

Matrix: Solid

Client Sample ID: Matrix Spike
Prep Type: Soluble

Matrix. John

Analysis Batch: 60618

MS MS Sample Sample Spike %Rec Analyte Result Qualifier Added Qualifier %Rec Result Unit Limits Chloride 141 252 378.3 90 - 110 mg/Kg

Lab Sample ID: 880-32215-A-1-C MSD

Matrix: Solid

Analysis Batch: 60618

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit 252 Chloride 141 378.1 mg/Kg 94 90 - 110 0 20

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Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

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QC Association Summary

Client: Ensolum Job ID: 890-5103-1
Project/Site: Nash Unit36 SDG: 03C1558117

GC VOA

Analysis Batch: 60963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5103-1	FS32A	Total/NA	Solid	8021B	60970
MB 880-60970/5-A	Method Blank	Total/NA	Solid	8021B	60970
LCS 880-60970/1-A	Lab Control Sample	Total/NA	Solid	8021B	60970
LCSD 880-60970/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	60970
880-32411-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	60970
880-32411-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	60970

Prep Batch: 60970

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5103-1	FS32A	Total/NA	Solid	5035	
MB 880-60970/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-60970/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-60970/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-32411-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-32411-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 61080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5103-1	FS32A	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 60954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5103-1	FS32A	Total/NA	Solid	8015B NM	61008
MB 880-61008/1-A	Method Blank	Total/NA	Solid	8015B NM	61008
LCS 880-61008/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	61008
LCSD 880-61008/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	61008
880-32232-A-1-F MS	Matrix Spike	Total/NA	Solid	8015B NM	61008
880-32232-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	61008

Prep Batch: 61008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5103-1	FS32A	Total/NA	Solid	8015NM Prep	
MB 880-61008/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-61008/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-61008/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-32232-A-1-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-32232-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 61141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5103-1	FS32A	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 60493

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5103-1	FS32A	Soluble	Solid	DI Leach	
MB 880-60493/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-60493/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-60493/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

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8/25/2023

QC Association Summary

Client: Ensolum
Project/Site: Nash Unit36
Job ID: 890-5103-1
SDG: 03C1558117

HPLC/IC (Continued)

Leach Batch: 60493 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32215-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-32215-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 60618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5103-1	FS32A	Soluble	Solid	300.0	60493
MB 880-60493/1-A	Method Blank	Soluble	Solid	300.0	60493
LCS 880-60493/2-A	Lab Control Sample	Soluble	Solid	300.0	60493
LCSD 880-60493/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	60493
880-32215-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	60493
880-32215-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	60493

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Client: Ensolum Job ID: 890-5103-1 Project/Site: Nash Unit36 SDG: 03C1558117

Client Sample ID: FS32A Lab Sample ID: 890-5103-1 Date Collected: 08/14/23 10:30

Matrix: Solid

Date Received: 08/15/23 15:02

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	60970	08/24/23 09:32	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60963	08/24/23 20:39	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			61080	08/25/23 09:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			61141	08/25/23 11:47	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	61008	08/24/23 11:58	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60954	08/25/23 04:40	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	60493	08/17/23 15:13	SMC	EET MID
Soluble	Analysis	300.0		10			60618	08/19/23 02:38	CH	EET MID

Laboratory References:

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

Eurofins Carlsbad

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Accreditation/Certification Summary

Client: Ensolum
Project/Site: Nash Unit36
Job ID: 890-5103-1
SDG: 03C1558117

Laboratory: Eurofins Midland

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

Authority	Pr	ogram	Identification Number	Expiration Date	
Texas		NELAP T104704400-23-26 06-30-24			
The following analytes	are included in this renert hu	it the leberatory is not contiffi	and the sale of the control of the sale of		
the agency does not of		it the laboratory is not certifi	ied by the governing authority. This list ma	ay include analytes for w	
,		Matrix	led by the governing authority. This list ma	ay include analytes for w	
the agency does not of	fer certification.	•	, , ,	ay include analytes for w	

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Method Summary

Client: Ensolum Job ID: 890-5103-1
Project/Site: Nash Unit36 SDG: 03C1558117

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Carlsbad

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Sample Summary

Client: Ensolum

Project/Site: Nash Unit36

Job ID: 890-5103-1

SDG: 03C1558117

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-5103-1	FS32A	Solid	08/14/23 10:30	08/15/23 15:02	1.5

Relinquished by: (Signature)

Circle Method(s) and Metal(s) to be analyzed

Total 200.7 / 6010

200.8 / 6020:

8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd

TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr

obtice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and su

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 su

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 analyze

Received by: (Signature)

1523 Date/Time

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

13 14

eurofins Xenco **Environment Testing**

> Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Chain of Custody

Houston, IX (281) 240-4200, Dallas, IX (214) 902-0300	
Vidland, TX (432) 704-5440, San Antonio, TX (210) 509-3334	Work Order No:
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296	
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	

	www.xenco.com	Page of 1
Green	Work Order Comments	mments
tene st	Program: UST/PST PRP Brow	Brownfields ☐ RRC ☐ Superfund ☐
NM 89220	State of Project:	
	Reporting: Level II 🔲 Level III 🔲 PST/UST 🔲 TRRP 🔲	ST/UST TRRP Level IV
Jugary Com	Deliverables: EDD ADaPT	↑ Other:
ANALYSIS REQUEST	7	Preservative Codes
		None: NO DI Water: H ₂ O
		Cool: Cool MeOH: Me
		HCL: HC HNO 3: HN
	-	H ₂ SO ₄ : H ₂ NaOH: Na
		H ₃ PO ₄ : HP
		NaHSO 4: NABIS
		Na ₂ S ₂ O ₃ : NaSO ₃
		Zn Acetate+NaOH: Zn
890-0100	_	
_		Sample Comments
		Incident #:
		MAPP 222423 W187
		Cost Center:
\		1137 15 1001
1		APT: 30-015-30176
		Ben Bell II:
		ppelijle ensilum. com
		Mariana O'Dell:
	20	moderic ensolum.com
a Cr Co Cu Fe Pb Mg Mn Mo N	Ni K Se Ag SiO ₂ Na Sr Hg: 1631 / 245.1	TI Sn U V Zn /7470 / 7471
ocontractors. It assigns standard terms and conditions in losses are due to circumstances beyond the control	and conditions ad the control	
d. These terms will be enforced unless previously negotiated.	reviously negotiated.	

Cooler Custody Seals: Samples Received Intact: SAMPLE RECEIPT

Sample Custody Seals:

Yes No Yes No N/A

N/A

Corrected Temperature: Temperature Reading:

ò

TPH

BTEX

Chlorides

Correction Factor:

hermometer ID:

300

Parameters

Sample Identification

Matrix

Sampled

1412310:30

Date

Time Sampled

Depth

Comp Grab/

Cont # of

X

Sampler's Name:

Project Location:

32.31051, 103.9H173

01559117

Mariaha O'Dell

TAT starts the day received by

Due Date:

Shens

Routine

Rush

Code

Turn Around

Temp Blank: Yes

Yes

8

Wet Ice: the lab, if received

Yes No by 4:30pm Project Number

roject Name:

Nash Unit 36

Phone:

Address:

ompany Name: roject Manager:

Ensolum, Luc

City, State ZIP:

arispad, NM 882 89 - 854 - 0852

Email:

barrett.

120 88 1C

National Parks

HWI

Address:

Bill to: (if different) Company Name:

104 Sarrett

arisbad

Ener EXX0

City, State ZIP:

8/25/2023

Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-5103-1 SDG Number: 03C1558117

Login Number: 5103 List Source: Eurofins Carlsbad

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	

Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-5103-1 SDG Number: 03C1558117

Login Number: 5103 **List Source: Eurofins Midland** List Number: 2 List Creation: 08/17/23 10:52 AM Creator: Teel, Brianna

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

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Ben Belill Ensolum

601 N. Marienfeld St.

Suite 400

Midland, Texas 79701

Generated 8/25/2023 11:54:00 AM

JOB DESCRIPTION

Nash Unit36 SDG NUMBER 03C1558117

JOB NUMBER

890-5104-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

Eurofins Carlsbad

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Generated 8/25/2023 11:54:00 AM

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

Client: Ensolum
Project/Site: Nash Unit36
Laboratory Job ID: 890-5104-1
SDG: 03C1558117

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Definitions/Glossary

Job ID: 890-5104-1 Client: Ensolum Project/Site: Nash Unit36 SDG: 03C1558117

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description**

S1+ Surrogate recovery exceeds control limits, high biased. Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description**

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**

Detection Limit (DoD/DOE) DL

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

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

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

NC Not Calculated

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

NFG Negative / Absent POS Positive / Present PQL Practical Quantitation Limit

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

TNTC Too Numerous To Count

Case Narrative

 Client: Ensolum
 Job ID: 890-5104-1

 Project/Site: Nash Unit36
 SDG: 03C1558117

Job ID: 890-5104-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-5104-1

Receipt

The samples were received on 8/15/2023 3:02 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 4.0°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: FS29C (890-5104-1) and SW01 (890-5104-2).

GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-60963 recovered below the lower control limit for Benzene, Toluene, Ethylbenzene, m-Xylene & p-Xylene and o-Xylene. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-60963/20).

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 880-61009 and analytical batch 880-60956 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-60956/31) and (CCV 880-60956/47). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-60956 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-60956/47).

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.

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Matrix: Solid

Lab Sample ID: 890-5104-1

Client Sample Results

Client: Ensolum Job ID: 890-5104-1 Project/Site: Nash Unit36 SDG: 03C1558117

Client Sample ID: FS29C

Date Collected: 08/14/23 09:30 Date Received: 08/15/23 15:02

Sample Depth: 3

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		08/24/23 09:32	08/24/23 20:59	1
Toluene	<0.00202	U	0.00202	mg/Kg		08/24/23 09:32	08/24/23 20:59	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		08/24/23 09:32	08/24/23 20:59	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		08/24/23 09:32	08/24/23 20:59	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		08/24/23 09:32	08/24/23 20:59	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		08/24/23 09:32	08/24/23 20:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130			08/24/23 09:32	08/24/23 20:59	1
1,4-Difluorobenzene (Surr)	89		70 - 130			08/24/23 09:32	08/24/23 20:59	1
- Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			08/25/23 09:19	1
Method: SW846 8015 NM - Diese	al Pango Organ	ics (DRO) ((SC)					
	ri Kange Organ	ica (Dito) (30)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Total TPH	Result < 50.0			Unit mg/Kg	<u>D</u>	Prepared	Analyzed 08/25/23 11:26	Dil Fac
Total TPH	<50.0	U	50.0		<u>D</u>	Prepared		
	<50.0	U	50.0		<u>D</u> 	Prepared Prepared		1
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	<50.0	nics (DRO) Qualifier	50.0 (GC)	mg/Kg			08/25/23 11:26	1 Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<50.0 sel Range Orga Result	nics (DRO) Qualifier	50.0 (GC)	mg/Kg		Prepared	08/25/23 11:26 Analyzed	Dil Fac
Total TPH Method: SW846 8015B NM - Dies	<50.0 sel Range Orga Result <50.0	nics (DRO) Qualifier U	50.0 (GC) RL 50.0	mg/Kg Unit mg/Kg		Prepared 08/24/23 12:53	08/25/23 11:26 Analyzed 08/24/23 22:39	Dil Fac
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)	<50.0 sel Range Orga Result <50.0 <50.0	Oualifier U	50.0 (GC) RL 50.0 50.0	mg/Kg Unit mg/Kg mg/Kg		Prepared 08/24/23 12:53 08/24/23 12:53	08/25/23 11:26 Analyzed 08/24/23 22:39 08/24/23 22:39	1 Dil Fac 1 1
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	<50.0 sel Range Orga Result <50.0 <50.0 <50.0	Oualifier U	50.0 (GC) RL 50.0 50.0 50.0	mg/Kg Unit mg/Kg mg/Kg		Prepared 08/24/23 12:53 08/24/23 12:53	08/25/23 11:26 Analyzed 08/24/23 22:39 08/24/23 22:39 08/24/23 22:39	Dil Fac 1 1 Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<50.0 sel Range Orga Result <50.0 <50.0 <50.0 %Recovery	Oualifier U	50.0 (GC) RL 50.0 50.0 50.0 <i>Limits</i>	mg/Kg Unit mg/Kg mg/Kg		Prepared 08/24/23 12:53 08/24/23 12:53 08/24/23 12:53 Prepared	08/25/23 11:26 Analyzed 08/24/23 22:39 08/24/23 22:39 08/24/23 22:39 Analyzed	Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	<50.0 sel Range Orga Result <50.0 <50.0 <50.0 <50.0 20.0 *Recovery 121 128	Oualifier U Qualifier U Qualifier	50.0 (GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 08/24/23 12:53 08/24/23 12:53 08/24/23 12:53 Prepared 08/24/23 12:53	08/25/23 11:26 Analyzed 08/24/23 22:39 08/24/23 22:39 08/24/23 22:39 Analyzed 08/24/23 22:39	1 Dil Fac 1 1
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	<50.0 sel Range Orga Result <50.0 <50.0 <50.0 <50.0 20.0 *Recovery 121 128 128 129 121 121 128 128 129 120 121 121 122 123 124 125 126 127 128 128 129 120 121 121 122 123 124 125 126 127 128 128 129 120 121 128 128 129 120 121 128 128 129 120 121 128 128 129 120 120 121 128 128 129 129 120 120 121 128 128 129 120 <p< td=""><td>Oualifier U Qualifier U Qualifier</td><td>50.0 (GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130</td><td>mg/Kg Unit mg/Kg mg/Kg</td><td></td><td>Prepared 08/24/23 12:53 08/24/23 12:53 08/24/23 12:53 Prepared 08/24/23 12:53</td><td>08/25/23 11:26 Analyzed 08/24/23 22:39 08/24/23 22:39 08/24/23 22:39 Analyzed 08/24/23 22:39</td><td>1 Dil Fac 1 1 1 1 Dil Fac 1</td></p<>	Oualifier U Qualifier U Qualifier	50.0 (GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 08/24/23 12:53 08/24/23 12:53 08/24/23 12:53 Prepared 08/24/23 12:53	08/25/23 11:26 Analyzed 08/24/23 22:39 08/24/23 22:39 08/24/23 22:39 Analyzed 08/24/23 22:39	1 Dil Fac 1 1 1 1 Dil Fac 1

