

October 5, 2022

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

Re: Closure Request

Raspberry State Com 001H

Incident Number NAPP2213029810

Lea County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of COG Operating, LLC (COG), has prepared this letter to document site assessment and soil sampling activities performed at the Raspberry State Com 001H (Site; Figure 1). The purpose of the site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following a release on privately owned land. The release was caused by a tank overflowing. Based on assessment activities, excavation activities, and laboratory analytical results from the soil sampling events, COG is reqesting closure for Incident Number NAPP2213029810.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit P, Section 27, Township 21 South, Range 33 East, in Lea County, New Mexico (32.4435° N, 103.55197° W) and is associated with oil and gas exploration and production operations on privately owned surface managed by the Merchant Livestock Company.

On April 30, 2022, a tank overflowed causing the release of approximately 67 barrels (bbls) of crude oil into the containment. A vacuum truck was dispatched to the location to remove free-standing fluids and successfully recovered 60 bbls of fluids. COG reported the release immediately via email to the New Mexico Oil Conservation Division (NMOCD) on May 1, 2022 and submitted a Release Notification Form C-141 (Form C-141) on May 12, 2022. The release was assigned Incident Number NAPP2213029810.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) permitted well

CP 0411 POD1, located approximately 638 southwest of the Site. The groundwater well has a reported depth to groundwater of 800 feet bgs and total depth of 1,149. Ground surface elevation at the groundwater well location is 3,706 feet above mean sea level (amsl), which is approximately 7-feet lower in elevation than the Site. All wells used for depth to groundwater determination are presented on Figure 1. The referenced well record are included in Appendix B.

The closest continuously flowing or significant watercourse to the Site is an intermittent stream, located approximately 5,589 feet southwest of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, and wetland. The Site is within 1,000 feet of a freshwater well, but is not near a spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

Based on the nearby water well, the following NMOCD *Table 1* Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total Petroleum Hydrocarbons (TPH): 100 mg/kg
- Chloride: 600 mg/kg

A reclamation requirement of 600 mg/kg chloride and 100 mg/kg TPH was applied to the top 4 feet of the pasture area that was impacted by the release, per NMAC 19.15.29.13.D (1) for the top 4 feet of areas that will be reclaimed following remediation.

INITIAL SITE ASSESSMENT ACTIVITIES

On June 1, 2022, site assessment activities and a liner intergrity inspection were conducted to evaluate the release based on information provided on the Form C-141 and visual observations. Ensolum personnel with experience and training in liner construction and use found the liner was intact. However, the containment overflowed in a few places and a small volume of fluid was released from the lined area on the north and east sides of the containment. Seven preliminary assessment soil samples (SS01 through SS07) were collected within the release area and surrounding the containment at a depth of 0.5 feet bgs, to assess for the presence or absence of impacted soil resulting from the release and to laterally delineate the release.

The soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. The soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation was conducted during the Site visit. A photographic log is included in Appendix C.

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



Delineation Soil Sampling

On July 13, 2022, Ensolum personnel returned to the Site to collect additional delineation samples. Vertical delineation samples were collected verify the total depth of impact within the release extent at SS02 and SS03. Soil samples SS02A, SS02B, SS03A, and SS03B were collected with a hand auger between 2 and 3 feet bgs. Samples were handled and analyzed using the same methods described above.

Only July 25, 2022, and August 9, 2022, Ensolum personnel collected additional delineation samples outside the release area to verify the extent of the release laterally and vertically. Soil samples SS07A, SS08, SS08A, SS09, SS09A, SS10, SS10A, and SS11 were collected from depths ranging from 0.5 feet bgs to 2 feet bgs. Delineation soil samples were handled in the same manner described above. Delineation soil samples are depicted on Figure 2.

Analytical Results

Laboratory analytical results for preliminary assessment soil samples SS01, SS02, and SS03 indicated at least one constituent of concern was not compliant with the Site Closure Criteria. Laboratory analytical results for soil samples SS04 through SS07 indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Site Closure Criteria and compliant with the reclamation standards. In addition, lateral delineation samples SS07A through SS11 were compliant with Site Closure Criteria/reclamation standards. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical report is included as Appendix D.

EXCAVATION ACTIVITIES

Between June 14, 2022, and July 25, 2022, Ensolum oversaw excavation activities and impacted soil was excavated from the spot-areas outside containment as indicated by visible staining and laboratory analytical results from preliminary sampling. Excavation activities were performed via hand shoveling and back-hoe. To direct excavation activities, soil was field screened for VOCs utilizing a calibrated PID and chloride using Hach® chloride QuanTab® test strips. Photographic documentation is included in Appendix C.

Following removal of impacted soil, 5-point composite soil samples were collected every 200 square feet from the floor of the excavation areas. Due to the shallow depth of the excavations, soil from the sidewalls was incorporated into the floor samples. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples were collected from the floor of each excavation from depths ranging between 0.5 feet bgs to 2 feet bgs. The excavation soil samples were handled and analyzed as previously described. The excavation extents and excavation soil samples locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 3.

In total, six (6) small areas were excavated to address soil that was impacted in specific areas where fluids leaked from the containment. The total footprint of the six excavations was approximately 175 square feet. A total of approximately 12 cubic yards of impacted soil were removed during the excavation activities. The impacted soil was transported and properly disposed of at the R360 Disposal Facility in Hobbs, New Mexico. After completion of confirmation sampling, the excavation was secured with fencing where applicable or backfilled.

Analytical Results

Laboratory analytical results for excavation floor samples collected at the terminal depth of each excavation, indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride



concentrations were compliant with the Site Closure Criteria, which are the most stringent and equivalent to the reclamation standards. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included as Appendix D.

CLOSURE REQUEST

Site assessment activities were conducted at the Site to inspect the containment liner integrity and assess for the presence or absence of impacted soil resulting from the April 30, 2022, crude oil release. Initial site inspections revealed that the liner within the containment was intact, but fluids escaped the containment, impacting small areas of impacted soil immediately north and east of the containment. Ensolum excavated soil from those spot-areas and excavation confirmation samples indicated benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Site Closure Criteria and reclamation standards. Additionally, delineation samples were collected around the containment. Concentrations of contaminants of concern in soil samples collected on the well pad and in the pasture were compliant with the Site Closure Criteria and reclamation standards.

The lined containment prevented most of the release from impacting soil at the Site. Excavation activities successfully remediated the small hydrocarbon impacts that occurred outside containment. COG believes these remedial actions have been protective of human health, the environment, and groundwater. As such, COG respectfully requests closure for Incident Number NAPP2213029810. The Final C-141 is included in Appendix A and required notifications are included as Appendix E.

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

ashley L. ager

Ashley Ager, PG

Program Director

Sincerely,

Ensolum, LLC

Kalei Jennings

alui Jennings

Senior Scientist

Charles Beauvais, COG Operating, LLC

Attachments:

CC:

Figure 1 Site Receptor Map

Figure 2 Preliminary and Delineation Soil Sample Locations

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

Appendix A Final C-141

Appendix B Referenced Well Records

Appendix C Photographic Log

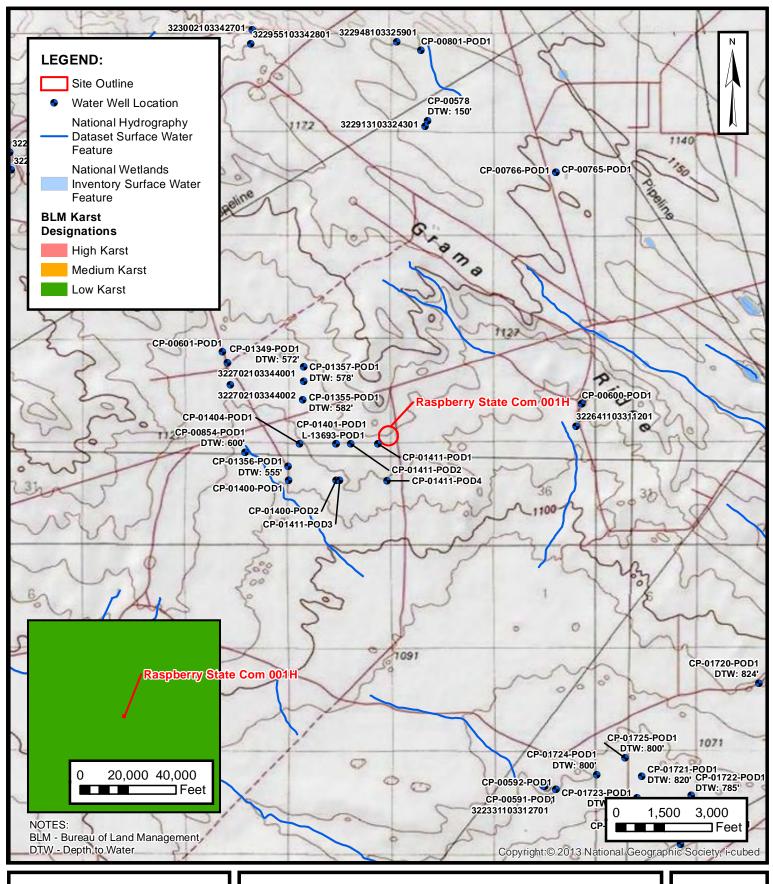
Appendix D Laboratory Analytical Reports