Client Sample ID: SW01

Date Collected: 08/14/23 10:45 Date Received: 08/15/23 15:02

Sample Depth: 0 - 3

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		08/24/23 09:32	08/24/23 21:19	1
Toluene	<0.00199	U	0.00199	mg/Kg		08/24/23 09:32	08/24/23 21:19	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		08/24/23 09:32	08/24/23 21:19	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		08/24/23 09:32	08/24/23 21:19	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		08/24/23 09:32	08/24/23 21:19	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		08/24/23 09:32	08/24/23 21:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130			08/24/23 09:32	08/24/23 21:19	1

Eurofins Carlsbad

Lab Sample ID: 890-5104-2

Matrix: Solid

Client Sample Results

Client: Ensolum Job ID: 890-5104-1 Project/Site: Nash Unit36 SDG: 03C1558117

Client Sample ID: SW01 Lab Sample ID: 890-5104-2 Date Collected: 08/14/23 10:45

Matrix: Solid

Date Received: 08/15/23 15:02 Sample Depth: 0 - 3

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	95		70 - 130			08/24/23 09:32	08/24/23 21:19	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			08/25/23 09:19	1
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4	mg/Kg			08/25/23 11:26	1
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)					
		nics (DRO) Qualifier	(GC)	Unit	D	Prepared	Analyzed	Dil Fac
Analyte		Qualifier		<mark>Unit</mark> mg/Kg	<u>D</u>	Prepared 08/24/23 12:53	Analyzed 08/24/23 23:00	Dil Fac
Analyte Gasoline Range Organics	Result <50.4	Qualifier U	RL 50.4		<u>D</u>	08/24/23 12:53	08/24/23 23:00	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier U	RL		<u>D</u>			Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.4	Qualifier U	50.4 50.4	mg/Kg	<u>D</u>	08/24/23 12:53 08/24/23 12:53	08/24/23 23:00 08/24/23 23:00	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.4	Qualifier U	RL 50.4	mg/Kg	<u>D</u>	08/24/23 12:53	08/24/23 23:00	1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <50.4	Qualifier U U	50.4 50.4	mg/Kg	<u>D</u>	08/24/23 12:53 08/24/23 12:53	08/24/23 23:00 08/24/23 23:00	Dil Fac
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	Result <50.4 <50.4 <50.4	Qualifier U U	50.4 50.4 50.4	mg/Kg	<u>D</u>	08/24/23 12:53 08/24/23 12:53 08/24/23 12:53	08/24/23 23:00 08/24/23 23:00 08/24/23 23:00	1 1

	Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble						
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
l	Chloride	2390		24.8	mg/Kg			08/19/23 02:52	5
Ì	_								

DFBZ = 1,4-Difluorobenzene (Surr)

Surrogate Summary

Client: Ensolum Job ID: 890-5104-1
Project/Site: Nash Unit36 SDG: 03C1558117

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

-				Percent Surrogate Re
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-32411-A-1-B MS	Matrix Spike	89	93	
880-32411-A-1-C MSD	Matrix Spike Duplicate	79	96	
890-5104-1	FS29C	91	89	
890-5104-2	SW01	92	95	
LCS 880-60970/1-A	Lab Control Sample	74	88	
LCSD 880-60970/2-A	Lab Control Sample Dup	92	89	
MB 880-60970/5-A	Method Blank	95	112	
Surrogate Legend				
BFB = 4-Bromofluorobenz	zene (Surr)			

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

Matrix: Solid Prep Type: Total/NA

		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-5084-A-1-D MS	Matrix Spike	108	98
890-5084-A-1-E MSD	Matrix Spike Duplicate	103	98
890-5104-1	FS29C	121	128
890-5104-2	SW01	105	110
LCS 880-61009/2-A	Lab Control Sample	97	105
LCSD 880-61009/3-A	Lab Control Sample Dup	103	117
MB 880-61009/1-A	Method Blank	153 S1+	167 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: Ensolum Job ID: 890-5104-1 SDG: 03C1558117 Project/Site: Nash Unit36

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-60970/5-A

Matrix: Solid Analysis Batch: 60963 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 60970

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/24/23 09:32	08/24/23 13:28	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/24/23 09:32	08/24/23 13:28	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/24/23 09:32	08/24/23 13:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		08/24/23 09:32	08/24/23 13:28	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/24/23 09:32	08/24/23 13:28	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		08/24/23 09:32	08/24/23 13:28	1

MB MB

Surrogate	%Recovery Qua	lifier Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95	70 - 130	08/24/23 09:32	08/24/23 13:28	1
1,4-Difluorobenzene (Surr)	112	70 - 130	08/24/23 09:32	08/24/23 13:28	1

Lab Sample ID: LCS 880-60970/1-A

Matrix: Solid

Analysis Batch: 60963

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 60970

	Бріке	LCS	LUS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08894		mg/Kg		89	70 - 130	
Toluene	0.100	0.09456		mg/Kg		95	70 - 130	
Ethylbenzene	0.100	0.07908		mg/Kg		79	70 - 130	
m-Xylene & p-Xylene	0.200	0.1497		mg/Kg		75	70 - 130	
o-Xylene	0.100	0.07027		mg/Kg		70	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	74	70 - 130
1,4-Difluorobenzene (Surr)	88	70 - 130

Lab Sample ID: LCSD 880-60970/2-A

Matrix: Solid

Analysis Batch: 60963

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 60970

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.1011		mg/Kg		101	70 - 130	13	35	
Toluene	0.100	0.1041		mg/Kg		104	70 - 130	10	35	
Ethylbenzene	0.100	0.09884		mg/Kg		99	70 - 130	22	35	
m-Xylene & p-Xylene	0.200	0.2018		mg/Kg		101	70 - 130	30	35	
o-Xylene	0.100	0.09357		mg/Kg		94	70 - 130	28	35	

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1.4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: 880-32411-A-1-B MS

Matrix: Solid

Analysis Batch: 60963

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

Prep Batch: 60970

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00199	U	0.0996	0.09051		mg/Kg		91	70 - 130	
Toluene	<0.00199	U	0.0996	0.09517		mg/Kg		95	70 - 130	

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Page 9 of 21

Client: Ensolum

Job ID: 890-5104-1

SDG: 03C1558117

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

Lab Sample ID: 880-32411-A-1-B MS

Matrix: Solid

Analysis Batch: 60963

Project/Site: Nash Unit36

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 60970

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00199	U	0.0996	0.08335		mg/Kg		84	70 - 130	
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1593		mg/Kg		80	70 - 130	
o-Xylene	< 0.00199	U	0.0996	0.07229		mg/Kg		72	70 - 130	

MS MS

Surrogate	%Recovery Q	ualifier	Limits
4-Bromofluorobenzene (Surr)	89		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 60970

Lab Sample ID: 880-32411-A-1-C MSD **Matrix: Solid**

Analysis Batch: 60963

_	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00199	U	0.100	0.09915		mg/Kg		99	70 - 130	9	35
Toluene	<0.00199	U	0.100	0.09538		mg/Kg		94	70 - 130	0	35
Ethylbenzene	<0.00199	U	0.100	0.07873		mg/Kg		79	70 - 130	6	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1546		mg/Kg		77	70 - 130	3	35
o-Xylene	<0.00199	U	0.100	0.07085		mg/Kg		70	70 - 130	2	35

MSD MSD

Surrogate	%Recovery Qualif	ier Limits
4-Bromofluorobenzene (Surr)	79	70 - 130
1,4-Difluorobenzene (Surr)	96	70 - 130

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

Lab Sample ID: MB 880-61009/1-A

Matrix: Solid

Analysis Batch: 60956

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

Prep Batch: 61009

	IIID	IVID						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		08/24/23 12:51	08/24/23 19:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		08/24/23 12:51	08/24/23 19:47	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/24/23 12:51	08/24/23 19:47	1

MB MB

MR MR

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	153	S1+	70 - 130	08/24/23 12:51	08/24/23 19:47	1
o-Terphenyl	167	S1+	70 - 130	08/24/23 12:51	08/24/23 19:47	1

Lab Sample ID: LCS 880-61009/2-A

Matrix: Solid

Analysis Batch: 60956

Client Sample	ID: Lab	Control Sample	
	_		

Prep Type: Total/NA Prep Batch: 61009

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	924.4		mg/Kg		92	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	850.1		mg/Kg		85	70 - 130	
C10-C28)								

Job ID: 890-5104-1 Client: Ensolum Project/Site: Nash Unit36 SDG: 03C1558117

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

LCS LCS

%Recovery Qualifier

97

105

Lab Sample ID: LCS 880-61009/2-A Client Sample ID: Lab Control Sample

Matrix: Solid

Surrogate

o-Terphenyl

1-Chlorooctane

Matrix: Solid

Analysis Batch: 60956

Prep Type: Total/NA

Prep Batch: 61009

Lab Sample ID: LCSD 880-61009/3-A Client Sample ID: Lab Control Sample Dup

Limits

70 - 130

70 - 130

Prep Type: Total/NA

Prep Batch: 61009

Analysis Batch: 60956 Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit D %Rec Limits **RPD** Limit 1000 969.2 97 70 - 1305 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 861.8 mg/Kg 86 70 - 13020

C10-C28)

LCSD LCSD Surrogate %Recovery Qualifier Limits 103 70 - 130 1-Chlorooctane o-Terphenyl 117 70 - 130

Lab Sample ID: 890-5084-A-1-D MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 60956

Prep Type: Total/NA

Prep Batch: 61009

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	<50.0	U	1010	1303		mg/Kg		127	70 - 130	_
(GRO)-C6-C10										
Diesel Range Organics (Over	<50.0	U	1010	978.3		mg/Kg		95	70 - 130	
C10-C28)										

MS MS Surrogate %Recovery Qualifier Limits 70 - 130 1-Chlorooctane 108 o-Terphenyl 98 70 - 130

Lab Sample ID: 890-5084-A-1-E MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 60956

Prep Type: Total/NA

Prep Batch: 61009

	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	1010	1245		mg/Kg		121	70 - 130	5	20
(GRO)-C6-C10											
Diesel Range Organics (Over	<50.0	U	1010	959.7		mg/Kg		93	70 - 130	2	20
C10-C28)											

MSD MSD %Recovery Qualifier Surrogate Limits 1-Chlorooctane 103 70 - 130 98 70 - 130 o-Terphenyl

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

Client Sample ID: Matrix Spike

Client Sample ID: Matrix Spike Duplicate

QC Sample Results

Job ID: 890-5104-1 Client: Ensolum Project/Site: Nash Unit36 SDG: 03C1558117

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-60493/1-A

Matrix: Solid

Analysis Batch: 60618

мв мв

Dil Fac Analyte Result Qualifier RL Unit D Prepared Analyzed Chloride <5.00 U 5.00 mg/Kg 08/19/23 01:12

Lab Sample ID: LCS 880-60493/2-A

Matrix: Solid

Analysis Batch: 60618

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 258.8 mg/Kg 104 90 - 110

Lab Sample ID: LCSD 880-60493/3-A

Matrix: Solid

Analysis Batch: 60618

LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 260.0 mg/Kg 104 90 - 110

Lab Sample ID: 880-32215-A-1-B MS

Matrix: Solid

Analysis Batch: 60618

MS MS Sample Sample Spike %Rec Analyte Result Qualifier Added Qualifier %Rec Result Unit Limits Chloride 141 252 378.3 90 - 110 mg/Kg

Lab Sample ID: 880-32215-A-1-C MSD

Matrix: Solid

Analysis Batch: 60618

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 252 141 378.1 mg/Kg 94 90 - 110 20

QC Association Summary

Client: Ensolum Job ID: 890-5104-1
Project/Site: Nash Unit36 SDG: 03C1558117

GC VOA

Analysis Batch: 60963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5104-1	FS29C	Total/NA	Solid	8021B	60970
890-5104-2	SW01	Total/NA	Solid	8021B	60970
MB 880-60970/5-A	Method Blank	Total/NA	Solid	8021B	60970
LCS 880-60970/1-A	Lab Control Sample	Total/NA	Solid	8021B	60970
LCSD 880-60970/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	60970
880-32411-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	60970
880-32411-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	60970

Prep Batch: 60970

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5104-1	FS29C	Total/NA	Solid	5035	
890-5104-2	SW01	Total/NA	Solid	5035	
MB 880-60970/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-60970/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-60970/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-32411-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-32411-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 61081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5104-1	FS29C	Total/NA	Solid	Total BTEX	
890-5104-2	SW01	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 60956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5104-1	FS29C	Total/NA	Solid	8015B NM	61009
890-5104-2	SW01	Total/NA	Solid	8015B NM	61009
MB 880-61009/1-A	Method Blank	Total/NA	Solid	8015B NM	61009
LCS 880-61009/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	61009
LCSD 880-61009/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	61009
890-5084-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	61009
890-5084-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	61009

Prep Batch: 61009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5104-1	FS29C	Total/NA	Solid	8015NM Prep	
890-5104-2	SW01	Total/NA	Solid	8015NM Prep	
MB 880-61009/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-61009/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-61009/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-5084-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-5084-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 61130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5104-1	FS29C	Total/NA	Solid	8015 NM	
890-5104-2	SW01	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Ensolum
Project/Site: Nash Unit36
Job ID: 890-5104-1
SDG: 03C1558117

HPLC/IC

Leach Batch: 60493

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5104-1	FS29C	Soluble	Solid	DI Leach	_
890-5104-2	SW01	Soluble	Solid	DI Leach	
MB 880-60493/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-60493/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-60493/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-32215-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-32215-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 60618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5104-1	FS29C	Soluble	Solid	300.0	60493
890-5104-2	SW01	Soluble	Solid	300.0	60493
MB 880-60493/1-A	Method Blank	Soluble	Solid	300.0	60493
LCS 880-60493/2-A	Lab Control Sample	Soluble	Solid	300.0	60493
LCSD 880-60493/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	60493
880-32215-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	60493
880-32215-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	60493

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Job ID: 890-5104-1 SDG: 03C1558117

Client Sample ID: FS29C

Date Received: 08/15/23 15:02

Project/Site: Nash Unit36

Client: Ensolum

Lab Sample ID: 890-5104-1 Date Collected: 08/14/23 09:30

Matrix: Solid

	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	60970	08/24/23 09:32	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60963	08/24/23 20:59	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			61081	08/25/23 09:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			61130	08/25/23 11:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	61009	08/24/23 12:53	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60956	08/24/23 22:39	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	60493	08/17/23 15:13	SMC	EET MID
Soluble	Analysis	300.0		10			60618	08/19/23 02:45	CH	EET MID

Client Sample ID: SW01 Lab Sample ID: 890-5104-2

Date Collected: 08/14/23 10:45 Matrix: Solid

Date Received: 08/15/23 15:02

	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	60970	08/24/23 09:32	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60963	08/24/23 21:19	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			61081	08/25/23 09:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			61130	08/25/23 11:26	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	61009	08/24/23 12:53	TKC	EET MIC
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60956	08/24/23 23:00	SM	EET MIC
Soluble	Leach	DI Leach			5.04 g	50 mL	60493	08/17/23 15:13	SMC	EET MIC
Soluble	Analysis	300.0		5			60618	08/19/23 02:52	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum Job ID: 890-5104-1 Project/Site: Nash Unit36 SDG: 03C1558117

Laboratory: Eurofins Midland

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

Authority	Pr	ogram	Identification Number	Expiration Date	
Texas		ELAP	T104704400-23-26	06-30-24	
The following analytes	are included in this report, but	it the laboratory is not certific	ed by the governing authority. This list ma	av include analytes for	
the agency does not of	• •	it the laboratory is not certific	su by the governing authority. This list his	ay include analytes loi	
,	• •	Matrix	Analyte	ay illicidde allaiytes ioi	
the agency does not of	fer certification.	,	, , ,	ay include analytes loi	

Method Summary

Client: Ensolum Job ID: 890-5104-1 Project/Site: Nash Unit36 SDG: 03C1558117

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Ensolum

Project/Site: Nash Unit36

Job ID: 890-5104-1 SDG: 03C1558117

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-5104-1	FS29C	Solid	08/14/23 09:30	08/15/23 15:02	3
890-5104-2	SW01	Solid	08/14/23 10:45	08/15/23 15:02	0 - 3

3

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Total 200.7 / 6010

200.8 / 6020:

8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Tl Sn U V Zn

Ren

861111

API:30-015-3017 13115100 OST CENTEY:

pbelilleensolum,com

modelleensolum Mariana O'Dell: nApp 222423018

ncident #

Chain of Custody

2			Tall of Canada	
eurotins	Environment Testing Xenco	Houston, T Midland, TX (EL Paso, TX)	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	Work Order No:
		Hobbs, NM	Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	www.xenco.com Page 1 of 1
ect Manager: Rex	n Beill	Bill to: (if different)	Garrett Green	Work Order Comments
pany Name: EOS	Jum, LLC	Company Name:	XTO Energy	Program: UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐
	3122 National Parks Hwy Address:	Address:	3:04 E. Greene St	State of Project:
State ZIP: (,QY)	spad, NM 98220	City, State ZIP:	Carlsbad, NM 88226	Reporting: Level II Level III PST/UST TRRP Level IV
ne: 080	1-854-0852 Ema	11. Garrett. Gr	Email: Garrett Green@Exxon Nubil Com	Deliverables: EDD ADaPT Other:
ect Name: NOST	Nash Unit 36	Turn Around	ANALYSIS REQUEST	ST Preservative Codes
ect Number: 03C	03C1558117 MRoutine	Rush Code		None: NO DI Water: H ₂ O

Phone:

City, State ZIP:

Address:

Company Name:

roject Manager:

SAMPLE RECEIPT

Temp Blank: (Yes No

Wet Ice:

Parameters

Cooler Custody Seals:

Yes No N/A

Correction Factor: Temperature Reading:

> 0 3 Yes No

norides

890-5104 Chain of Custody

Zn Acetate+NaOH: Zn Na₂S₂O₃: NaSO₃ NaHSO 4: NABIS H3PO4: HP H2SO 4: H 3

NaOH+Ascorbic Acid: SAPC

Sample Comments

PH

BTEX

Thermometer ID: Yes No

Corrected Temperature:

Yes No \N/A

amples Received Intact:

ample Custody Seals:

Sample Identification

Matrix

Sampled

9.30 Sampled

0.45

0-3

Date

Time

Depth

Comp Grab/

Cont #of

SM01

Sampler's Name:

Project Number: Project Name:

32.31051,103.94113 Mariaha O'Dell

Due Date:

Shepc

HCL: HC

HNO 3: HN NaOH: Na

Cool: Cool

MeOH: Me

TAT starts the day received by the lab, if received by 4:30pm

Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-5104-1 SDG Number: 03C1558117

Login Number: 5104 List Source: Eurofins Carlsbad

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	

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Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-5104-1

SDG Number: 03C1558117

List Source: Eurofins Midland List Creation: 08/17/23 10:52 AM

List Number: 2 Creator: Teel, Brianna

Login Number: 5104

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

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<6mm (1/4").

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Kalei Jennings Ensolum 601 N. Marienfeld St. Suite 400 Midland, Texas 79701

Generated 12/7/2022 4:28:00 PM

JOB DESCRIPTION

Nash 36 SDG NUMBER 03E1558117

JOB NUMBER

880-22178-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

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

Authorization

Generated 12/7/2022 4:28:00 PM

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

Client: Ensolum
Project/Site: Nash 36
Laboratory Job ID: 880-22178-1
SDG: 03E1558117

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Definitions/Glossary

Client: Ensolum Job ID: 880-22178-1 SDG: 03E1558117 Project/Site: Nash 36

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossany

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

MLMinimum Level (Dioxin) MPN Most Probable Number MQL Method Quantitation Limit

NC Not Calculated

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

Negative / Absent NEG POS Positive / Present PQL

Practical Quantitation Limit

PRES Presumptive QC **Quality Control**

Relative Error Ratio (Radiochemistry) RER

RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

TNTC Too Numerous To Count

Eurofins Midland

Case Narrative

 Client: Ensolum
 Job ID: 880-22178-1

 Project/Site: Nash 36
 SDG: 03E1558117

Job ID: 880-22178-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-22178-1

Receipt

The samples were received on 12/1/2022 11:17 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-40957 and analytical batch 880-41087 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

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Matrix: Solid

Client Sample Results

Client: Ensolum Job ID: 880-22178-1 Project/Site: Nash 36 SDG: 03E1558117

Client Sample ID: PH01 Lab Sample ID: 880-22178-1 Matrix: Solid

Date Collected: 11/18/22 10:00 Date Received: 12/01/22 11:17

Sample Depth: 1'

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble									
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	476	F1	5.01	mg/Kg			12/07/22 12:48	1

Client Sample ID: PH01A Lab Sample ID: 880-22178-2

Date Collected: 11/18/22 10:05 Date Received: 12/01/22 11:17

Sample Depth: 2'

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	1240		49.6	mg/Kg			12/07/22 13:12	10	

Eurofins Midland

Client: Ensolum Project/Site: Nash 36

Job ID: 880-22178-1 SDG: 03E1558117

Prep Type: Soluble

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-40957/1-A

Lab Sample ID: LCS 880-40957/2-A

Matrix: Solid

Analysis Batch: 41087

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Dil Fac Analyte Result Qualifier RL Unit D Prepared Analyzed Chloride <5.00 U 5.00 mg/Kg 12/07/22 12:24

Client Sample ID: Lab Control Sample

Client Sample ID: Method Blank

Prep Type: Soluble

Client Sample ID: PH01

Client Sample ID: PH01

Prep Type: Soluble

Prep Type: Soluble

Matrix: Solid

Analysis Batch: 41087

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 243.8 mg/Kg 98 90 - 110

Lab Sample ID: LCSD 880-40957/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 41087

LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit Chloride 250 263.6 105 90 - 110 mg/Kg

Lab Sample ID: 880-22178-1 MS

Matrix: Solid

Analysis Batch: 41087

Spike MS MS %Rec Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits 682.9 F1 Chloride 476 F1 251 82 90 - 110 mg/Kg

Lab Sample ID: 880-22178-1 MSD

Matrix: Solid

Analysis Batch: 41087

Sample Sample Spike MSD MSD %Rec RPD Added Analyte Result Qualifier Result Qualifier Unit %Rec Limits RPD Limit Chloride 476 F1 251 708.5 mg/Kg 93 90 - 110 20

Eurofins Midland

QC Association Summary

 Client: Ensolum
 Job ID: 880-22178-1

 Project/Site: Nash 36
 SDG: 03E1558117

HPLC/IC

Leach Batch: 40957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22178-1	PH01	Soluble	Solid	DI Leach	
880-22178-2	PH01A	Soluble	Solid	DI Leach	
MB 880-40957/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-40957/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-40957/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-22178-1 MS	PH01	Soluble	Solid	DI Leach	
880-22178-1 MSD	PH01	Soluble	Solid	DI Leach	

Analysis Batch: 41087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22178-1	PH01	Soluble	Solid	300.0	40957
880-22178-2	PH01A	Soluble	Solid	300.0	40957
MB 880-40957/1-A	Method Blank	Soluble	Solid	300.0	40957
LCS 880-40957/2-A	Lab Control Sample	Soluble	Solid	300.0	40957
LCSD 880-40957/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	40957
880-22178-1 MS	PH01	Soluble	Solid	300.0	40957
880-22178-1 MSD	PH01	Soluble	Solid	300.0	40957

Lab Chronicle

Client: Ensolum Job ID: 880-22178-1 Project/Site: Nash 36 SDG: 03E1558117

Client Sample ID: PH01

Date Received: 12/01/22 11:17

Lab Sample ID: 880-22178-1 Date Collected: 11/18/22 10:00

Matrix: Solid

Batch Batch Dilution Batch Prepared Method Prep Type Туре Run Factor **Number Analyst** Lab or Analyzed DI Leach 40957 SMC 12/03/22 13:46 Soluble Leach EET MID 12/07/22 12:48 300.0 EET MID Soluble Analysis 1 41087 CH

Client Sample ID: PH01A Lab Sample ID: 880-22178-2

Date Collected: 11/18/22 10:05 **Matrix: Solid** Date Received: 12/01/22 11:17

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Soluble	Leach	DI Leach			40957	SMC	EET MID	12/03/22 13:46
Soluble	Analysis	300.0		10	41087	CH	EET MID	12/07/22 13:12

Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

 Client: Ensolum
 Job ID: 880-22178-1

 Project/Site: Nash 36
 SDG: 03E1558117

Laboratory: Eurofins Midland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	06-30-23

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Method Summary

Client: Ensolum Project/Site: Nash 36 Job ID: 880-22178-1

SDG: 03E1558117

03E1558117	

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

Laboratory References:

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

Eurofins Midland

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Sample Summary

Client: Ensolum Project/Site: Nash 36 Job ID: 880-22178-1

SDG: 03E

=1558117	

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-22178-1	PH01	Solid	11/18/22 10:00	12/01/22 11:17	1'
880-22178-2	PH01A	Solid	11/18/22 10:05	12/01/22 11:17	2'

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Address City, State ZIP

3122 National Parks Hwy Carlsbad NM 88220

303-887-2946

City, State ZIP Address

Carlsbad NM 88220 3104 E Green St. XTO Energy Garrett Green

State of Project

Program UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐

Work Order Comments

Reporting Level II 🗌 Level III 🗎 PST/UST 📗 TRRP 🔲

Level IV

Bill to (if different) Company Name

Company Name: Project Manager

Ensolum Kaleı Jennings

Chain of Custody

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

Phone 303-8	303-887-2946		Emai	Email Garrett Green@ExxonMobil com	n@Exx	onMo	bil con			Deliverables EDD [ADaPT 🗆 C	Other:
Project Name	Nash 36	1 36	Tur	Turn Around					ANALYSIS REQUEST	UEST	Pres	Preservative Codes
Project Number	03E1558117	58117	√ Routine	Rush	Code						None NO	
Project Location			Due Date								Cool Cool	_
Sampler's Name	Connor Whitman	Vhitman	TAT starts I	TAT starts the day received by	<u>-</u> 1	-					HCL HC	HNO, HN
PO#			the lab if re	the lab if received by 4 30pm				···········			H, SO, H,	
SAMPLE RECEIPT	Temp Blank	k. Yes No	o Wet Ice	Yes No	eter)					AH OB-H	
Samples Received Intact.	Yes No	=	eter ID:	T-NM-00	ram	00 0					Name N	MARIC
Cooler Custody Seals.	٥	⋛) Factor		Pa	A 3					Na SO Naso	Naco
Sample Custody Seals.	N O	N/A Temperat	Temperature Reading	44		(EP		·			Zn Acetate+NaO	HADE 75
Total Containers.		Corrected	Corrected Temperature			DES	5))21)			NaOH+Asi	NaOH+Ascorbic Acid SAPC
Sample Identification		Matrix Date Sampled	Time Sampled	Depth Grab/	p # of Cont	CHLORI	TPH (80	BTEX (8			Sam	Sample Comments
PH01		S 11/18/2022	022 10 00	1' Grab/	2/	×	×	×			Incident ID	ס
PH01A		S 11/18/2022	022 10 05	2' Grab/	0/ 1	×	×	×			nAPP2224236187	87
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Total 200.7 / 6010	200.8 / 6020:):	8RCRA 13P	13PPM Texas 11 At Sh As Ba Ba B	<u>A</u>	A A	Ra Ra	ω// 2//		Ma Ma Ni V Sa Aa	SO NO SE EL S	100 11 1/2
Circle Method(s) and Metal(s) to be analyzed	etal(s) to be a	nalyzed	TCLP / S	TCLP / SPLP 6010 8RCRA		Sb A	s Ba	Be Co	Cr Co Cu Pb Mn M	Se Ag TI U	Ha 1631/2451/7470	470 / 7471
Notice Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors	nt and relinquishr	nent of samples c	onstitutes a valid pu	urchase order from	client cor	npany to	Eurofin	Xenco,	its affiliates and subcontractors It	It assigns standard terms and conditions	itions	
of service. Eurofins Xenco will be of Eurofins Xenco. A minimum cl	e liable only for th harge of \$85.00 w	le cost of samples	and shall not assu	me any responsibilinarge of \$5 for each	ty for any sample s	losses o	or expens d to Euro	ses incur		due to circumstances beyond the	control negotiated	
Relinquished by (Signature)	nature)	n Rece	Received by (Signature)	ature)		Date	Date/Time		Relinquished by (Signature)	ure) Received by: (Signature)	(Signature)	Date/Time
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www xenco com

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Revised Date 08/25/2020 Rev 2020.2

Login Sample Receipt Checklist

Client: Ensolum Job Number: 880-22178-1 SDG Number: 03E1558117

List Source: Eurofins Midland

Login Number: 22178 List Number: 1

<6mm (1/4").