Appendix E NMOCD Notifications





FIGURES



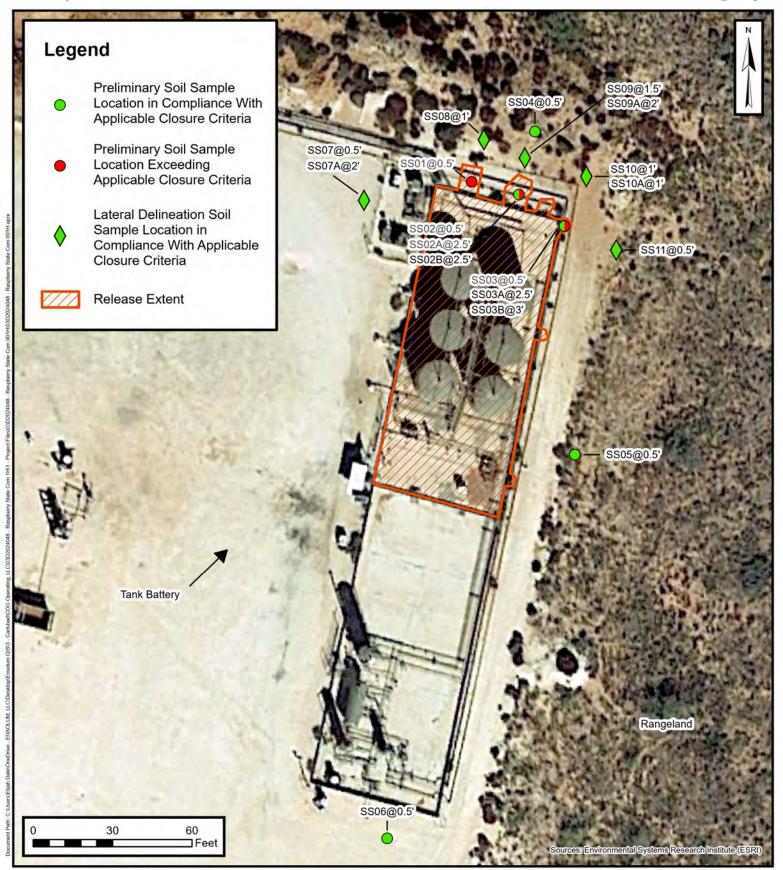


SITE RECEPTOR MAP

COG OPERATING, LLC RASPBERRY STATE COM 001H NAPP2213029810

NAPP2213029810 Unit P, Sec 27 T21S R33E Lea County, New Mexico FIGURE 1

Released to Imaging: 10/26/2022 2:48:49 PM





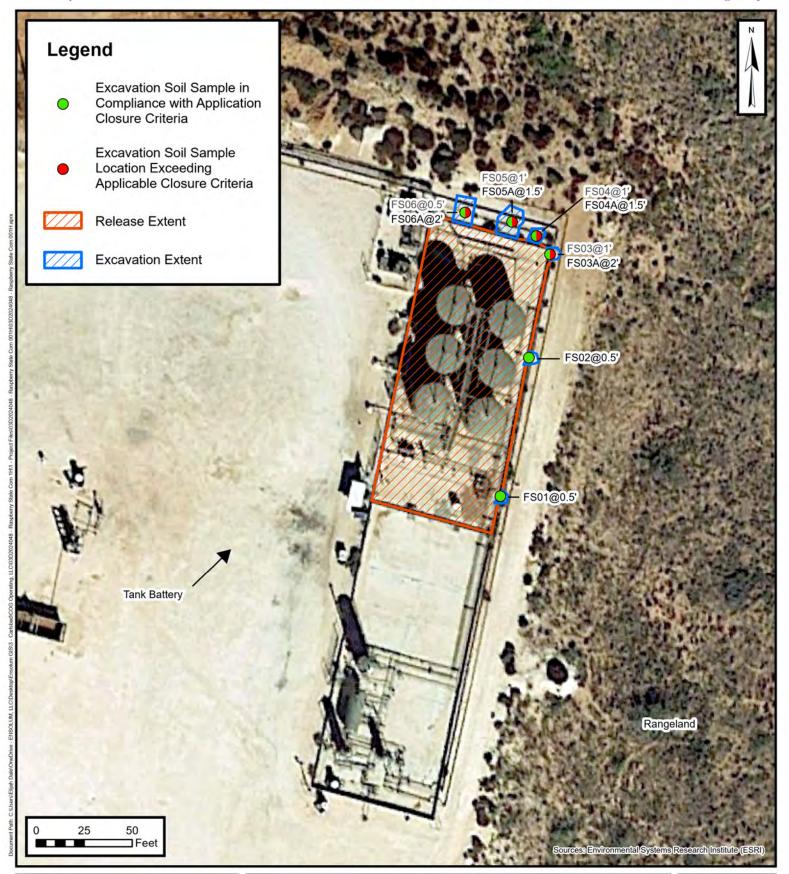
Preliminary and Delineation Soil Sample Locations

Raspberry State Com 001H COG Operating, LLC Unit P, Sec 27 T21S R33E Lea County, NM

Project Number: 03D2024048

FIGURE

2





Excavation Soil Sample Locations

Raspberry State Com 001H COG Operating, LLC Unit P, Sec 27 T21S R33E Lea County, NM

Project Number: 03D2024048

FIGURE

3



TABLE



SOIL SAMPLE ANALYTICAL RESULTS Raspberry State Com 001H **COG Operating, LLC** Lea County, New Mexico **TPH GRO TPH DRO TPH ORO GRO+DRO Total TPH** Sample Sample Depth Benzene **Total BTEX** Chloride Sample I.D. Date (feet bqs) (mg/kg) (mg/kg) (mg/kg) (mg/kg) (mg/kg) (mg/kg) (mg/kg) (mg/kg) NMOCD Table 1 Closure Criteria (NMAC 19.15.29) 10 50 NE NE NE NE 100 600 **Preliminary Assessment Soil Samples** SS01 06/01/2023 0.5 < 0.199 38.7 23.471 23.500 9.880 SS02 06/01/2022 0.006 22.6 309 23,000 <250 23,309 23,300 1,270 SS02A 2 < 0.00200 < 0.00401 < 50.0 < 50.0 < 50.0 < 50.0 < 50.0 30.5 7/13/2022 SS02B 7/13/2022 2.5 < 0.00199 < 0.00398 <49.8 <49.8 <49.8 <49.8 <49.8 68.7 23,600 6,350 06/01/2022 0.5 0.006 1.06 23,600 <250 SS03A 7/13/2022 2.5 < 0.00199 < 0.00398 <50.0 <50.0 < 50.0 < 50.0 < 50.0 176 SS03B 7/13/2022 3 < 0.00200 < 0.00400 < 50.0 < 50.0 < 50.0 <50.0 68.0 41.5 SS04 06/01/2022 0.5 < 0.002 0.146 <50.0 <50.0 <50.0 <50.0 <50.0 44.8 <49.9 SS05 06/01/2022 0.5 < 0.002 0.088 <49.9 <49.9 <49.9 <49.9 28.1 SS06 06/01/2022 0.5 < 0.002 0.145 <49.9 <49.9 <49.9 <49.9 <49.9 225 SS07 06/01/2022 0.5 < 0.002 0.161 <50.0 <50.0 <50.0 <50.0 <50.0 54.4 **Excavation Soil Samples** FS01 06/14/2022 0.5 < 0.002 < 0.004 <50.0 <50.0 <50.0 400 < 50.0 < 50.0 FS02 0.5 < 0.002 < 0.004 <49.9 <49.9 <49.9 <49.9 <49.9 196 06/14/2022 FS03 06/14/2022 < 0.002 < 0.004 <50.0 <50.0 < 50.0 < 50.0 < 50.0 2.630 FS03A 7/13/2022 2 < 0.00199 < 0.00398 <50.0 <50.0 <50.0 <50.0 < 50.0 57.7 FS04 < 0.002 < 0.004 <49.9 <49.9 <49.9 <49.9 06/14/2022 <49.9 1,130

TABLE 1

Ensolum 1 of 2

<49.9

< 50.0

<50.0

<49.9

<50.0

<49.9

< 50.0

<50.0

221

<50.0

<49.9

< 50.0

<50.0

117

<50.0

<49.9

< 50.0

<50.0

221

<50.0

<49.9

< 50.0

<50.0

338

<50.0

130

639

112

62.6

7/13/2022

06/14/2022

7/13/2022

06/14/2022

7/13/2022

2

1.5

2

< 0.00200

< 0.002

< 0.00200

< 0.002

< 0.00201

< 0.00401

< 0.004

< 0.00399

< 0.004

< 0.00402

FS04A

FS05

FS05A

FS06

FS06A



<49.8

<49.9

<49.9

13.8

14.6

80.8

SOIL SAMPLE ANALYTICAL RESULTS Raspberry State Com 001H **COG Operating, LLC** Lea County, New Mexico Sample Depth **Total BTEX TPH GRO TPH DRO TPH ORO GRO+DRO Total TPH** Sample Benzene Chloride Sample I.D. Date (feet bqs) (mg/kg) (mg/kg) (mg/kg) (mg/kg) (mg/kg) (mg/kg) (mg/kg) (mg/kg) NMOCD Table 1 Closure Criteria (NMAC 19.15.29) 10 50 NE NE NE NE 100 600 **Lateral Delineation Soil Samples** SS07A 7/25/2022 2 < 0.00201 < 0.00402 <49.9 <49.9 <49.9 <49.9 <49.9 28.2 SS08 < 0.00398 <49.9 <49.9 1 < 0.00199 <49.9 <49.9 <49.9 24.3 7/25/2022 SS08A 7/25/2022 2 < 0.00201 < 0.00402 <50.0 <50.0 < 50.0 < 50.0 < 50.0 23.0 SS09 7/25/2022 1.5 < 0.00200 < 0.00401 <49.8 <49.8 <49.8 <49.8 <49.8 10.2 SS09A 7/25/2022 2 < 0.00199 < 0.00398 <50.0 < 50.0 < 50.0 <50.0 < 50.0 19.3

TABLE 1

Notes:

bgs: below ground surface mg/kg: milligrams per kilogram

SS10

SS10A

SS11

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

7/25/2022

7/25/2022

8/9/2022

1

1

0.5

< 0.00198

< 0.00201

< 0.00199

DRO: Diesel Range Organics

GRO: Gasoline Range Organics

NMOCD: New Mexico Oil Conservation Division

Concentrations in **bold** exceed the NMOCD Table 1 Closure Criteria or reclamation

standard where applicable.

ORO: Oil Range Organics

< 0.00397

< 0.00402

< 0.00398

TPH: Total Petroleum Hydrocarbon

* indicates sample was collected in area to be reclaimed after remediation is complete; reclamation standard for chloride in the top 4 feet is 600 mg/kg

<49.8

<49.9

<49.9

<49.8

<49.9

<49.9

<49.8

<49.9

<49.9

Grey text represents samples that have been excavated

<49.8

<49.9

<49.9

Ensolum 2 of 2



APPENDIX A

Final C141

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	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party OGRID		OGRID				
Contact Name Co			Contact To	ntact Telephone		
Contact ema	Contact email			Incident #	(assigned by OCD	9)
Contact mail	ing address			1		
			Location	of Release So	ource	
Latitude				Longitude		
			(NAD 83 in de	cimal degrees to 5 decir	nal places)	
Site Name				Site Type		
Date Release	Discovered			API# (if app	plicable)	
Unit Letter	Section	Township	Range	Cour	nty	7
Crude Oi		l(s) Released (Select al Volume Release	ll that apply and attach	d Volume of l		e volumes provided below) overed (bbls)
Produced	Water	Volume Release	ed (bbls)		Volume Reco	overed (bbls)
		Is the concentrate produced water	tion of dissolved c >10,000 mg/l?	chloride in the	Yes N	No
Condensa	nte	Volume Release			Volume Reco	overed (bbls)
Natural G	ias	Volume Release	ed (Mcf)		Volume Reco	overed (Mcf)
Other (de	scribe)	Volume/Weight	Released (provide	e units)	Volume/Wei	ght Recovered (provide units)
Cause of Rel	ease					

Received by OCD: 10/10/2022/9254:02/4M Form C-14-1 State of New Mexico Page 2 Oil Conservation Division

P	ag	Вà	14	0	f á	124	

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by	If YES, for what reason(s) does the respon	sible party consider this a major release?
19.15.29.7(A) NMAC?		
☐ Yes ☐ No		
If VES, was immediate no	otice given to the OCD? By whom? To wh	om? When and by what means (phone, email, etc)?
II 1E3, was illillediate lie	once given to the OCD: By whom: To wi	oni: when and by what means (phone, eman, etc):
	Initial Ro	esponse
The responsible p	party must undertake the following actions immediatel	y unless they could create a safety hazard that would result in injury
☐ The source of the rele	ease has been stopped.	
☐ The impacted area has	s been secured to protect human health and	the environment.
☐ Released materials ha	ive been contained via the use of berms or c	ikes, absorbent pads, or other containment devices.
	ecoverable materials have been removed and	
If all the actions described	d above have <u>not</u> been undertaken, explain	why:
D 1017.00 0 D (1) 201		
has begun, please attach a	a narrative of actions to date. If remedial	emediation immediately after discovery of a release. If remediation efforts have been successfully completed or if the release occurred lease attach all information needed for closure evaluation.
regulations all operators are public health or the environm failed to adequately investigations.	required to report and/or file certain release noti ment. The acceptance of a C-141 report by the C ate and remediate contamination that pose a thre	best of my knowledge and understand that pursuant to OCD rules and fications and perform corrective actions for releases which may endanger ICD does not relieve the operator of liability should their operations have at to groundwater, surface water, human health or the environment. In responsibility for compliance with any other federal, state, or local laws
Printed Name		Title:
Signature: _	tan Saparinger	Date:
email:		Telephone:
OCD Only		
Received by: <u>Jocelyn I</u>	Harimon	Date: 05/12/2022

P 1 11 0CD		(100/134		L48 Spill Volume	Estimate Form NAPP221	3029810 _{f 224}
Received by OCD: 1	10/10/2022/9294	1:02 AM. Facility Name & Number:	Rasberry state co	m th	IVALLEZ	30g3930j224
		Asset Area:				
	Rele	ease Discovery Date & Time:	30-Apr			
		Release Type:	Oil			
	Provide any know	own details about the event:	TANK OVER FLOV	V		
				Spill Calculation - Subst	urface Spill - Rectangle	
	Was the	e release on pad or off-pad?			See reference table	e below
Has it i	rained at least a h	alf inch in the last 24 hours?			See reference table	e below
Convert irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Depth (in.)	Soil Spilled-Fluid Saturation	Estimated volume of each area (bbl.)	Total Estimated Volume of Spill (bbl.)
Rectangle A	70.0	40.0	0.30	8.00%	12.460	0.997
Rectangle B					0.000	0.000
Rectangle C					0.000	0.000
Rectangle D					0.000	0.000
Rectangle E					0.000	0.000
Rectangle F					0.000	0.000
Rectangle G					0.000	0.000
Rectangle H					0.000	0.000
Rectangle I				i a a a a a a a a a a a a a a a a a a a	0.000	0.000
Pectangle I	10//05/0000	10 / 40 / D.T. 6			0.000	0.000
 Released to Imaging 	g: 10/26/2022/2	248:49 PM -		*	Total Volume Release:	0.997

L48 Spill Volume Estimate Form NAPP2213029810 224 Received by OCD: 10/10/2022 9:54:02 AM ber: Rasberry state com 1h Asset Area: DBE Release Discovery Date & Time: 4/30/2022 Release Type: Oil Provide any known details about the event: TANK OVER FLOW Spill Calculation - On Pad Surface Pool Spill Deepest point in Estimated No. of boundaries Estimated Pool Estimated volume Convert Irregular shape Penetration Total Estimated Length Width each of the Average into a series of of "shore" in each Area of each pool area allowance Volume of Spill (ft.) (ft.) Depth. areas rectangles (sq. ft.) (ft.) (bbl.) (bbl.) area (in.) (ft.) Rectangle A 100.0 45.0 3.94 4500.000 0.082 65.749 0.004 66.019

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000 0.000 #DIV/0!

Total Volume Release:

#DIV/0!

#DIV/0!

#DIV/0!

#DIV/0!

#DIV/0!

#DIV/0!

#DIV/0!

#DIV/0!

#DIV/0!

66.019

Released to Imaging: 10/26/2022 2:48:49 PM

Rectangle B

Rectangle C

Rectangle D

Rectangle E

Rectangle F

Rectangle G

Rectangle H

Rectangle I

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 106240

CONDITIONS

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	106240
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimo	None	5/12/2022

	Page 18 of 22	24
Incident ID	NAPP2213029810	
District RP		
Facility ID		
Application ID		

Site Assessment/Characterization

This information must be provided to the appropriate district office no taler than 20 days after the release discovery date.				
What is the shallowest depth to groundwater beneath the area affected by the release?	<u>>100 feet</u> 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 X 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?	X 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 X No			
ttach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil ontamination 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
Boring or excavation logs
Photographs including date and GIS information
☐ Topographic/Aerial maps
Laboratory data including chain of custody

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

Received by OCD: 10/10/2022 9:54:02 AM Form C-141 State of New Mexico Page 4 Oil Conservation Division

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Incident ID	NAPP2213029810	
District RP		
Facility ID		

Application ID

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: Charles Beauvais Title: Senior Environmental Engineer Date: 10/06/2022 Signature: Charles R. Beauvais 99 Telephone: 575-988-2043 email: Charles.R.Beauvais@conocophillips.com **OCD Only** Jocelyn Harimon 10/10/2022 Received by: Date:

Matate of New Mexico

Incident ID	NAPP2213029810
District RP	
Facility ID	
Application ID	

Closure

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

Closure Report Attachment Checklist: Each of the following items must be included in the closure report.
□ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
Note: Appropriate OCD District office must be notified 2 days prior to liner inspection) Note: Appropriate OCD District office must be notified 2 days prior to liner inspection)
☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
□ Description of remediation activities
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.
Printed Name:Charles Beauvais Senior Environmental Engineer Title:
Signature:
email: Charles.R.Beauvais@conocophillips.com Telephone:575-988-2043
OCD Only
Received by: Date: Date:
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.
Closure Approved by: Date: 10/26/2022
Printed Name:



APPENDIX B

Referenced Well Record



New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag **POD Number** Q64 Q16 Q4 Sec Tws Rng

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CP 01411 POD1 34 21S 33E 635968 3590386

Driller License: 1723 **Driller Company:**

SBQ2, LLC DBA STEWART BROTHERS DRILLING

CO.