Creator: Kramer, Jessica

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

Eurofins Midland Page 14 of 14 12/7/2022

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Kalei Jennings Ensolum 601 N. Marienfeld St. Suite 400 Midland, Texas 79701

Generated 12/7/2022 4:28:01 PM

JOB DESCRIPTION

Nash 36 SDG NUMBER 03E15581147

JOB NUMBER

880-22179-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

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

Authorization

Generated 12/7/2022 4:28:01 PM

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

Client: Ensolum
Project/Site: Nash 36
Laboratory Job ID: 880-22179-1
SDG: 03E15581147

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Definitions/Glossary

 Client: Ensolum
 Job ID: 880-22179-1

 Project/Site: Nash 36
 SDG: 03E15581147

Qualifiers

HPLC/IC

MQL

NC

ND NEG

POS

PQL

QC

RER

RL RPD

TEF

TEQ

TNTC

PRES

Qualifier Description

U Indicates the analyte was analyzed for but not detected.

Method Quantitation Limit

Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

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

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

Not Calculated

Negative / Absent

Positive / Present

Presumptive

Quality Control

Glossary	
Abbreviation	These commonly used abbreviations may or may not be present in this report.
n	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number

Eurofins Midland

Case Narrative

 Client: Ensolum
 Job ID: 880-22179-1

 Project/Site: Nash 36
 SDG: 03E15581147

Job ID: 880-22179-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-22179-1

Receipt

The samples were received on 12/1/2022 11:17 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-40957 and 880-40957 and analytical batch 880-41087 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

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1:

Job ID: 880-22179-1

Matrix: Solid

Client: Ensolum SDG: 03E15581147 Project/Site: Nash 36

Client Sample ID: PH02 Lab Sample ID: 880-22179-1 Date Collected: 11/18/22 10:10 Matrix: Solid

Date Received: 12/01/22 11:17

Sample Depth: 1'

Method: MCAWW 300.0 - Anions, Ion	Chromato	graphy - Solu	ıble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4430		49.5	mg/Kg			12/07/22 13:21	10

Client Sample ID: PH02A Lab Sample ID: 880-22179-2

Date Collected: 11/18/22 10:15 Date Received: 12/01/22 11:17

Sample Depth: 2'

Method: MCAWW 300.0 - Anions, Id	on Chromato	graphy - Sol	uble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3050		50.2	mg/Kg			12/07/22 13:29	10

Client Sample ID: PH02B Lab Sample ID: 880-22179-3 **Matrix: Solid**

Date Collected: 11/18/22 10:20 Date Received: 12/01/22 11:17

Sample Depth: 3'

Method: MCAWW 300.0 - Anions, I	on Chromato	graphy - So	luble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6460		99.2	mg/Kg			12/07/22 13:37	20

Client Sample ID: PH02C Lab Sample ID: 880-22179-4 Date Collected: 11/18/22 10:25 **Matrix: Solid**

Date Received: 12/01/22 11:17

Sample Depth: 4'

Method: MCAWW 300.0 - Anions, I	on Chromato	graphy - Sol	uble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4860		101	mg/Kg			12/07/22 14:01	20

Dil Fac

QC Sample Results

Client: Ensolum Job ID: 880-22179-1 Project/Site: Nash 36 SDG: 03E15581147

RL

5.00

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-40957/1-A

Matrix: Solid

Analysis Batch: 41087

MB MB

Analyte Result Qualifier Chloride <5.00 U

Lab Sample ID: LCS 880-40957/2-A

Matrix: Solid Analysis Batch: 41087

Analyte Chloride

Lab Sample ID: LCSD 880-40957/3-A

Matrix: Solid

Analysis Batch: 41087

Spike Analyte Added Chloride

Added 250

250

Spike

Result Qualifier 243.8

LCS LCS

Unit

mg/Kg

LCSD LCSD

263.6

Result Qualifier Unit

Unit

mg/Kg

mg/Kg

D

Prepared

%Rec

98

105

D

90 - 110

%Rec

Limits **RPD**

Client Sample ID: Method Blank

Analyzed

12/07/22 12:24

Client Sample ID: Lab Control Sample

%Rec

Limits

90 - 110

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

RPD

Limit

20

Eurofins Midland

QC Association Summary

 Client: Ensolum
 Job ID: 880-22179-1

 Project/Site: Nash 36
 SDG: 03E15581147

HPLC/IC

Leach Batch: 40957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22179-1	PH02	Soluble	Solid	DI Leach	
880-22179-2	PH02A	Soluble	Solid	DI Leach	
880-22179-3	PH02B	Soluble	Solid	DI Leach	
880-22179-4	PH02C	Soluble	Solid	DI Leach	
MB 880-40957/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-40957/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-40957/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 41087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22179-1	PH02	Soluble	Solid	300.0	40957
880-22179-2	PH02A	Soluble	Solid	300.0	40957
880-22179-3	PH02B	Soluble	Solid	300.0	40957
880-22179-4	PH02C	Soluble	Solid	300.0	40957
MB 880-40957/1-A	Method Blank	Soluble	Solid	300.0	40957
LCS 880-40957/2-A	Lab Control Sample	Soluble	Solid	300.0	40957
LCSD 880-40957/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	40957

Eurofins Midland

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Client: Ensolum Project/Site: Nash 36 Job ID: 880-22179-1 SDG: 03E15581147

Lab Sample ID: 880-22179-1

Matrix: Solid

Client Sample ID: PH02

Date Collected: 11/18/22 10:10 Date Received: 12/01/22 11:17

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Soluble	Leach	DI Leach			40957	SMC	EET MID	12/03/22 13:46
Soluble	Analysis	300.0		10	41087	CH	EET MID	12/07/22 13:21

Client Sample ID: PH02A Lab Sample ID: 880-22179-2

Date Collected: 11/18/22 10:15 **Matrix: Solid**

Date Received: 12/01/22 11:17

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Soluble	Leach	DI Leach			40957	SMC	EET MID	12/03/22 13:46
Soluble	Analysis	300.0		10	41087	CH	EET MID	12/07/22 13:29

Client Sample ID: PH02B Lab Sample ID: 880-22179-3

Date Collected: 11/18/22 10:20 **Matrix: Solid**

Date Received: 12/01/22 11:17

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Soluble	Leach	DI Leach			40957	SMC	EET MID	12/03/22 13:46
Soluble	Analysis	300.0		20	41087	CH	EET MID	12/07/22 13:37

Client Sample ID: PH02C Lab Sample ID: 880-22179-4

Date Collected: 11/18/22 10:25

Date Received: 12/01/22 11:17

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Soluble	Leach	DI Leach		- <u></u>	40957	SMC	EET MID	12/03/22 13:46
Soluble	Analysis	300.0		20	41087	CH	EET MID	12/07/22 14:01

Laboratory References:

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

Eurofins Midland

Matrix: Solid

Accreditation/Certification Summary

 Client: Ensolum
 Job ID: 880-22179-1

 Project/Site: Nash 36
 SDG: 03E15581147

Laboratory: Eurofins Midland

The accreditations/certifications listed below are applicable to this report.

	Authority	Program	Identification Number	Expiration Date
١	Texas	NELAP	T104704400-22-24	06-30-23

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Method Summary

Client: Ensolum Project/Site: Nash 36 Job ID: 880-22179-1

SDG: 03E15581147

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

Laboratory References:

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

Sample Summary

Client: Ensolum Project/Site: Nash 36 Job ID: 880-22179-1

SDG: 03E15581147

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-22179-1	PH02	Solid	11/18/22 10:10	12/01/22 11:17	1'
880-22179-2	PH02A	Solid	11/18/22 10:15	12/01/22 11:17	2'
880-22179-3	PH02B	Solid	11/18/22 10:20	12/01/22 11:17	3'
880-22179-4	PH02C	Solid	11/18/22 10:25	12/01/22 11:17	4'

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Phone.

303-887-2946

Email | Garrett.Green@ExxonMobil.com

City, State ZIP

Project Manager

Company Name ddress

> Ensolum Kalei Jennings

3122 National Parks Hwy Carlsbad, NM 88220

> Address. Company Name Bill to (if different)

> > XTO Energy

Garrett Green

City, State ZIP

Carlsbad NM 88220 3104 E Green St

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

Work Order No: _

Deliverables EDD ☐ ADaPT ☐ Other	Reporting Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	State of Project	Program UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐	Work Order Comments	www.xenco.com Page of
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5	3	1 0 1	Relinquished by: (Signature)	nouse 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 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.	Circle Method(s) and Metal(s) to be analyzed	Total 200.7 / 6010							PH02C	PH02B	PH02A	PH02	Sample Identification	Total Containers.	Sample Custody Seals	Cooler Custody Seals	Samples Received Intact	SAMPLE RECEIPT	PO#	Sampler's Name	Project Location.	Project Number	Project Name
			· (Signature)	ocument and relinquist o will be liable only for imum charge of \$85.00	nd Metal(s) to be	10 200.8 / 6020:	Ш						Ö	B	A	2			ls. Yes No	Yes No	Yes	PT Temp Blank		Connor		03E1	Nas
	((- C)	Re	the cost of sample will be applied to	analyzed	20:				-	Contract of the Contract of th		S 11/18	S 11/18/2022	S 11/18	S 11/18	Matrix Date Sampled	Correct	N/A Tempe	N/A Correct	No Thermo	ınk. Yes		Connor Whitman		03E1558117	Nash 36
	(Received by: (Signature)	s constitutes a viles and shall no	TCL	8RCRA							11/18/2022 10	Г	11/18/2022 10	11/18/2022 10	v	Corrected Temperature	Temperature Reading	Correction Factor	Thermometer ID	No Wet Ice	the la	TATs	Due Date	∠ R	
q	\prec	5	Signature)	alid purchase i t assume any n id a charge of t	TCLP / SPLP 6010	13PPM T							10 25 4	10 20 3	10 15 2	10 10 1	Time Depth				Ti)	the lab if received by 4 30pm	TAT starts the day received by)ate	Routine	Turn Around
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			Date/Time		7471	V Zn							137151001				Sample Comments	NaOH+Ascorbic Acid SAPC	OH Zn	<u>. </u>			NaOH Na	HNO. HN	MPOH MP	DI Water: H ₂ O	Preservative Codes

Revised Date - 08/25/2020 Rev 2020.2

Login Sample Receipt Checklist

Client: Ensolum Job Number: 880-22179-1 SDG Number: 03E15581147

List Source: Eurofins Midland

Login Number: 22179 List Number: 1

Creator: Kramer, Jessica

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

12/7/2022

Page 279 of 356

<6mm (1/4").

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Kalei Jennings Ensolum 601 N. Marienfeld St. Suite 400 Midland, Texas 79701

Generated 12/7/2022 4:28:34 PM

JOB DESCRIPTION

Nash 36 SDG NUMBER 03E1558117

JOB NUMBER

880-22181-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

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

Authorization

Generated 12/7/2022 4:28:34 PM

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

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Client: Ensolum
Project/Site: Nash 36
Laboratory Job ID: 880-22181-1
SDG: 03E1558117

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
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Definitions/Glossary

Client: Ensolum Job ID: 880-22181-1 SDG: 03E1558117 Project/Site: Nash 36

Qualifiers

HPLC/IC

Qualifier **Qualifier Description**

U Indicates the analyte was analyzed for but not detected.