Driller Name: Drill Start Date:

10/09/2014

Drill Finish Date:

10/14/2014

1149 feet

Plug Date:

Artesian 50 GPM

Log File Date:

12/26/2014

PCW Rcv Date:

Depth Well:

Source:

Pump Type: Casing Size:

Pipe Discharge Size:

Estimated Yield:

Depth Water:

Water Bearing Stratifications:

9.88

Top Bottom Description

Sandstone/Gravel/Conglomerate

800 820

Sandstone/Gravel/Conglomerate

Casing Perforations:

Top Bottom

780 1149

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

5/31/22 8:55 AM

POINT OF DIVERSION SUMMARY



APPENDIX C

Photographic Log



Photographic Log COG Operating, LLC Raspberry State Com 001H NAPP2213029810





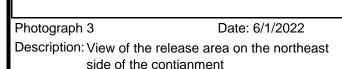
Photograph 1 Date: 6/1/2022

Description: View of the release areas on the north side of the containment

Photograph 2 Date: 7/27/2022

Description: View of the release area near the northeast corner of the containment







Photograph 4 Date: 6/1/2022
Description: View of the intact liner within the containment area



Photographic Log
COG Operating, LLC
Raspberry State Com 001H
NAPP2213029810





Photograph 5 Date: 6/1/2022

Description: View of the intact liner within the containment area

Photograph 6 Date: 6/14/2022

Description: View of one of the remediation excavations on the north side of the containment





Photograph 7 Date: 6/14/2022

Description: View of the remediation excavations on the northeast side of the containment

Photograph 8 Date: 6/14/2022

Description: View of the remediation excavations on the northeast side of the containment



APPENDIX D

Laboratory Analytical Report



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-2398-1

Laboratory Sample Delivery Group: 03D2024048

Client Project/Site: Raspberry State 1H

For:

Ensolum 705 W. Wadley Suite 210 Midland, Texas 79701

Attn: Kalei Jennings

RAMER

Authorized for release by: 6/16/2022 11:28:30 AM

Jessica Kramer, Project Manager (432)704-5440

Jessica.Kramer@et.eurofinsus.com

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

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

Client: Ensolum
Project/Site: Raspberry State 1H
Laboratory Job ID: 890-2398-1
SDG: 03D2024048

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Definitions/Glossary

Job ID: 890-2398-1 Client: Ensolum Project/Site: Raspberry State 1H SDG: 03D2024048

Qualifiers

GC VOA Qualifier

LCS/LCSD RPD exceeds control limits. F1 MS and/or MSD recovery exceeds control limits. F2 MS/MSD RPD exceeds control limits

Qualifier Description

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

GC Semi VOA

Qualifier	Qualifier Description
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.

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor

DLC

DL

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

Decision Level Concentration (Radiochemistry)

Detection Limit (DoD/DOE)

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) Limit of Quantitation (DoD/DOE) LOQ EPA recommended "Maximum Contaminant Level" MCL

MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit 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 **Quality Control**

Relative Error Ratio (Radiochemistry) RER

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) Toxicity Equivalent Quotient (Dioxin) TEQ

TNTC Too Numerous To Count

Eurofins Carlsbad

Case Narrative

Client: Ensolum

Project/Site: Raspberry State 1H

Job ID: 890-2398-1 SDG: 03D2024048

Job ID: 890-2398-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-2398-1

Receipt

The samples were received on 6/8/2022 2:43 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 3.2°C

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: SS01 (890-2398-1), SS02 (890-2398-2) and SS03 (890-2398-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-27306 and analytical batch 880-27440 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 RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-27259 and analytical batch 880-27440 recovered outside control limits for the following analytes: Benzene.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-27259 and analytical batch 880-27440 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.

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SS01 (890-2398-1) and SS03 (890-2398-3). 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: (LCS 880-27314/2-A), (890-2396-A-1-D) and (890-2396-A-1-E MS). 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 880-27515 and analytical batch 880-27548 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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Job ID: 890-2398-1

Project/Site: Raspberry State 1H SDG: 03D2024048

Client Sample ID: SS01 Lab Sample ID: 890-2398-1 Date Collected: 06/01/22 12:28 Matrix: Solid

Date Received: 06/08/22 14:43

Sample Depth: 0.5'

Client: Ensolum

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.199	U	0.199	mg/Kg		06/10/22 12:47	06/13/22 20:13	100
Toluene	5.19		0.199	mg/Kg		06/10/22 12:47	06/13/22 20:13	100
Ethylbenzene	8.34		0.199	mg/Kg		06/10/22 12:47	06/13/22 20:13	100
m-Xylene & p-Xylene	16.9		0.398	mg/Kg		06/10/22 12:47	06/13/22 20:13	100
o-Xylene	8.22		0.199	mg/Kg		06/10/22 12:47	06/13/22 20:13	100
Xylenes, Total	25.1		0.398	mg/Kg		06/10/22 12:47	06/13/22 20:13	100
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	160	S1+	70 - 130			06/10/22 12:47	06/13/22 20:13	100
1,4-Difluorobenzene (Surr)	93		70 - 130			06/10/22 12:47	06/13/22 20:13	100
- Method: Total BTEX - Total BTEX	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	38.7		0.398	mg/Kg			06/14/22 15:18	1
Analyte Total TPH	Result 23500	Qualifier	250 RL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 06/13/22 09:42	Dil Fac
Total TPH					— <u> </u>			1
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	
Gasoline Range Organics								Dil Fac
	771		250	mg/Kg		06/10/22 15:08	06/12/22 04:21	Dil Fac
(GRO)-C6-C10 Diesel Range Organics (Over	771 22700		250 250	mg/Kg mg/Kg		06/10/22 15:08 06/10/22 15:08	06/12/22 04:21 06/12/22 04:21	5
		U						5
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	22700		250	mg/Kg		06/10/22 15:08	06/12/22 04:21	
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	22700 <250	Qualifier	250 250	mg/Kg		06/10/22 15:08 06/10/22 15:08	06/12/22 04:21 06/12/22 04:21	5 5 5
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	22700 <250 %Recovery	Qualifier	250 250 <i>Limits</i>	mg/Kg		06/10/22 15:08 06/10/22 15:08 Prepared	06/12/22 04:21 06/12/22 04:21 Analyzed	5 5 Dil Fac
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	22700 <250 %Recovery 158 110	Qualifier S1+	250 250 Limits 70 - 130	mg/Kg		06/10/22 15:08 06/10/22 15:08 Prepared 06/10/22 15:08	06/12/22 04:21 06/12/22 04:21 Analyzed 06/12/22 04:21	5 5 Dil Fac
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	22700 <250 **Recovery 158 110 omatography -	Qualifier S1+	250 250 Limits 70 - 130	mg/Kg	D	06/10/22 15:08 06/10/22 15:08 Prepared 06/10/22 15:08	06/12/22 04:21 06/12/22 04:21 Analyzed 06/12/22 04:21	5 5 Dil Fac

Client Sample ID: SS02 Lab Sample ID: 890-2398-2 Matrix: Solid

Date Collected: 06/01/22 12:33 Date Received: 06/08/22 14:43

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00637		0.00199	mg/Kg		06/10/22 12:47	06/13/22 19:11	1
Toluene	3.26		0.101	mg/Kg		06/13/22 17:00	06/14/22 10:23	50
Ethylbenzene	3.81		0.101	mg/Kg		06/13/22 17:00	06/14/22 10:23	50
m-Xylene & p-Xylene	10.7		0.202	mg/Kg		06/13/22 17:00	06/14/22 10:23	50
o-Xylene	4.87		0.101	mg/Kg		06/13/22 17:00	06/14/22 10:23	50
Xylenes, Total	15.6		0.202	mg/Kg		06/13/22 17:00	06/14/22 10:23	50
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	154	S1+	70 - 130			06/10/22 12:47	06/13/22 19:11	1

Eurofins Carlsbad

6/16/2022

Job ID: 890-2398-1

Client: Ensolum Project/Site: Raspberry State 1H SDG: 03D2024048

Client Sample ID: SS02 Lab Sample ID: 890-2398-2 Matrix: Solid

Date Collected: 06/01/22 12:33 Date Received: 06/08/22 14:43 Sample Depth: 0.5'

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

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	92	70 - 130	06/10/22 12:47	06/13/22 19:11	1

Method: Total BTEX - Total BTEX C	alculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	22.6		0.202	mg/Kg			06/14/22 15:18	1

- 1	Total B TEX		*	 ***************************************
-	_			
_				
- 1	Method: 8015 NM - Diesel Range Organ	aine (DDO) (CC)		
- 1	Method: 6015 NW - Diesel Rande Ordar	nics (DRO) (GC)		
- 1		(- / (- /		

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	23300		250	mg/Kg			06/13/22 09:42	1

Organics (DRO) (GC)						
Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
309	250	mg/Kg		06/10/22 15:08	06/12/22 04:41	5
23000	250	mg/Kg		06/10/22 15:08	06/12/22 04:41	5
<250 U	250	mg/Kg		06/10/22 15:08	06/12/22 04:41	5
	Result Qualifier 309 23000	Result Qualifier RL 309 250 23000 250	309 250 mg/Kg 23000 250 mg/Kg	Result 309 Qualifier RL 250 Unit mg/Kg D mg/Kg 23000 250 mg/Kg	Result 309 Qualifier RL 250 Unit mg/Kg D 06/10/22 15:08 23000 250 mg/Kg 06/10/22 15:08	Result 309 Qualifier RL prepared Unit mg/Kg D prepared 06/10/22 15:08 Analyzed 06/12/22 04:41 23000 250 mg/Kg 06/10/22 15:08 06/12/22 04:41

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130	06/10/22 15:08	06/12/22 04:41	5
o-Terphenyl	128		70 - 130	06/10/22 15:08	06/12/22 04:41	5

Method: 300.0 - Anions, Ion Chron	natography - Soluble							
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	1270	4.95	ma/Ka			06/15/22 20:12		

Lab Sample ID: 890-2398-3 **Client Sample ID: SS03** Matrix: Solid

Date Collected: 06/01/22 12:45 Date Received: 06/08/22 14:43

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00573		0.00200	mg/Kg		06/10/22 12:47	06/13/22 19:32	1
Toluene	0.346		0.00200	mg/Kg		06/10/22 12:47	06/13/22 19:32	1
Ethylbenzene	0.172		0.00200	mg/Kg		06/10/22 12:47	06/13/22 19:32	1
m-Xylene & p-Xylene	0.387		0.00401	mg/Kg		06/10/22 12:47	06/13/22 19:32	1
o-Xylene	0.147		0.00200	mg/Kg		06/10/22 12:47	06/13/22 19:32	1
Xylenes, Total	0.534		0.00401	mg/Kg		06/10/22 12:47	06/13/22 19:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)		S1+	70 - 130			06/10/22 12:47	06/13/22 19:32	1
1,4-Difluorobenzene (Surr)	104		70 - 130			06/10/22 12:47	06/13/22 19:32	1

Method: Total BTEX - Total BTEX C	alculation						
Analyte	Result Qualifier	r RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	1.06	0.00401	mg/Kg			06/14/22 15:18	1

Method: 8015 NM - Diesel Range (Organics (DRO) (GC)						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	23600	250	mg/Kg			06/13/22 09:42	1

Eurofins Carlsbad

Client Sample Results

Client: Ensolum Job ID: 890-2398-1 Project/Site: Raspberry State 1H SDG: 03D2024048

Client Sample ID: SS03 Lab Sample ID: 890-2398-3

Date Collected: 06/01/22 12:45 Matrix: Solid Date Received: 06/08/22 14:43

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<250	U	250	mg/Kg		06/10/22 15:08	06/12/22 05:02	5
Diesel Range Organics (Over C10-C28)	23600		250	mg/Kg		06/10/22 15:08	06/12/22 05:02	5
Oll Range Organics (Over C28-C36)	<250	U	250	mg/Kg		06/10/22 15:08	08 06/12/22 05:02 08 06/12/22 05:02 Analyzed 08 06/12/22 05:02	5
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130			06/10/22 15:08	06/12/22 05:02	5
o-Terphenyl	132	S1+	70 - 130			06/10/22 15:08	06/12/22 05:02	5
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
j to								

Lab Sample ID: 890-2398-4 **Client Sample ID: SS04** Date Collected: 06/01/22 13:40 Matrix: Solid

Date Received: 06/08/22 14:43

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		06/10/22 12:47	06/13/22 19:53	1
Toluene	0.0136		0.00201	mg/Kg		06/10/22 12:47	06/13/22 19:53	1
Ethylbenzene	0.00985		0.00201	mg/Kg		06/10/22 12:47	06/13/22 19:53	1
m-Xylene & p-Xylene	0.0989		0.00402	mg/Kg		06/10/22 12:47	06/13/22 19:53	1
o-Xylene	0.0235		0.00201	mg/Kg		06/10/22 12:47	06/13/22 19:53	1
Xylenes, Total	0.122		0.00402	mg/Kg		06/10/22 12:47	06/13/22 19:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130			06/10/22 12:47	06/13/22 19:53	1
1,4-Difluorobenzene (Surr)	103		70 - 130			06/10/22 12:47	06/13/22 19:53	1
Method: Total BTEX - Total BTEX	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.146		0.00402	mg/Kg			06/14/22 15:18	1
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)						
Analyte	Posult	O II:61						
•	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0			Unit mg/Kg	<u>D</u>	Prepared	Analyzed 06/13/22 09:42	Dil Fac
Total TPH	<50.0	U			<u>D</u>	Prepared		
Total TPH Method: 8015B NM - Diesel Rang	<50.0	U			D	Prepared Prepared		
Total TPH Method: 8015B NM - Diesel Rang	<50.0	RO) (GC) Qualifier	50.0	mg/Kg			06/13/22 09:42	1
Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	<50.0 e Organics (D Result	RO) (GC) Qualifier	50.0	mg/Kg		Prepared	06/13/22 09:42 Analyzed	1 Dil Fac
Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<50.0 Column	RO) (GC) Qualifier U	50.0 RL 50.0	mg/Kg Unit mg/Kg		Prepared 06/10/22 15:08	06/13/22 09:42 Analyzed 06/12/22 03:00	Dil Fac
Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<50.0 e Organics (D) Result <50.0 <50.0	CO (GC) Qualifier U U	50.0 RL 50.0 50.0	mg/Kg Unit mg/Kg mg/Kg		Prepared 06/10/22 15:08 06/10/22 15:08	06/13/22 09:42 Analyzed 06/12/22 03:00 06/12/22 03:00	Dil Fac
Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<50.0 Companies (Display="1" style="block") Result <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.	U RO) (GC) Qualifier U U	50.0 RL 50.0 50.0 50.0	mg/Kg Unit mg/Kg mg/Kg		Prepared 06/10/22 15:08 06/10/22 15:08	Analyzed 06/12/22 03:00 06/12/22 03:00	1 Dil Fac

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Job ID: 890-2398-1

Client: Ensolum Project/Site: Raspberry State 1H SDG: 03D2024048

Client Sample ID: SS04 Lab Sample ID: 890-2398-4

Date Collected: 06/01/22 13:40 Matrix: Solid Date Received: 06/08/22 14:43

Sample Depth: 0.5'

	Method: 300.0 - Anions, Ion Chrom	atography -	Soluble						
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
L	Chloride	44.8		4.98	mg/Kg			06/16/22 00:24	1

Client Sample ID: SS05 Lab Sample ID: 890-2398-5

Date Collected: 06/01/22 13:55 Date Received: 06/08/22 14:43

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200	mg/Kg		06/10/22 12:47	06/13/22 21:37	1
Toluene	0.0121		0.00200	mg/Kg		06/10/22 12:47	06/13/22 21:37	1
Ethylbenzene	0.00601		0.00200	mg/Kg		06/10/22 12:47	06/13/22 21:37	1
m-Xylene & p-Xylene	0.0578		0.00399	mg/Kg		06/10/22 12:47	06/13/22 21:37	1
o-Xylene	0.0125		0.00200	mg/Kg		06/10/22 12:47	06/13/22 21:37	1
Xylenes, Total	0.0703		0.00399	mg/Kg		06/10/22 12:47	06/13/22 21:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130			06/10/22 12:47	06/13/22 21:37	1
1,4-Difluorobenzene (Surr)	101		70 - 130			06/10/22 12:47	06/13/22 21:37	1
Method: Total BTEX - Total BTEX	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0884		0.00399	mg/Kg			06/14/22 15:18	1
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			06/13/22 09:42	1
Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		06/10/22 15:08	06/12/22 03:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		06/10/22 15:08	06/12/22 03:21	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/10/22 15:08	06/12/22 03:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130			06/10/22 15:08	06/12/22 03:21	1
o-Terphenyl	87		70 - 130			06/10/22 15:08	06/12/22 03:21	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.1		4.99	mg/Kg			06/16/22 00:32	1

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Matrix: Solid

Matrix: Solid

Lab Sample ID: 890-2398-6

Client Sample Results

Client: Ensolum Job ID: 890-2398-1
Project/Site: Raspberry State 1H SDG: 03D2024048