Most Probable Number

Not Calculated

Negative / Absent

Positive / Present

Presumptive

Quality Control

Method Quantitation Limit

Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

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

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

MPN

MQL

NC

ND NEG

POS

PQL

QC

RER

RL RPD

TEF

TEQ

TNTC

PRES

Glossary							
Abbreviation	These commonly used abbreviations may or may not be present in this report.						
n	sted under the "D" column to designate that the result is reported on a dry weight basis						
%R	Percent Recovery						
CFL	Contains Free Liquid						
CFU	Colony Forming Unit						
CNF	Contains No Free Liquid						
DER	Duplicate Error Ratio (normalized absolute difference)						
Dil Fac	Dilution Factor						
DL	Detection Limit (DoD/DOE)						
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample						
DLC	Decision Level Concentration (Radiochemistry)						
EDL	Estimated Detection Limit (Dioxin)						
LOD	Limit of Detection (DoD/DOE)						
LOQ	Limit of Quantitation (DoD/DOE)						
MCL	EPA recommended "Maximum Contaminant Level"						
MDA	Minimum Detectable Activity (Radiochemistry)						
MDC	Minimum Detectable Concentration (Radiochemistry)						
MDL	Method Detection Limit						
ML	Minimum Level (Dioxin)						

Eurofins Midland

Case Narrative

 Client: Ensolum
 Job ID: 880-22181-1

 Project/Site: Nash 36
 SDG: 03E1558117

Job ID: 880-22181-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-22181-1

Receipt

The sample was received on 12/1/2022 11:17 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice.

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-40957 and analytical batch 880-41087 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

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Client Sample Results

Client: Ensolum Job ID: 880-22181-1 Project/Site: Nash 36 SDG: 03E1558117

Client Sample ID: PH04 Lab Sample ID: 880-22181-1 Matrix: Solid

Date Collected: 11/18/22 13:00 Date Received: 12/01/22 11:17

Sample Depth: 1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble									
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	14600		251	mg/Kg			12/07/22 14:09	50

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

QC Sample Results

 Client: Ensolum
 Job ID: 880-22181-1

 Project/Site: Nash 36
 SDG: 03E1558117

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-40957/1-A

Matrix: Solid

Analysis Batch: 41087

MB MB

 Analyte
 Result
 Qualifier
 RL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 Chloride
 <5.00</td>
 U
 5.00
 mg/Kg
 12/07/22 12:24
 1

Lab Sample ID: LCS 880-40957/2-A

Matrix: Solid

Analysis Batch: 41087

Spike LCS LCS %Rec Added Result Qualifier Analyte Unit D %Rec Limits Chloride 250 243.8 mg/Kg 98 90 - 110

Lab Sample ID: LCSD 880-40957/3-A

Matrix: Solid

Analysis Batch: 41087

LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit Limits **RPD** Limit Chloride 250 263.6 105 90 - 110 20 mg/Kg

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QC Association Summary

 Client: Ensolum
 Job ID: 880-22181-1

 Project/Site: Nash 36
 SDG: 03E1558117

HPLC/IC

Leach Batch: 40957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22181-1	PH04	Soluble	Solid	DI Leach	
MB 880-40957/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-40957/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-40957/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 41087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22181-1	PH04	Soluble	Solid	300.0	40957
MB 880-40957/1-A	Method Blank	Soluble	Solid	300.0	40957
LCS 880-40957/2-A	Lab Control Sample	Soluble	Solid	300.0	40957
LCSD 880-40957/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	40957

Eurofins Midland

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Lab Chronicle

 Client: Ensolum
 Job ID: 880-22181-1

 Project/Site: Nash 36
 SDG: 03E1558117

Client Sample ID: PH04 Lab Sample ID: 880-22181-1

Date Collected: 11/18/22 13:00

Date Received: 12/01/22 11:17

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Soluble	Leach	DI Leach			40957	SMC	EET MID	12/03/22 13:46
Soluble	Analysis	300.0		50	41087	CH	EET MID	12/07/22 14:09

Laboratory References:

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

Eurofins Midland

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Accreditation/Certification Summary

 Client: Ensolum
 Job ID: 880-22181-1

 Project/Site: Nash 36
 SDG: 03E1558117

Laboratory: Eurofins Midland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	06-30-23

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Method Summary

Client: Ensolum Project/Site: Nash 36 Job ID: 880-22181-1

SDG: 03

3E1558117	

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

Laboratory References:

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

Sample Summary

Client: Ensolum Project/Site: Nash 36 Job ID: 880-22181-1

SDG: 03E1558117

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-22181-1	PH04	Solid	11/18/22 13:00	12/01/22 11:17	1

Relinquished by (Signature)

Received by: (Signature)

121.122 11:17

Date/Time

Relinquished by (Signature)

Received by (Signature)

Date/Time

Revised Date: 08/25/2020 Rev 2020.2

* Curofins 2000 FM

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Phone

City, State ZIP Address

3122 National Parks Hwy

Address

Carlsbad NM 8822 3104 E Green St XTO Energy Garrett Green

State of Project

Program· UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund

Work Order Comments

www.xenco.com

Page

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Bill to (if different)

Company Name:

Project Manager

Kaleı Jennings

Company Name

Ensolum

Project Number

Project Name:

Sampler's Name

Project Location.

Chain of Custody

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

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ircle Method(s) ar	Sircle Method(s) and Metal(s) to be analyzed	ä	TCLP / SP	TCLP / SPLP 6010 8RCRA	RCRA	Sb	As Ba	Be (Cr Cr	8	Cu Pt	Sb As Ba Be Cd Cr Co Cu Pb Mn Mo		Ni Se Ag TI U	Ag TI	C		1g 16	31/2	Hg 1631/2451/7470/747	470 /	7471	
otice Signature of this d f service. Eurofins Xence	otice. Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any reconscibility for any lacons or company to Eurofins Xenco.	samples constitu	tes a valid purc	hase order from	client co	mpany	to Eurof	ins Xeno	o, its af	iliates :	nd subc	ontracto	rs. It as	assigns standard terms and conditions	tandard	terms	and cor	ditions					
Eurofins Xenco. A mini	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.	plied to each pro	ject and a char	ge of \$5 for each	sample	submitt	ed to Eu	rofins X	enco, bu	t not ar	ent if su	These te	s are du	due to circumstances beyond the control will be enforced unless previously negotia	orced ur	less pr	yond the	negotia	ted.				

Login Sample Receipt Checklist

Client: Ensolum Job Number: 880-22181-1 SDG Number: 03E1558117

List Source: Eurofins Midland

Login Number: 22181 List Number: 1

Creator: Kramer, Jessica

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

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<6mm (1/4").

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Kalei Jennings Ensolum 601 N. Marienfeld St. Suite 400 Midland, Texas 79701

Generated 12/7/2022 4:28:47 PM

JOB DESCRIPTION

Nash 36 SDG NUMBER 03E1558117

JOB NUMBER

880-22182-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

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

Authorization

Generated 12/7/2022 4:28:47 PM

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

12

Client: Ensolum
Project/Site: Nash 36
Laboratory Job ID: 880-22182-1
SDG: 03E1558117

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Definitions/Glossary

 Client: Ensolum
 Job ID: 880-22182-1

 Project/Site: Nash 36
 SDG: 03E1558117

Qualifiers

HPLC/IC

MPN

MQL

NC

ND NEG

POS

PQL

QC

RER

RL RPD

TEF

TEQ

TNTC

PRES

Qualifier Description

U Indicates the analyte was analyzed for but not detected.

Most Probable Number

Not Calculated

Negative / Absent

Positive / Present

Presumptive

Quality Control

Method Quantitation Limit

Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

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

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

Glossary	
Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)

Case Narrative

 Client: Ensolum
 Job ID: 880-22182-1

 Project/Site: Nash 36
 SDG: 03E1558117

Job ID: 880-22182-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-22182-1

Receipt

The samples were received on 12/1/2022 11:17 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-40957 and 880-40957 and analytical batch 880-41087 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

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Client Sample Results

 Client: Ensolum
 Job ID: 880-22182-1

 Project/Site: Nash 36
 SDG: 03E1558117

Client Sample ID: PH03 Lab Sample ID: 880-22182-1

Date Collected: 11/18/22 12:30

Date Received: 12/01/22 11:17

Matrix: Solid

Method: MCAWW 300.0 - Anions, Ion Chromatography - SolubleAnalyteResultQualifierRLUnitDPreparedAnalyzedDil FacChloride787099.0mg/Kg12/07/22 14:1720

Client Sample ID: PH03A Lab Sample ID: 880-22182-2

Date Collected: 11/18/22 12:35 Matrix: Solid

Date Received: 12/01/22 11:17

Method: MCAWW 300.0 - Anions, Ion Chromatography - SolubleAnalyteResultQualifierRLUnitDPreparedAnalyzedDil FacChloride7520101mg/Kg12/07/22 14:2520

Client Sample ID: PH03B Lab Sample ID: 880-22182-3

Date Collected: 11/18/22 12:40 Matrix: Solid

Date Received: 12/01/22 11:17

Method: MCAWW 300.0 - Anions, Ion Chromatography - SolubleAnalyteResultQualifierRLUnitDPreparedAnalyzedDil FacChloride473050.4mg/Kg12/07/22 14:3410

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QC Sample Results

 Client: Ensolum
 Job ID: 880-22182-1

 Project/Site: Nash 36
 SDG: 03E1558117

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-40957/1-A Client Sample ID: Method Blank

Matrix: Solid
Analysis Batch: 41087

Prep Type: Soluble

 Analyte
 Result
 Qualifier
 RL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 Chloride
 <5.00</td>
 U
 5.00
 mg/Kg
 12/07/22 12:24
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Lab Sample ID: LCS 880-40957/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid Prep Type: Soluble

Analysis Batch: 41087

Spike LCS LCS

 Spike
 LCS
 LCS
 %Rec

 Analyte
 Added
 Result
 Qualifier
 Unit
 D
 %Rec
 Limits

 Chloride
 250
 243.8
 mg/Kg
 98
 90 - 110

Lab Sample ID: LCSD 880-40957/3-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 41087

LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit Limits **RPD** Limit Chloride 250 263.6 105 90 - 110 20 mg/Kg

QC Association Summary

 Client: Ensolum
 Job ID: 880-22182-1

 Project/Site: Nash 36
 SDG: 03E1558117

HPLC/IC

Leach Batch: 40957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22182-1	PH03	Soluble	Solid	DI Leach	
880-22182-2	PH03A	Soluble	Solid	DI Leach	
880-22182-3	PH03B	Soluble	Solid	DI Leach	
MB 880-40957/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-40957/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-40957/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 41087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22182-1	PH03	Soluble	Solid	300.0	40957
880-22182-2	PH03A	Soluble	Solid	300.0	40957
880-22182-3	PH03B	Soluble	Solid	300.0	40957
MB 880-40957/1-A	Method Blank	Soluble	Solid	300.0	40957
LCS 880-40957/2-A	Lab Control Sample	Soluble	Solid	300.0	40957
LCSD 880-40957/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	40957

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Leach

Analysis

12/03/22 13:46

12/07/22 14:17

Client: Ensolum Job ID: 880-22182-1 Project/Site: Nash 36 SDG: 03E1558117

Client Sample ID: PH03 Lab Sample ID: 880-22182-1

Date Collected: 11/18/22 12:30 **Matrix: Solid** Date Received: 12/01/22 11:17

40957

41087 CH

SMC

EET MID

EET MID

Batch Batch Dilution Batch Prepared Prep Type Туре Method Run Factor Number Analyst Lab or Analyzed

20 Client Sample ID: PH03A Lab Sample ID: 880-22182-2

Date Collected: 11/18/22 12:35 **Matrix: Solid**

Date Received: 12/01/22 11:17

Batch Batch Dilution Batch Prepared Method **Prep Type** Туре Run Factor Number Analyst Lab or Analyzed Soluble DI Leach 40957 SMC EET MID 12/03/22 13:46 Leach 300.0 41087 CH 12/07/22 14:25 Soluble Analysis 20 **EET MID**

Client Sample ID: PH03B Lab Sample ID: 880-22182-3

Date Collected: 11/18/22 12:40 **Matrix: Solid**

Date Received: 12/01/22 11:17

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Soluble	Leach	DI Leach			40957	SMC	EET MID	12/03/22 13:46
Soluble	Analysis	300.0		10	41087	CH	EET MID	12/07/22 14:34

Laboratory References:

Soluble

Soluble

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

DI Leach

300.0

Released to Imaging: 1/31/2024 1:23:41 PM

Accreditation/Certification Summary

 Client: Ensolum
 Job ID: 880-22182-1

 Project/Site: Nash 36
 SDG: 03E1558117

Laboratory: Eurofins Midland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	06-30-23

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Method Summary

Client: Ensolum Project/Site: Nash 36 Job ID: 880-22182-1

SDG: 03E1558117

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

Laboratory References:

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

Sample Summary

Client: Ensolum Project/Site: Nash 36 Job ID: 880-22182-1

SDG: 03E1558117

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-22182-1	PH03	Solid	11/18/22 12:30	12/01/22 11:17
880-22182-2	PH03A	Solid	11/18/22 12:35	12/01/22 11:17
880-22182-3	PH03B	Solid	11/18/22 12:40	12/01/22 11:17

Relinquished by: (Signature)

Received by (Signature)

12/1/22 11:17 Date/Time

Relinquished by: (Signature)

Received by (Signature)

Date/Time

Revised Date: 08/25/2020 Rev 2020.2

* Curofins

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Project N Phone City, State ZIP Address

303-887-2946

Email

Garrett Green@ExxonMobil.com

Project Manager Company Name

Ensolum Kalei Jennings

3122 National Parks Hwy Carlsbad, NM 88220

Address

City, State ZIP

Carlsbad NM 88220 3104 E Green St XTO Energy Garrett Green

State of Project

Deliverables EDD [

ADaPT []

Level IV

Program UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐

Work Order Comments

www.xenco.com

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<u>으</u>,

Bill to (if different)

Company Name.