Client Sample ID: SS06

Date Collected: 06/01/22 13:59 Date Received: 06/08/22 14:43

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		06/10/22 12:47	06/13/22 21:58	1
Toluene	0.0190		0.00199	mg/Kg		06/10/22 12:47	06/13/22 21:58	1
Ethylbenzene	0.00802		0.00199	mg/Kg		06/10/22 12:47	06/13/22 21:58	1
m-Xylene & p-Xylene	0.0963		0.00398	mg/Kg		06/10/22 12:47	06/13/22 21:58	1
o-Xylene	0.0216		0.00199	mg/Kg		06/10/22 12:47	06/13/22 21:58	1
Xylenes, Total	0.118		0.00398	mg/Kg		06/10/22 12:47	06/13/22 21:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	90		70 - 130			06/10/22 12:47	06/13/22 21:58	1
1,4-Difluorobenzene (Surr)	102		70 - 130			06/10/22 12:47	06/13/22 21:58	1
Method: Total BTEX - Total BTE	X Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.145		0.00398	mg/Kg			06/14/22 15:18	1
<u> </u>	<49.9		49.9	mg/Kg		Frepareu	06/13/22 09:42	
Analyte Total TPH		Qualifier U	RL 49.9	Unit mg/Kg	D	Prepared	Analyzed 06/13/22 09:42	Dil Fac
Madhadi 0045D NM Diagal Dan	Oi (D)	DO) (OO)						
Method: 8015B NM - Diesel Rang	• •		DI	Unit	D	Duamanad	Amalumad	Dil Fac
Analyte		Qualifier	RL 49.9		b	Prepared 06/10/22 15:08	Analyzed 06/12/22 03:41	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		06/10/22 15:06	06/12/22 03:41	
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		06/10/22 15:08	06/12/22 03:41	1
C10-C28)								
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/10/22 15:08	06/12/22 03:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Surroyate			70 - 130			06/10/22 15:08	06/12/22 03:41	1
1-Chlorooctane	81		70 - 700				00/12/22 00:11	,
	81 84		70 - 130			06/10/22 15:08	06/12/22 03:41	
1-Chlorooctane	84	Soluble				06/10/22 15:08		-
1-Chlorooctane o-Terphenyl	84 omatography -	Soluble Qualifier		Unit	D	06/10/22 15:08 Prepared		Dil Fac

Client Sample ID: SS07

Date Collected: 06/01/22 14:08 Date Received: 06/08/22 14:43

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/10/22 12:47	06/13/22 22:19	1
Toluene	0.0299		0.00200	mg/Kg		06/10/22 12:47	06/13/22 22:19	1
Ethylbenzene	0.00819		0.00200	mg/Kg		06/10/22 12:47	06/13/22 22:19	1
m-Xylene & p-Xylene	0.102		0.00401	mg/Kg		06/10/22 12:47	06/13/22 22:19	1
o-Xylene	0.0205		0.00200	mg/Kg		06/10/22 12:47	06/13/22 22:19	1
Xylenes, Total	0.123		0.00401	mg/Kg		06/10/22 12:47	06/13/22 22:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130			06/10/22 12:47	06/13/22 22:19	

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Lab Sample ID: 890-2398-7

Matrix: Solid

2

2

4

6

8

10

12

13

Client Sample Results

Client: Ensolum Job ID: 890-2398-1 Project/Site: Raspberry State 1H SDG: 03D2024048

Client Sample ID: SS07 Lab Sample ID: 890-2398-7 Date Collected: 06/01/22 14:08

Matrix: Solid

06/16/22 00:47

Date Received: 06/08/22 14:43

Sample Depth: 0.5'

Chloride

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	82		70 - 130			06/10/22 12:47	06/13/22 22:19	1
Method: Total BTEX - Total BTEX	(Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.161		0.00401	mg/Kg			06/14/22 15:18	1
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			06/13/22 09:42	1
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)						
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		06/10/22 15:08	06/12/22 04:01	1
(GRO)-C6-C10 Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		06/10/22 15:08	06/12/22 04:01	1
C10-C28)								
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/10/22 15:08	06/12/22 04:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130			06/10/22 15:08	06/12/22 04:01	1
o-Terphenyl	84		70 - 130			06/10/22 15:08	06/12/22 04:01	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						

4.95

mg/Kg

54.4

Surrogate Summary

Job ID: 890-2398-1 Client: Ensolum Project/Site: Raspberry State 1H SDG: 03D2024048

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)	
890-2376-A-56-D MS	Matrix Spike	96	84	
390-2376-A-56-E MSD	Matrix Spike Duplicate	120	90	
890-2397-A-1-A MS	Matrix Spike	113	95	
390-2397-A-1-B MSD	Matrix Spike Duplicate	96	96	
390-2398-1	SS01	160 S1+	93	
890-2398-2	SS02	154 S1+	92	
890-2398-3	SS03	177 S1+	104	
390-2398-4	SS04	96	103	
390-2398-5	SS05	81	101	
890-2398-6	SS06	90	102	
390-2398-7	SS07	92	82	
_CS 880-27259/1-A	Lab Control Sample	103	91	
LCS 880-27306/1-A	Lab Control Sample	118	97	
_CSD 880-27259/2-A	Lab Control Sample Dup	92	106	
LCSD 880-27306/2-A	Lab Control Sample Dup	101	100	
4D 000 07050/5 A	Method Blank	98	99	
MB 880-27259/5-A	Method Blank	91	102	

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

		1001	ОТРН1	Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-2396-A-1-E MS	Matrix Spike	78	8 S1-	
890-2396-A-1-F MSD	Matrix Spike Duplicate	80	74	
890-2398-1	SS01	158 S1+	110	
890-2398-2	SS02	129	128	
890-2398-3	SS03	105	132 S1+	
890-2398-4	SS04	81	80	
890-2398-5	SS05	82	87	
890-2398-6	SS06	81	84	
890-2398-7	SS07	81	84	
LCS 880-27314/2-A	Lab Control Sample	93	13 S1-	
LCSD 880-27314/3-A	Lab Control Sample Dup	91	87	
MB 880-27314/1-A	Method Blank	80	87	

OTPH = o-Terphenyl

Client: Ensolum Job ID: 890-2398-1 Project/Site: Raspberry State 1H SDG: 03D2024048

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-27259/5-A

Matrix: Solid Analysis Batch: 27440 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27259

	IVID	IVID						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/10/22 09:30	06/14/22 03:26	
Toluene	<0.00200	U	0.00200	mg/Kg		06/10/22 09:30	06/14/22 03:26	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/10/22 09:30	06/14/22 03:26	
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		06/10/22 09:30	06/14/22 03:26	
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/10/22 09:30	06/14/22 03:26	
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		06/10/22 09:30	06/14/22 03:26	

MB MB

MD MD

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	06/10/22 09:30	06/14/22 03:26	1
1,4-Difluorobenzene (Surr)	99		70 - 130	06/10/22 09:30	06/14/22 03:26	1

Lab Sample ID: LCS 880-27259/1-A

Matrix: Solid

Analysis Batch: 27440

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 27259

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.07243		mg/Kg		72	70 - 130	
Toluene	0.100	0.08666		mg/Kg		87	70 - 130	
Ethylbenzene	0.100	0.08391		mg/Kg		84	70 - 130	
m-Xylene & p-Xylene	0.200	0.1688		mg/Kg		84	70 - 130	
o-Xylene	0.100	0.09442		mg/Kg		94	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	103	70 - 130
1,4-Difluorobenzene (Surr)	91	70 - 130

Lab Sample ID: LCSD 880-27259/2-A

Matrix: Solid

Analysis Batch: 27440

Client Sample ID: Lab Control Sample Dup
--

Prep Type: Total/NA

Prep Batch: 27259

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1076	*1	mg/Kg		108	70 - 130	39	35
Toluene	0.100	0.09612		mg/Kg		96	70 - 130	10	35
Ethylbenzene	0.100	0.08092		mg/Kg		81	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.1513		mg/Kg		76	70 - 130	11	35
o-Xylene	0.100	0.08396		mg/Kg		84	70 - 130	12	35

LCSD LCSD

Surrogate	%Recovery Qua	alifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1.4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: 890-2376-A-56-D MS

Matrix: Solid

Analysis Batch: 27440

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 27259

Spike MS MS Sample Sample %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec

Limits Benzene <0.00199 U F2 F1 0.0996 0.03597 F1 36 70 - 130 mg/Kg

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Released to Imaging: 10/26/2022 2:48:49 PM

Client: Ensolum Job ID: 890-2398-1 SDG: 03D2024048 Project/Site: Raspberry State 1H

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

Lab Sample ID: 890-2376-A-56-D MS

Matrix: Solid

Analysis Batch: 27440

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

Prep Batch: 27259

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Toluene	<0.00199	U F2 F1	0.0996	0.05113	F1	mg/Kg		51	70 - 130	
Ethylbenzene	<0.00199	U F2 F1	0.0996	0.04197	F1	mg/Kg		42	70 - 130	
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.199	0.08677	F1	mg/Kg		44	70 - 130	
o-Xylene	<0.00199	U F2 F1	0.0996	0.05112	F1	mg/Kg		51	70 - 130	

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	96	70 - 130
1,4-Difluorobenzene (Surr)	84	70 - 130

Lab Sample ID: 890-2376-A-56-E MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 27440

Prep Type: Total/NA

Prep Batch: 27259

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00199	U F2 F1 *1	0.100	0.06649	F2 F1	mg/Kg		66	70 - 130	60	35
Toluene	<0.00199	U F2 F1	0.100	0.08524	F2	mg/Kg		85	70 - 130	50	35
Ethylbenzene	<0.00199	U F2 F1	0.100	0.08169	F2	mg/Kg		82	70 - 130	64	35
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.200	0.1746	F2	mg/Kg		87	70 - 130	67	35
o-Xylene	<0.00199	U F2 F1	0.100	0.09769	F2	mg/Kg		97	70 - 130	63	35

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	120		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: MB 880-27306/5-A

Matrix: Solid

Analysis Batch: 27440

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27306

MB MB

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/10/22 12:47	06/13/22 16:45	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/10/22 12:47	06/13/22 16:45	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/10/22 12:47	06/13/22 16:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		06/10/22 12:47	06/13/22 16:45	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/10/22 12:47	06/13/22 16:45	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		06/10/22 12:47	06/13/22 16:45	1

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	06/10/22 12:47	06/13/22 16:45	1
1.4-Difluorobenzene (Surr)	102		70 - 130	06/10/22 12:47	06/13/22 16:45	1

Lab Sample ID: LCS 880-27306/1-A

Matrix: Solid

Analysis Batch: 27440

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

Prep Batch: 27306

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08388		mg/Kg		84	70 - 130	
Toluene	0.100	0.1036		mg/Kg		104	70 - 130	

Client: Ensolum Job ID: 890-2398-1 SDG: 03D2024048 Project/Site: Raspberry State 1H

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

Lab Sample ID: LCS 880-27306/1-A

Matrix: Solid

Analysis Batch: 27440

Client	Sample	ID:	Lab	Control	Sample	ê

Prep Type: Total/NA

Prep Batch: 27306

	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Ethylbenzene	0.100	0.1050		mg/Kg		105	70 - 130
m-Xylene & p-Xylene	0.200	0.2149		mg/Kg		107	70 - 130
o-Xylene	0.100	0.1181		mg/Kg		118	70 - 130

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 27306

Matrix: Solid

Lab Sample ID: LCSD 880-27306/2-A

Analysis Batch: 27440

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.08586		mg/Kg		86	70 - 130	2	35
Toluene	0.100	0.09646		mg/Kg		96	70 - 130	7	35
Ethylbenzene	0.100	0.09253		mg/Kg		93	70 - 130	13	35
m-Xylene & p-Xylene	0.200	0.1839		mg/Kg		92	70 - 130	16	35
o-Xylene	0.100	0.1006		mg/Kg		101	70 - 130	16	35

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	101	70 - 130
1,4-Difluorobenzene (Surr)	100	70 - 130

Lab Sample ID: 890-2397-A-1-A MS

Matrix: Solid

Analysis Batch: 27440

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Pren Batch: 27306

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00201	U F1	0.0994	0.06177	F1	mg/Kg		62	70 - 130	
Toluene	<0.00201	U	0.0994	0.07783		mg/Kg		77	70 - 130	
Ethylbenzene	<0.00201	U	0.0994	0.07692		mg/Kg		77	70 - 130	
m-Xylene & p-Xylene	<0.00402	U F1	0.199	0.1579		mg/Kg		79	70 - 130	
o-Xylene	<0.00201	U	0.0994	0.08816		mg/Kg		88	70 - 130	

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	113	70 - 130
1,4-Difluorobenzene (Surr)	95	70 - 130

Lab Sample ID: 890-2397-A-1-B MSD

Matrix: Solid

Analysis Batch: 27440

Client Sample	ID: Matrix S	pike Duplicate
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Prep Type: Total/NA

Prep Batch: 27306

7											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00201	U F1	0.0998	0.06868	F1	mg/Kg		68	70 - 130	11	35
Toluene	<0.00201	U	0.0998	0.07737		mg/Kg		76	70 - 130	1	35
Ethylbenzene	<0.00201	U	0.0998	0.07039		mg/Kg		71	70 - 130	9	35
m-Xylene & p-Xylene	<0.00402	U F1	0.200	0.1387	F1	mg/Kg		69	70 - 130	13	35
o-Xylene	<0.00201	U	0.0998	0.07719		mg/Kg		77	70 - 130	13	35

Client: Ensolum Job ID: 890-2398-1
Project/Site: Raspberry State 1H SDG: 03D2024048

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

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

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

Lab Sample ID: MB 880-27314/1- Matrix: Solid	A					Client Sa	mple ID: Metho Prep Type: 1	
Analysis Batch: 27330							Prep Batch	n: <mark>27314</mark>
	MB	MB					-	
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		06/10/22 15:08	06/11/22 20:47	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		06/10/22 15:08	06/11/22 20:47	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/10/22 15:08	06/11/22 20:47	1
	МВ	MB						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130			06/10/22 15:08	06/11/22 20:47	1
o-Terphenyl	87		70 - 130			06/10/22 15:08	06/11/22 20:47	1

Lab Sample ID: LCS 880-27314/2-A

Matrix: Solid

Analysis Batch: 27330

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 27314

		Spike	LCS	LCS				%Rec	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10		1000	820.3		mg/Kg		82	70 - 130	
Diesel Range Organics (Over C10-C28)		1000	1072		mg/Kg		107	70 - 130	
	LCS LCS								

	LUS	LUS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	13	S1-	70 - 130

Lab Sample ID: LCSD 880-27314/3-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 27330 Prep Batch: 27314 LCSD LCSD Spike %Rec RPD Analyte Added Result Qualifier Limit Unit %Rec Limits Gasoline Range Organics 1000 901.7 mg/Kg 90 70 - 130 (GRO)-C6-C10

996.4

mg/Kg

100

70 - 130

1000

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	91		70 - 130
o-Terphenyl	87		70 - 130

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Diesel Range Organics (Over

C10-C28)

Client: Ensolum Job ID: 890-2398-1 Project/Site: Raspberry State 1H SDG: 03D2024048

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

Lab Sample ID: 890-2396-A-1-E MS Client Sample ID: Matrix Spike Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 27330									Prep	Batch: 27314
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	<49.9	U	997	1119		mg/Kg		112	70 - 130	
(GRO)-C6-C10										
Diesel Range Organics (Over	90.1		997	797.6		mg/Kg		71	70 - 130	

C10-C28)

MS MS %Recovery Qualifier Limits Surrogate 1-Chlorooctane 70 - 130 78 o-Terphenyl 8 S1-70 - 130

Lab Sample ID: 890-2396-A-1-F MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 27330

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	<49.9	U	1000	1214		mg/Kg		121	70 - 130	8	20
(GRO)-C6-C10											
Diesel Range Organics (Over	90.1		1000	801.9		mg/Kg		71	70 - 130	1	20
C10-C28)											

MSD MSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane 80 70 - 130 74 70 - 130 o-Terphenyl

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-27515/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 27548

MB MB

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			06/15/22 20:52	1

Lab Sample ID: LCS 880-27515/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 27548

	Бріке	LUS	LUS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	267.5		mg/Kg		107	90 - 110	

Lab Sample ID: LCSD 880-27515/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 27548

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier %Rec Limits RPD Limit Unit Chloride 250 249.2 100 mg/Kg 90 - 110 20

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Prep Type: Total/NA

Prep Batch: 27314

Job ID: 890-2398-1

Client: Ensolum Project/Site: Raspberry State 1H SDG: 03D2024048

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-15674-A-1-C MS Client Sample ID: Matrix Spike **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 27548

Sample Sample Spike MS MS %Rec Result Qualifier Added Analyte Result Qualifier Unit %Rec Limits Chloride 138 253 405.4 mg/Kg 106 90 - 110

Lab Sample ID: 880-15674-A-1-D MSD Client Sample ID: Matrix Spike Duplicate **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 27548

		Sample	Sample	Spike	MSD	MSD				%Rec		RPD
	Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
l	Chloride	138		253	406.2		mg/Kg		106	90 - 110	0	20

Lab Sample ID: 880-15699-A-4-C MS Client Sample ID: Matrix Spike **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 27548

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	481	F1	1250	1853		mg/Kg	_	110	90 - 110	

Lab Sample ID: 880-15699-A-4-D MSD Client Sample ID: Matrix Spike Duplicate **Prep Type: Soluble Matrix: Solid**

Analysis Batch: 27548

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	481	F1	1250	1885	F1	mg/Kg		113	90 - 110	2	20

Lab Sample ID: MB 880-27514/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 27549

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Analyte	Result Qualifier	r RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00 U	5.00	mg/Kg]		06/15/22 16:17	1

Lab Sample ID: LCS 880-27514/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 27549

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	254.0		mg/Kg	_	102	90 - 110	

Lab Sample ID: LCSD 880-27514/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 27549

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	250	258.5		ma/Ka		103	90 - 110	2	20	

Lab Sample ID: 890-2396-A-9-F MS Client Sample ID: Matrix Spike **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 27549