Houston TX (281) 240-4200 Dallas TX (214) 902-0300 Chain of Custody

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Project Name	Na	Nash 36		Turn	Turn Around	ļ							ANALYSIS REQUEST	SIS	REC	ÜES	-ij						ם	rese	vativ	Preservative Codes	B	********
Project Number	03E1	03E1558117	7	Routine	Rush	~ ~	Pres. Code											\dashv					None NO	ŏ		Ol Wat	DI Water: H ₂ O	
Project Location				Due Date													1	\dashv		\dashv	_	\perp	Cool Cool	., <u>2</u>	-	MeOH Me	Mp ,	
Sampler's Name	Connor Whitman	Whitm		TAT starts the day received by	day receiv	ed by																	HCL HC	ਨ	.	TNO, TN	Ξį	
PO#:				the lab if received by 4 30pm	eived by 4 3	Opm .	s												·				H ₂ S0, H ₂	Ţ (.	NaOH Na	2 2	
SAMPLE RECEIPT	Temp Blank	⊋ .	Yes No	Wet lœ	(Ses.)	8	eter)															H,PO, HP	Ţ,			į	
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Sample Custody Seals	8		Temperature Reading	Reading	4			(EPA															Nagogog Nadog	43 146		3		
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Methy according to the contract of the contrac		4					1	RID	301	(80													1	1	100		6	
Sample Identification		Matrix	Date Sampled	Time Sampled	Depth C	Grab/ ;	# of Cont	CHLO	TPH (8	BTEX													(O	šamp	le Co	Sample Comments	र्छ	Door
PH03		S	11/18/2022	12 30	1	grab/		×	×	×											_		Incident ID	ă				1
PH03A		S	11/18/2022	12 35	2	grab/	1	×	×	×							\neg	\dashv	-	_	_	_	nAPP2224236187	4236187				
PH03B		S	11/18/2022	12 40	ω	grab/	-	×	×	×													Cost Center	Cente	ج			1
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Circle Method(s) and Metal(s) to be analyzed	Metal(s) to be	analyz		TCLP / SPLP 6010 8RCRA	LP 6010	8RCF	ξ S	b As	Sb As Ba Be	ВеС	δ.	င္ပ	Cd Cr Co Cu Pb Mn Mo Ni Se Ag TI U	Mn	Mo	N: S	e Ag	11 (ļ.,	ig 16	31/	245 1	1747	Hg 1631/2451/7470/7471	471		
Notice Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco its affiliates and subcontractors.	ment and relinquis	hment of	samples constitu	utes a valid purc	hase order f	rom clier	it comp	any to	Eurofin	Xenco	its affi	liates a	nd subc	ontrac	ors. It	assigr	ıs stanı	dard te	rms ar	It assigns standard terms and conditions	ditions							
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	m charge of \$85.00	will be ap	oplied to each pr	oject and a char	ge of \$5 for	each san	ple sub	mitted	to Euro	fins Xer	ico, bu	not an	nt if su alyzed	These t	es are erms v	vill be s	ercum	d unles	s beyo	nd the	contro	ted						

Login Sample Receipt Checklist

Client: Ensolum Job Number: 880-22182-1 SDG Number: 03E1558117

List Source: Eurofins Midland

List Number: 1

Creator: Kramer, Jessica

Login Number: 22182

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

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Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Kalei Jennings Ensolum 601 N. Marienfeld St. Suite 400 Midland, Texas 79701

Generated 12/7/2022 4:28:47 PM

JOB DESCRIPTION

Nash 36 SDG NUMBER 03E1558117

JOB NUMBER

880-22184-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

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

Authorization

Generated 12/7/2022 4:28:47 PM

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

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Client: Ensolum
Project/Site: Nash 36
Laboratory Job ID: 880-22184-1
SDG: 03E1558117

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Lab Chronicle	9
Certification Summary	10
Method Summary	11
Sample Summary	12
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Receint Checklists	14

Definitions/Glossary

 Client: Ensolum
 Job ID: 880-22184-1

 Project/Site: Nash 36
 SDG: 03E1558117

Qualifiers

LID	10	110
пг	LU	IL

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Glossary	
Abbreviation	These commonly used abbreviations may or may not be present in this report.
n	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)

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

NC Not Calculated

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

NEG Negative / Absent
POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

TNTC Too Numerous To Count

Eurofins Midland

Case Narrative

 Client: Ensolum
 Job ID: 880-22184-1

 Project/Site: Nash 36
 SDG: 03E1558117

Job ID: 880-22184-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-22184-1

Receipt

The samples were received on 12/1/2022 11:17 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-40957 and analytical batch 880-41087 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

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Matrix: Solid

Client Sample Results

Client: Ensolum Job ID: 880-22184-1 Project/Site: Nash 36 SDG: 03E1558117

Client Sample ID: PH06 Lab Sample ID: 880-22184-1

Date Collected: 11/18/22 13:55 Matrix: Solid Date Received: 12/01/22 11:17

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac 100 Chloride 3440 F1 mg/Kg 12/07/22 14:42 20

Client Sample ID: PH06A Lab Sample ID: 880-22184-2 Date Collected: 11/18/22 14:00

Date Received: 12/01/22 11:17

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL Unit D Analyzed Dil Fac Prepared Chloride 101 12/07/22 15:06 20 4410 mg/Kg

Client Sample ID: PH06B Lab Sample ID: 880-22184-3

Date Collected: 11/18/22 14:10 Matrix: Solid Date Received: 12/01/22 11:17

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Analyte RL Unit D Prepared Analyzed Dil Fac mg/Kg Chloride 4110 99.2 12/07/22 15:14 20

Client: Ensolum Project/Site: Nash 36

Job ID: 880-22184-1 SDG: 03E1558117

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

Client Sample ID: PH06

Client Sample ID: PH06

Prep Type: Soluble

Prep Type: Soluble

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-40957/1-A

Matrix: Solid

Analysis Batch: 41087

мв мв

Dil Fac Analyte Result Qualifier RL Unit D Prepared Analyzed Chloride <5.00 U 5.00 mg/Kg 12/07/22 12:24

Lab Sample ID: LCS 880-40957/2-A

Matrix: Solid

Analysis Batch: 41087

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 243.8 mg/Kg 98 90 - 110

Lab Sample ID: LCSD 880-40957/3-A

Matrix: Solid

Analysis Batch: 41087

LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit Chloride 250 263.6 105 mg/Kg 90 - 110

Lab Sample ID: 880-22184-1 MS

Matrix: Solid

Analysis Batch: 41087

Spike MS MS %Rec Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Chloride 3440 F1 5010 9937 F1 130 90 - 110 mg/Kg

Lab Sample ID: 880-22184-1 MSD

Matrix: Solid

Analysis Batch: 41087

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 3440 F1 5010 10220 F1 mg/Kg 135 90 - 110 3 20

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QC Association Summary

 Client: Ensolum
 Job ID: 880-22184-1

 Project/Site: Nash 36
 SDG: 03E1558117

HPLC/IC

Leach Batch: 40957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22184-1	PH06	Soluble	Solid	DI Leach	
880-22184-2	PH06A	Soluble	Solid	DI Leach	
880-22184-3	PH06B	Soluble	Solid	DI Leach	
MB 880-40957/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-40957/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-40957/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-22184-1 MS	PH06	Soluble	Solid	DI Leach	
880-22184-1 MSD	PH06	Soluble	Solid	DI Leach	

Analysis Batch: 41087

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Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22184-1	PH06	Soluble	Solid	300.0	40957
880-22184-2	PH06A	Soluble	Solid	300.0	40957
880-22184-3	PH06B	Soluble	Solid	300.0	40957
MB 880-40957/1-A	Method Blank	Soluble	Solid	300.0	40957
LCS 880-40957/2-A	Lab Control Sample	Soluble	Solid	300.0	40957
LCSD 880-40957/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	40957
880-22184-1 MS	PH06	Soluble	Solid	300.0	40957
880-22184-1 MSD	PH06	Soluble	Solid	300.0	40957

Eurofins Midland

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Client: Ensolum Project/Site: Nash 36

Job ID: 880-22184-1 SDG: 03E1558117

Lab Sample ID: 880-22184-1

Matrix: Solid

Client Sample ID: PH06 Date Collected: 11/18/22 13:55 Date Received: 12/01/22 11:17

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Soluble	Leach	DI Leach			40957	SMC	EET MID	12/03/22 13:46
Soluble	Analysis	300.0		20	41087	CH	EET MID	12/07/22 14:42

Lab Sample ID: 880-22184-2

Matrix: Solid

Date Collected: 11/18/22 14:00 Date Received: 12/01/22 11:17

Client Sample ID: PH06A

		Batch	Batch		Dilution	Batch			Prepared
	Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
	Soluble	Leach	DI Leach			40957	SMC	EET MID	12/03/22 13:46
l	Soluble	Analysis	300.0		20	41087	CH	EET MID	12/07/22 15:06

Client Sample ID: PH06B Lab Sample ID: 880-22184-3

Date Collected: 11/18/22 14:10 **Matrix: Solid**

Date Received: 12/01/22 11:17

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Soluble	Leach	DI Leach			40957	SMC	EET MID	12/03/22 13:46
Soluble	Analysis	300.0		20	41087	CH	EET MID	12/07/22 15:14

Laboratory References:

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

Accreditation/Certification Summary

 Client: Ensolum
 Job ID: 880-22184-1

 Project/Site: Nash 36
 SDG: 03E1558117

Laboratory: Eurofins Midland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	06-30-23

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Method Summary

Client: Ensolum
Project/Site: Nash 36

Job ID: 880-22184-1

SDG: 03E1558117

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

Laboratory References:

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

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Sample Summary

 Client: Ensolum
 Job ID: 880-22184-1

 Project/Site: Nash 36
 SDG: 03E1558117

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-22184-1	PH06	Solid	11/18/22 13:55	12/01/22 11:17
880-22184-2	PH06A	Solid	11/18/22 14:00	12/01/22 11:17
880-22184-3	PH06B	Solid	11/18/22 14:10	12/01/22 11:17

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Relinquished by (Signature)

Received by (Signature)

12/122 11:17

Date/Time

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

Revised Date: 08/25/2020 Rev 2020.2

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Phone:

Chain of Custody

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

Work Order No: _

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Project Manager K	Kalei Jennings			Bill to: (if different)	rent)	Gar	Garrett Green	en		Work Order Comments	
Company Name.	Ensolum			Company Name	ıme.	XTC	XTO Energy	Υ		Program. UST/PST PRP Brownfields RRC Superfund	
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City, State ZIP C	Carlsbad, NM 88220			City, State ZIP	ט	Carl	sbad N	Carlsbad NM 88220	0	Reporting Level II Level III PST/UST TRRP Level IV	
Phone: 30	303-887-2946		Email	Garrett Green@ExxonMobil.com	en@E	xxonM	obil.cc	m			
Project Name	Nash 36	6	Turn	Turn Around		_			ANALYSIS RE	EQUEST Preservative Codes	
Project Number	03E1558117	117	✓ Routine	Rush	Pres.	5 9				None NO	
Project Location			Due Date								
Sampler's Name:	Connor Whitman	ıtman	TAT starts the day received by	day received	₹					_	
PO#			the lab if reco	the lab if received by 4 30pm	· · · ·	. ived and				H-SO. H- NaOH Na	
SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice.	Yes No	eter)				Ū	
Samples Received Intact	ct: Yes No	Thermometer ID	ם	7. NM. OC.		00 0				Nation NARIO	
Cooler Custody Seals.	Yes No N/A		tor			A 3				Na.S.O. NaSO.	1 /
Sample Custody Seals.	Yes No N/A	Temperature Reading	Reading	4.0		(EF		**********		Zn Acetate+NaOH Zn	of
Total Containers.		Corrected Temperature	perature.		<u> </u>	DES	15)	021)		NaOH+Ascorbic Acid SAPC	12
Sample Identification	cation Matrix	× Date × Sampled	Time Sampled	Depth Grab/	ib/ # of np Cont	CHLORI	TPH (80	BTEX (8		Sample Comments	Dago 1
PH06	S	11/18/2022	1 55	1 grab/	ab/ 1	×	×	×		Incident ID	
PH06A	s	11/18/2022	2 00	2 grab/	<u>b</u> /	×	×	×		nAPP2224236187	
PH06B	S	11/18/2022	2 10	3 grab/	b/ 1	×	×	×		Cost Center:	
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Total 200.7 / 6010	200.8 / 6020:	8R(8RCRA 13PPM	/ Texas 11	1 Al Sb	Sb As	Ba	Be B (Cd Ca Cr Co Cu Fe Pb	Mg Mn Mo Ni K Se Ag SiO, Na Sr Ti Sn U V Zn	
Circle Method(s) and Metal(s) to be analyzed	Metal(s) to be ana	lyzed	TCLP / SPLP 6010	LP 6010 E	8RCRA	Sb As	As Ba	Ba Be C	Cd Cr Co Cu Pb Mn Mo	Ni Se Ag TI U Hg 1631/2451/7470	
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of Eurofins Xenco. A minimu	ım charge of \$85 00 will b	e applied to each pro	oject and a char	ge of \$5 for eac	h sample	submit	ed to Eu	rofins Xe	co, but not analyzed. These term	of Eurofins Xenco. A minimum charge of \$88 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	
						Service Services	The second second	Contract of the last of the la	And the second of the second o		

Login Sample Receipt Checklist

Client: Ensolum Job Number: 880-22184-1 SDG Number: 03E1558117

Login Number: 22184 List Source: Eurofins Midland

List Number: 1

Creator: Kramer, Jessica

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

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Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Kalei Jennings Ensolum 601 N. Marienfeld St. Suite 400 Midland, Texas 79701

Generated 12/7/2022 4:29:24 PM

JOB DESCRIPTION

Nash 36 SDG NUMBER 03E1558117

JOB NUMBER

880-22185-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

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

Authorization

Generated 12/7/2022 4:29:24 PM

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

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Client: Ensolum Laboratory Job ID: 880-22185-1 Project/Site: Nash 36

SDG: 03E1558117

Table of Contents

Cover Page	1
Table of Contents	3
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QC Sample Results	7
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Sample Summary	12
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Definitions/Glossary

Client: Ensolum Job ID: 880-22185-1 SDG: 03E1558117 Project/Site: Nash 36

Qualifiers

HPLC/IC

Qualifier **Qualifier Description**

U Indicates the analyte was analyzed for but not detected.

Most Probable Number

Not Calculated

Negative / Absent

Positive / Present

Presumptive

Quality Control

Method Quantitation Limit

Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

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

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

MPN

MQL

NC

ND NEG

POS

PQL

QC

RER

RL RPD

TEF

TEQ

TNTC

PRES

Glossary	
Abbreviation	These commonly used abbreviations may or may not be present in this report.
n	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)

Case Narrative

 Client: Ensolum
 Job ID: 880-22185-1

 Project/Site: Nash 36
 SDG: 03E1558117

Job ID: 880-22185-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-22185-1

Receipt

The samples were received on 12/1/2022 11:17 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-40957 and analytical batch 880-41087 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

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Client Sample Results

 Client: Ensolum
 Job ID: 880-22185-1

 Project/Site: Nash 36
 SDG: 03E1558117

Client Sample ID: PH05 Lab Sample ID: 880-22185-1

Date Collected: 11/18/22 13:25

Date Received: 12/01/22 11:17

Matrix: Solid

Method: MCAWW 300.0 - Anions, Ion Chromatography - SolubleAnalyteResultQualifierRLUnitDPreparedAnalyzedDil FacChloride10100251mg/Kg12/07/22 15:3950

Client Sample ID: PH05A Lab Sample ID: 880-22185-2

Date Collected: 11/18/22 13:30 Matrix: Solid

Date Received: 12/01/22 11:17

 Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

 Analyte
 Result
 Qualifier
 RL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 Chloride
 5160
 99.4
 mg/Kg
 12/07/22 15:47
 20

Client Sample ID: PH05B Lab Sample ID: 880-22185-3

Date Collected: 11/18/22 13:35 Matrix: Solid

Date Received: 12/01/22 11:17

Method: MCAWW 300.0 - Anions, Ion Chromatography - SolubleAnalyteResult ChlorideQualifierRL Result Resul

Client Sample ID: PH05C Lab Sample ID: 880-22185-4

Date Collected: 11/18/22 13:40 Matrix: Solid

Date Received: 12/01/22 11:17

Method: MCAWW 300.0 - Anions, Ion Chromatography - SolubleAnalyteResultQualifierRLUnitDPreparedAnalyzedDil FacChloride765099.2mg/Kg12/07/22 16:0320

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QC Sample Results

 Client: Ensolum
 Job ID: 880-22185-1

 Project/Site: Nash 36
 SDG: 03E1558117

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-40957/1-A Client Sample ID: Method Blank

Matrix: Solid
Analysis Batch: 41087

Prep Type: Soluble

 Analyte
 Result Chloride
 Qualifier S.5.00
 RL U
 Unit Unit Mg/Kg
 D Prepared Prepared S.00
 Analyzed Prepared S.00
 Dil Fac S.00

Lab Sample ID: LCS 880-40957/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid Prep Type: Soluble

Analysis Batch: 41087

Spike LCS LCS %Rec Added Result Qualifier Analyte Unit D %Rec Limits Chloride 250 243.8 mg/Kg 98 90 - 110

Lab Sample ID: LCSD 880-40957/3-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 41087

LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit Limits **RPD** Limit Chloride 250 263.6 105 90 - 110 20 mg/Kg

QC Association Summary

 Client: Ensolum
 Job ID: 880-22185-1

 Project/Site: Nash 36
 SDG: 03E1558117

HPLC/IC

Leach Batch: 40957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22185-1	PH05	Soluble	Solid	DI Leach	
880-22185-2	PH05A	Soluble	Solid	DI Leach	
880-22185-3	PH05B	Soluble	Solid	DI Leach	
880-22185-4	PH05C	Soluble	Solid	DI Leach	
MB 880-40957/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-40957/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-40957/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 41087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22185-1	PH05	Soluble	Solid	300.0	40957
880-22185-2	PH05A	Soluble	Solid	300.0	40957
880-22185-3	PH05B	Soluble	Solid	300.0	40957
880-22185-4	PH05C	Soluble	Solid	300.0	40957
MB 880-40957/1-A	Method Blank	Soluble	Solid	300.0	40957
LCS 880-40957/2-A	Lab Control Sample	Soluble	Solid	300.0	40957
LCSD 880-40957/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	40957

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Client: Ensolum Project/Site: Nash 36 Job ID: 880-22185-1

SDG: 03E1558117

Lab Sample ID: 880-22185-1

Matrix: Solid

Client Sample ID: PH05

Date Collected: 11/18/22 13:25 Date Received: 12/01/22 11:17

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Soluble	Leach	DI Leach			40957	SMC	EET MID	12/03/22 13:46
Soluble	Analysis	300.0		50	41087	CH	EET MID	12/07/22 15:39

Client Sample ID: PH05A Lab Sample ID: 880-22185-2

Date Collected: 11/18/22 13:30 **Matrix: Solid**

Date Received: 12/01/22 11:17

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Soluble	Leach	DI Leach			40957	SMC	EET MID	12/03/22 13:46
Soluble	Analysis	300.0		20	41087	CH	EET MID	12/07/22 15:47

Client Sample ID: PH05B Lab Sample ID: 880-22185-3

Date Collected: 11/18/22 13:35 **Matrix: Solid**

Date Received: 12/01/22 11:17

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Soluble	Leach	DI Leach			40957	SMC	EET MID	12/03/22 13:46
Soluble	Analysis	300.0		20	41087	CH	EET MID	12/07/22 15:55

Client Sample ID: PH05C Lab Sample ID: 880-22185-4

Date Collected: 11/18/22 13:40

Date Received: 12/01/22 11:17

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Soluble	Leach	DI Leach		- <u></u>	40957	SMC	EET MID	12/03/22 13:46
Soluble	Analysis	300.0		20	41087	CH	EET MID	12/07/22 16:03

Laboratory References:

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

Matrix: Solid

Accreditation/Certification Summary

 Client: Ensolum
 Job ID: 880-22185-1

 Project/Site: Nash 36
 SDG: 03E1558117

Laboratory: Eurofins Midland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	06-30-23

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Method Summary

Client: Ensolum
Project/Site: Nash 36

Job ID: 880-22185-1 SDG: 03E1558117

BE1558117	

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

Laboratory References:

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

Eurofins Midland

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Sample Summary

 Client: Ensolum
 Job ID: 880-22185-1

 Project/Site: Nash 36
 SDG: 03E1558117

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-22185-1	PH05	Solid	11/18/22 13:25	12/01/22 11:17
880-22185-2	PH05A	Solid	11/18/22 13:30	12/01/22 11:17
880-22185-3	PH05B	Solid	11/18/22 13:35	12/01/22 11:17
880-22185-4	PH05C	Solid	11/18/22 13:40	12/01/22 11:17

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City, State ZIP

Company Name Address

> Kaleı Jennings Ensolum

3122 National Parks Hwy

Carlsbad, NM 88220

City, State ZIP

Carlsbad NM 88220

XTO Energy 3104 E Green St

State of Project

Reporting Level II 🗌 Level III 🔲 PST/UST 📗 TRRP 📗

Level IV

Program UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐

Bill to (if different)
Company Name.

Garrett Green

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

Work Order Comments	www xenco com	Work Order No:
omments	Page of	
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Phone 300	303-887-2946		Email	II Garrett Green@ExxonMobil com	n@Ex	xonMo	bil cor	a	De	Deliverables EDD	ADaPT Other	
Project Name	Nash 36	n 36	Tu	Turn Around	\dashv	1	1		ANALYSIS REQUEST	ST	Preserva	Preservative Codes
Project Number	03E1558117	58117	✓ Routine	Rush	Pres.						None NO	DI Water: H ₂ O
Project Location	:		Due Date								Cool	MaOH Ma
Sampler's Name:	Connor Whitman	Vhitman	TAT starts	TAT starts the day received by	¥						HCL HC	HNO HN
P0#.			the lab if n	the lab if received by 4 30pm							H-S0. H-	NaOH Na
SAMPLE RECEIPT	Temp Blank:	k: Yes No	o Wet Ice	Yes No	eter)					H,PO, HP	3
Samples Received Intact:	t: Yes No	Thermometer ID	eter ID:	T-LOW CO	2	00 0					NaHSO, NABIS	
Cooler Custody Seals.	Yes No	N/A Correction Factor) Factor		_	A 3					Na ₂ S ₂ O ₃ NaSO ₂	
Sample Custody Seals.	Yes No	N/A Temperat	Temperature Reading	بزن		(EP					Zn Acetate+NaOH Zn	7 PC
Total Containers.		Corrected	Corrected Temperature		<u> </u>	DES	15)	021)			NaOH+Ascorbic Acid SAPC	Acid SAPC
Sample Identification		Matrix Date Sampled	Time d Sampled	Depth Grab/	b # of Cont	CHLORI	TPH (80	BTEX (8			Sample C	Sample Comments
PH05		S 11/18/2022	022 1 25	1 grab/	b/ 1	×	×	×			Incident ID	
PH05A		S 11/18/2022	022 1 30	2 grab/	b/ 1	×	×	×			nAPP2224236187	
PH05B		S 11/18/2022	1 35	3 grab/	<u>5</u>	×	×	×			Cost Center	
PH05C		S 11/18/2022	1 40	4 grab/	1	×	×	×			1137	1137151001
					_						AFE	
	Action and the Control of the Contro											
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7.1.000 = 10010			11									
1000 2000 1000	200.07.0020.	٠		I exas		AI OD AS	Da De	α Ca	Ca Cr Co Cu Fe	Pb Mg Mn Mo Ni K Se Ag	SiO ₂ Na Sr Ti Sn U V Zn	∨ Zn
Circle Method(s) and Metal(s) to be analyzed	Metal(s) to be a	nalyzed	TCLP / S	TCLP / SPLP 6010 8	8RCRA Sb As Ba Be	Sb A	s Ba	Be C	Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U	Į	Hg 1631/2451/7470/	17471
Notice Signature of this docur	ment and relinquish	ment of samples c	onstitutes a valid pi	urchase order from	client co	mpany to	o Eurofii	ns Xenco	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 samples controlled the controlled terms and conditions are supported to the controlled terms and conditions of samples controlled terms and conditions.	gns standard terms and conditi	ons	
of Eurofins Xenco. A minimum	n charge of \$85.00 w	ill be applied to ea	and snall not assu ch project and a ch	me any responsibil harge of \$5 for each	n sample	/ losses submitte	or exper	ofins Xe	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	are due to circumstances beyond the control ms will be enforced unless previously negotiat	ntrol yotiated	
Relinquished by (Signature)	ignature)	Rece	Received by (Signature)	ature)		Date	Date/Time		Relinquished by: (Signature)	Received by (Signature)	ure)	Date/Time
TOTAL		6	0		12	21,122 11:17	=	1	2			

Revised Date 08/25/2020 Rev 2020.2

Login Sample Receipt Checklist

Client: Ensolum Job Number: 880-22185-1 SDG Number: 03E1558117

List Source: Eurofins Midland

Login Number: 22185 List Number: 1

Creator: Kramer, Jessica

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

<6mm (1/4").

ANALYTICAL REPORT

PREPARED FOR

Attn: Kalei Jennings Ensolum 601 N. Marienfeld St. Suite 400 Midland, Texas 79701

Generated 12/7/2022 4:29:41 PM

JOB DESCRIPTION

Nash 36 SDG NUMBER 03E1558117

JOB NUMBER

880-22187-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

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

Authorization

Generated 12/7/2022 4:29:41 PM

Authorized for release by Jessica Kramer, Project Manager <u>Jessica.Kramer@et.eurofinsus.com</u> (432)704-5440 10

12

Client: Ensolum
Project/Site: Nash 36
Laboratory Job ID: 880-22187-1
SDG: 03E1558117

Table of Contents

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Chain of Custody	13
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Definitions/Glossary

Client: Ensolum Job ID: 880-22187-1 SDG: 03E1558117 Project/Site: Nash 36

Qualifiers

HPLC/IC

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

Glossary	
Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)

MQL NC

MPN

Not Calculated ND

Not Detected at the reporting limit (or MDL or EDL if shown) NEG Negative / Absent

POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

Most Probable Number

Method Quantitation Limit

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

Eurofins Midland

Case Narrative

 Client: Ensolum
 Job ID: 880-22187-1

 Project/Site: Nash 36
 SDG: 03E1558117

Job ID: 880-22187-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-22187-1

Receipt

The samples were received on 12/1/2022 11:17 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-40957 and 880-40957 and analytical batch 880-41087 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

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Matrix: Solid

Matrix: Solid

Client Sample Results

 Client: Ensolum
 Job ID: 880-22187-1

 Project/Site: Nash 36
 SDG: 03E1558117

liant Comple ID: FC40

Client Sample ID: FS49

Date Collected: 11/18/22 11:05

Matrix: Solid

Date Received: 12/01/22 11:17

Sample Depth: 0.5'

Method: MCAWW 300.0 - Anions, le	on Chromato	graphy - Soli	uble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	426		4.96	mg/Kg			12/07/22 16:11	1

Client Sample ID: FS50 Lab Sample ID: 880-22187-2

Date Collected: 11/18/22 11:10 Date Received: 12/01/22 11:17

Sample Depth: 0.5'

Method: MCAWW 300.0 - Anions, Io	n Chromato	graphy - Soli	uble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1190		25.2	mg/Kg			12/07/22 16:20	5

Client Sample ID: FS51 Lab Sample ID: 880-22187-3

Date Collected: 11/18/22 11:15 Date Received: 12/01/22 11:17

Sample Depth: 0.5'

Method: MCAWW 300.0 - Anions, Id	on Chromato	graphy - So	luble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1210		24.9	mg/Kg			12/07/22 16:28	5

QC Sample Results

 Client: Ensolum
 Job ID: 880-22187-1

 Project/Site: Nash 36
 SDG: 03E1558117

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-40957/1-A Client Sample ID: Method Blank

Matrix: Solid
Analysis Batch: 41087

Prep Type: Soluble

 Analyte
 Result Chloride
 Qualifier S.5.00
 RL U
 Unit Unit Mg/Kg
 D Prepared Prepared S.00
 Analyzed Prepared S.00
 Dil Fac S.00

Lab Sample ID: LCS 880-40957/2-A

Client Sample ID: Lab Control Sample

Metricus Solid

Matrix: Solid
Analysis Batch: 41087

Spike LCS LCS %Rec
Analyte Added Result Qualifier Unit D %Rec Limits

Chloride 250 243.8 mg/Kg 98 90 - 110

Lab Sample ID: LCSD 880-40957/3-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Soluble

Matrix: Solid
Analysis Batch: 41087

Prep Type: Soluble

LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit Limits **RPD** Limit Chloride 250 263.6 105 90 - 110 20 mg/Kg

Eurofins Midland

QC Association Summary

 Client: Ensolum
 Job ID: 880-22187-1

 Project/Site: Nash 36
 SDG: 03E1558117

HPLC/IC

Leach Batch: 40957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22187-1	FS49	Soluble	Solid	DI Leach	
880-22187-2	FS50	Soluble	Solid	DI Leach	
880-22187-3	FS51	Soluble	Solid	DI Leach	
MB 880-40957/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-40957/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-40957/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 41087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22187-1	FS49	Soluble	Solid	300.0	40957
880-22187-2	FS50	Soluble	Solid	300.0	40957
880-22187-3	FS51	Soluble	Solid	300.0	40957
MB 880-40957/1-A	Method Blank	Soluble	Solid	300.0	40957
LCS 880-40957/2-A	Lab Control Sample	Soluble	Solid	300.0	40957
LCSD 880-40957/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	40957

Eurofins Midland

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Client: Ensolum Project/Site: Nash 36 Job ID: 880-22187-1

SDG: 03E1558117

Lab Sample ID: 880-22187-1

Matrix: Solid

Client Sample ID: FS49 Date Collected: 11/18/22 11:05 Date Received: 12/01/22 11:17

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Soluble	Leach	DI Leach			40957	SMC	EET MID	12/03/22 13:46
Soluble	Analysis	300.0		1	41087	CH	EET MID	12/07/22 16:11

Client Sample ID: FS50 Lab Sample ID: 880-22187-2

Date Collected: 11/18/22 11:10 **Matrix: Solid** Date Received: 12/01/22 11:17

Batch Batch Dilution Batch Prepared Method **Prep Type** Туре Run Factor Number Analyst Lab or Analyzed Soluble DI Leach 40957 SMC EET MID 12/03/22 13:46 Leach 300.0 41087 CH 12/07/22 16:20 Soluble Analysis 5 **EET MID**

Client Sample ID: FS51 Lab Sample ID: 880-22187-3

Date Collected: 11/18/22 11:15 **Matrix: Solid**

Date Received: 12/01/22 11:17

Batch Batch Dilution Batch Prepared **Prep Type** Type Method Factor Number or Analyzed Run Analyst Lab Soluble Leach DI Leach 40957 SMC **EET MID** 12/03/22 13:46 EET MID 12/07/22 16:28 Soluble Analysis 300.0 41087 CH 5

Laboratory References:

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

Accreditation/Certification Summary

 Client: Ensolum
 Job ID: 880-22187-1

 Project/Site: Nash 36
 SDG: 03E1558117

Laboratory: Eurofins Midland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	06-30-23

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Method Summary

Client: Ensolum Project/Site: Nash 36 Job ID: 880-22187-1 SDG: 03E1558117

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

Laboratory References:

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

Eurofins Midland

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Sample Summary

Client: Ensolum Project/Site: Nash 36 Job ID: 880-22187-1

SDG: 03E1558117

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Dept
880-22187-1	FS49	Solid	11/18/22 11:05	12/01/22 11:17	0.5'
880-22187-2	FS50	Solid	11/18/22 11:10	12/01/22 11:17	0.5'
880-22187-3	FS51	Solid	11/18/22 11:15	12/01/22 11:17	0.5'

Circle Method(s) and Metal(s)

Total 200.7 / 6010

lotice Signature of this document and n

Relinquished by (Signature)

Received by (Signature)

12/1/22

11:17

Date/Time

Relinquished by (Signature)

Received by (Signature)

Date/Time

Revised Date: 08/25/2020 Rev 2020.2

of service Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of 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.

? Curofins ed Me en ene fee 70

Phone

City, State ZIP

Carlsbad NM 88220 3122 National Parks Hwy

City, State ZIP

Carlsbad NM 88220 3104 E Green St XTO Energy Garrett Green

Reporting Level II Level III PST/UST TRRP

Level IV

Program UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐

Work Order Comments

www.xenco.com

Page

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State of Project

Company Name Bill to (if different)

Address.

Project Manager

Company Name.

Ensolum Kaleı Jennings

ddress

Chain of Custody

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

303-887-2946			Email	Garrett Green@ExxonMobil com	reen(D)EXX	doMrí	iii com			Deliverables EDD	ADaPT Other	
7	Nash 36		Turn	Turn Around						ANALYSIS REQUEST	EQUEST	Preservative Codes	
031	03E1558117	,	Routine	Rush		Pres.						None NO DI Water: H ₂ O	
			Due Date									_	
Conr	Connor Whitman		TAT starts the day received by	day receiv	ed by	نوند باحدد							
			the lab if received by 4 30pm	eived by 4 3	Opm 	\$							
PT Temp Blank	Slank.	Yes No	Wet Ice.	Yes	ē	eter)					•	
tact: Yes	No T	Thermometer ID	0	- N	کا	ran	00 0					NaHSO ₄ NABIS	
s. Yes No	N/A	Correction Factor	<u>و</u>			Pa	A 3					Na ₂ S ₂ O ₃ NaSO ₃	11
ls. Yes No	N/A	Temperature Reading	leading	i i			(EP					Zn Acetate+NaOH Zn	٥f
	0	Corrected Temperature	perature				DES	15)	021)			NaOH+Ascorbic Acid SAPC	10
tification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	CHLOR	TPH (80	BTEX (8			Sample Comments	Dogo
9	s	11/18/2022	11 05	Ωī	comp		×	×	×			Incident ID	
0	S	11/18/2022	11 10	2	comp	_	×	×	×			nAPP2224236187	
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							Ц		Ш				
10 200.8 / 6020:	020:	8R(8RCRA 13PP	13PPM Texas 11 Al Sb As Ba Be B	s 11	Al Sb	As E	за Ве	ВС	Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K		Se Ag SiO ₂ Na Sr Ti Sn U V Zn	
nd Metal(s) to be analyzed	e analyz	ed	TCLP / SPLP 6010	1P 6010	8RCRA		Sb As	Ba	Be Cd	Cr Co Cu Pb Mn Mo Ni Se	Ag TI U	Hg 1631/2451/7470/7471	
document and reline	uishment of	samples constitu	utes a valid pur	chase order	from cli	ent com	pany to	Eurofin	Xenco	its affiliates and subcontractors	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	litions	
document and reline	uishment of	samples constitu	utes a valid pun	chase order	from cli	ent com	pany to	Eurofin	s Xenco	its affiliates and subcontractors	s. It assions standard terms and cond	litions	

Sample Custody Seals.

Total Containers

Sample Identification

FS50 FS49

FS51

Cooler Custody Seals.

Samples Received Intact: SAMPLE RECEIPT Sampler's Name.

Project Location

Project Number

Project Name.

Work Order No:

Login Sample Receipt Checklist

Client: Ensolum Job Number: 880-22187-1 SDG Number: 03E1558117

List Source: Eurofins Midland

Login Number: 22187 List Number: 1

Creator: Kramer, Jessica

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

Released to Imaging: 1/31/2024 1:23:41 PM Page 14 of 14 12/7/2022

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APPENDIX C

NMOCD Correspondance

From: Hamlet, Robert, EMNRD

To: Collins, Melanie

Cc: DelawareSpills /SM; Green, Garrett J; Kalei Jennings; Tacoma Morrissey; Bratcher, Michael, EMNRD; Nobui,

Jennifer, EMNRD; Harimon, Jocelyn, EMNRD

Subject: (Extension Approval) - XTO - Nash Unit 36 (Incident Number NAPP2224236187)

Date: Monday, November 14, 2022 4:48:57 PM

Attachments: <u>image003.png</u>

[**EXTERNAL EMAIL**]

RE: Incident #NAPP2224236187

Melanie,

Your request for an extension to **February 13th, 2023** is approved. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave.| Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us

http://www.emnrd.state.nm.us/OCD/



From: Collins, Melanie <melanie.collins@exxonmobil.com>

Sent: Monday, November 14, 2022 9:50 AM

To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>

Cc: DelawareSpills /SM <DelawareSpills@exxonmobil.com>; Green, Garrett J

<garrett.green@exxonmobil.com>; Kalei Jennings <kjennings@ensolum.com>; Tacoma Morrissey
<tmorrissey@ensolum.com>

Subject: [EXTERNAL] XTO- Extension Request- Nash Unit 36 (Incident Number NAPP2224236187)

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

All,

Nash Unit 36 (Incident Number NAPP2224236187)

XTO is requesting an extension for the current deadline of November 15, 2022 for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the Nash Unit 36

(Incident Number NAPP2224236187). The release occurred on August 17, 2022, and initial site assessment activities have been completed. Excavation activities were completed last week and are pending laboratory analytical results. Due to the salt lake located adjacent to and surrounding the Site, additional background information is needed to complete remediation activities. In order to review the laboratory analytical results, discuss remedial options, and submit a remediation work plan or closure report, XTO requests an extension until February 13, 2023.

Thank you,

Melanie Collins

TO

Environmental Technician melanie.collins@exxonmobil.com 432-556-3756

From: <u>Collins, Melanie</u>

To: ocd.enviro@state.nm.us; Hamlet, Robert, EMNRD (Robert.Hamlet@emnrd.nm.gov); Harimon, Jocelyn, EMNRD

(Jocelyn.Harimon@emnrd.nm.gov)

Cc: <u>Green, Garrett J</u>; <u>DelawareSpills /SM</u>; <u>Ben Belill</u>

Subject: XTO - Sampling Notification (Week of 8/14/23 - 8/18/23)

Date: Thursday, August 10, 2023 9:28:49 AM

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

[**EXTERNAL EMAIL**]

All,

XTO plans to complete final sampling activities at the sites listed below for the week of August 14, 2023.

Monday

- PLU BS 3-25-31 / nAB1731042349
- Nash 36 / nAPP2224236187

Tuesday

• Nash 36 / nAPP2224236187

Thank you,

Melanie Collins



Environmental Technician

melanie.collins@exxonmobil.com

432-556-3756

From: <u>Green, Garrett J</u>

To: ocd.enviro@emnrd.nm.gov; Bratcher, Michael, EMNRD; Hamlet, Robert, EMNRD; Billings, Bradford, EMNRD;

Harimon, Jocelyn, EMNRD

Cc: <u>DelawareSpills /SM; Tacoma Morrissey</u>

Subject: XTO - Sampling Notification (Week of 11/7/22 - 11/11/22)

Date: Friday, November 4, 2022 11:41:02 AM

[**EXTERNAL EMAIL**]

All,

XTO plans to complete final sampling activities at the following sites the week of Nov 7, 2022.

Monday

- Nash Unit 36/ nAPP2224236187
- ADU 624 & 641 / NAPP2123634554 & NAPP2215449179
- Poker Lake Unit 409/ nAPP2223751933

Tuesday

- Nash Unit 36/ nAPP2224236187
- ADU 624 & 641 / NAPP2123634554 & NAPP2215449179
- Poker Lake Unit 409/ nAPP2223751933

Wednesday

- ADU 624 & 641 / NAPP2123634554 & NAPP2215449179
- Poker Lake Unit 409/ nAPP2223751933

Thursday

- BEU DI 30 Battery/ NAPP2200746777
- Poker Lake Unit 409/ nAPP2223751933

Friday

- BEU DI 30 Battery/ NAPP2200746777

Thank you!

Garrett Green

Environmental Coordinator Delaware Business Unit (575) 200-0729

Garrett.Green@ExxonMobil.com

XTO Energy, Inc.

3104 E. Greene Street | Carlsbad, NM 88220 | M: (575)200-0729

From: <u>Collins, Melanie</u>

To: ocd.enviro (ocd.enviro@emnrd.nm.gov); Hamlet, Robert, EMNRD (Robert.Hamlet@emnrd.nm.gov); Bratcher,

Michael, EMNRD (mike.bratcher@emnrd.nm.gov); Harimon, Jocelyn, EMNRD (Jocelyn.Harimon@emnrd.nm.gov)

 Cc:
 Green, Garrett J; DelawareSpills /SM; Tacoma Morrissey

 Subject:
 XTO - Sampling Notification (Week of 3/13/23 - 3/17/23)

Date: Friday, March 10, 2023 9:39:39 AM

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

[**EXTERNAL EMAIL**]

All,

XTO plans to complete final sampling activities at the additional site the week of Mar 13, 2023.

• BEU 149/ NAB1814128371

• Nash Unit 36 / nAPP2224236187

Thank you,

Melanie Collins



Environmental Technician

melanie.collins@exxonmobil.com

432-556-3756

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

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

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

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

CONDITIONS

Action 264163

CONDITIONS

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	264163
Γ.	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created B	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2224236187 NASH UNIT 36, thank you. This Remediation Closure Report is approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation including pictures of the contoured backfilled excavation surface and a thorough discussion on reseeding mixture, vegetation ratio, timelines, etc, will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	1/31/2024