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	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	148		249	395.1		mg/Kg		99	90 - 110	

Prep Type: Soluble

QC Sample Results

Client: Ensolum Job ID: 890-2398-1 Project/Site: Raspberry State 1H SDG: 03D2024048

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-2396-A-9-G MSD **Client Sample ID: Matrix Spike Duplicate**

Matrix: Solid

Analysis Batch: 27549

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	148		249	397.0		mg/Kg		100	90 - 110	0	20

Client: Ensolum
Project/Site: Raspberry State 1H
SDG: 03D2024048

GC VOA

Prep Batch: 27259

Lab Sample ID 890-2398-2	Client Sample ID SS02	Prep Type Total/NA	Matrix Solid	Method 5035	Prep Batch
MB 880-27259/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-27259/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-27259/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2376-A-56-D MS	Matrix Spike	Total/NA	Solid	5035	
890-2376-A-56-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 27306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2398-1	SS01	Total/NA	Solid	5035	
890-2398-2	SS02	Total/NA	Solid	5035	
890-2398-3	SS03	Total/NA	Solid	5035	
890-2398-4	SS04	Total/NA	Solid	5035	
890-2398-5	SS05	Total/NA	Solid	5035	
890-2398-6	SS06	Total/NA	Solid	5035	
890-2398-7	SS07	Total/NA	Solid	5035	
MB 880-27306/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-27306/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-27306/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2397-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
890-2397-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 27440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2398-1	SS01	Total/NA	Solid	8021B	27306
890-2398-2	SS02	Total/NA	Solid	8021B	27306
890-2398-2	SS02	Total/NA	Solid	8021B	27259
890-2398-3	SS03	Total/NA	Solid	8021B	27306
890-2398-4	SS04	Total/NA	Solid	8021B	27306
890-2398-5	SS05	Total/NA	Solid	8021B	27306
890-2398-6	SS06	Total/NA	Solid	8021B	27306
890-2398-7	SS07	Total/NA	Solid	8021B	27306
MB 880-27259/5-A	Method Blank	Total/NA	Solid	8021B	27259
MB 880-27306/5-A	Method Blank	Total/NA	Solid	8021B	27306
LCS 880-27259/1-A	Lab Control Sample	Total/NA	Solid	8021B	27259
LCS 880-27306/1-A	Lab Control Sample	Total/NA	Solid	8021B	27306
LCSD 880-27259/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	27259
LCSD 880-27306/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	27306
890-2376-A-56-D MS	Matrix Spike	Total/NA	Solid	8021B	27259
890-2376-A-56-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	27259
890-2397-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	27306
890-2397-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	27306

Analysis Batch: 27527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2398-1	SS01	Total/NA	Solid	Total BTEX	
890-2398-2	SS02	Total/NA	Solid	Total BTEX	
890-2398-3	SS03	Total/NA	Solid	Total BTEX	
890-2398-4	SS04	Total/NA	Solid	Total BTEX	
890-2398-5	SS05	Total/NA	Solid	Total BTEX	
890-2398-6	SS06	Total/NA	Solid	Total BTEX	

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10

12

14

Client: Ensolum

Project/Site: Raspberry State 1H

Job ID: 890-2398-1

SDG: 03D2024048

GC VOA (Continued)

Analysis Batch: 27527 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2398-7	SS07	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 27314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2398-1	SS01	Total/NA	Solid	8015NM Prep	
890-2398-2	SS02	Total/NA	Solid	8015NM Prep	
890-2398-3	SS03	Total/NA	Solid	8015NM Prep	
890-2398-4	SS04	Total/NA	Solid	8015NM Prep	
890-2398-5	SS05	Total/NA	Solid	8015NM Prep	
890-2398-6	SS06	Total/NA	Solid	8015NM Prep	
890-2398-7	SS07	Total/NA	Solid	8015NM Prep	
MB 880-27314/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-27314/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-27314/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2396-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2396-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 27330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2398-1	SS01	Total/NA	Solid	8015B NM	27314
890-2398-2	SS02	Total/NA	Solid	8015B NM	27314
890-2398-3	SS03	Total/NA	Solid	8015B NM	27314
890-2398-4	SS04	Total/NA	Solid	8015B NM	27314
890-2398-5	SS05	Total/NA	Solid	8015B NM	27314
890-2398-6	SS06	Total/NA	Solid	8015B NM	27314
890-2398-7	SS07	Total/NA	Solid	8015B NM	27314
MB 880-27314/1-A	Method Blank	Total/NA	Solid	8015B NM	27314
LCS 880-27314/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	27314
LCSD 880-27314/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	27314
890-2396-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	27314
890-2396-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	27314

Analysis Batch: 27387

Lab Sample ID 890-2398-1	Client Sample ID SS01	Prep Type Total/NA	Matrix Solid	Method 8015 NM	Prep Batch
890-2398-2	SS02	Total/NA	Solid	8015 NM	
890-2398-3	SS03	Total/NA	Solid	8015 NM	
890-2398-4	SS04	Total/NA	Solid	8015 NM	
890-2398-5	SS05	Total/NA	Solid	8015 NM	
890-2398-6	SS06	Total/NA	Solid	8015 NM	
890-2398-7	SS07	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 27514

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2398-1	SS01	Soluble	Solid	DI Leach	
890-2398-2	SS02	Soluble	Solid	DI Leach	
MB 880-27514/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-27514/2-A	Lab Control Sample	Soluble	Solid	DI Leach	

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Client: Ensolum Job ID: 890-2398-1 Project/Site: Raspberry State 1H

SDG: 03D2024048

HPLC/IC (Continued)

Leach Batch: 27514 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-27514/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2396-A-9-F MS	Matrix Spike	Soluble	Solid	DI Leach	
890-2396-A-9-G MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 27515

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2398-3	SS03	Soluble	Solid	DI Leach	
890-2398-4	SS04	Soluble	Solid	DI Leach	
890-2398-5	SS05	Soluble	Solid	DI Leach	
890-2398-6	SS06	Soluble	Solid	DI Leach	
890-2398-7	SS07	Soluble	Solid	DI Leach	
MB 880-27515/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-27515/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-27515/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-15674-A-1-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-15674-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
880-15699-A-4-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-15699-A-4-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 27548

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2398-3	SS03	Soluble	Solid	300.0	27515
890-2398-4	SS04	Soluble	Solid	300.0	27515
890-2398-5	SS05	Soluble	Solid	300.0	27515
890-2398-6	SS06	Soluble	Solid	300.0	27515
890-2398-7	SS07	Soluble	Solid	300.0	27515
MB 880-27515/1-A	Method Blank	Soluble	Solid	300.0	27515
LCS 880-27515/2-A	Lab Control Sample	Soluble	Solid	300.0	27515
LCSD 880-27515/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	27515
880-15674-A-1-C MS	Matrix Spike	Soluble	Solid	300.0	27515
880-15674-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	27515
880-15699-A-4-C MS	Matrix Spike	Soluble	Solid	300.0	27515
880-15699-A-4-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	27515

Analysis Batch: 27549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2398-1	SS01	Soluble	Solid	300.0	27514
890-2398-2	SS02	Soluble	Solid	300.0	27514
MB 880-27514/1-A	Method Blank	Soluble	Solid	300.0	27514
LCS 880-27514/2-A	Lab Control Sample	Soluble	Solid	300.0	27514
LCSD 880-27514/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	27514
890-2396-A-9-F MS	Matrix Spike	Soluble	Solid	300.0	27514
890-2396-A-9-G MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	27514

Client: Ensolum

Job ID: 890-2398-1 SDG: 03D2024048

Project/Site: Raspberry State 1H **Client Sample ID: SS01** Lab Sample ID: 890-2398-1

Matrix: Solid

Date Collected: 06/01/22 12:28 Date Received: 06/08/22 14:43

	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	27306	06/10/22 12:47	MR	XEN MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	27440	06/13/22 20:13	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27527	06/14/22 15:18	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27387	06/13/22 09:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27314	06/10/22 15:08	DM	XEN MID
Total/NA	Analysis	8015B NM		5			27330	06/12/22 04:21	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	27514	06/14/22 13:29	SC	XEN MID
Soluble	Analysis	300.0		20			27549	06/15/22 20:04	CH	XEN MID

Client Sample ID: SS02 Lab Sample ID: 890-2398-2 Date Collected: 06/01/22 12:33

Matrix: Solid

Matrix: Solid

Date Received: 06/08/22 14:43

	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	27306	06/10/22 12:47	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27440	06/13/22 19:11	MR	XEN MID
Total/NA	Prep	5035			4.95 g	5 mL	27259	06/13/22 17:00	EL	XEN MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	27440	06/14/22 10:23	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27527	06/14/22 15:18	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27387	06/13/22 09:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27314	06/10/22 15:08	DM	XEN MID
Total/NA	Analysis	8015B NM		5			27330	06/12/22 04:41	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	27514	06/14/22 13:29	SC	XEN MID
Soluble	Analysis	300.0		1			27549	06/15/22 20:12	CH	XEN MID

Client Sample ID: SS03 Lab Sample ID: 890-2398-3

Date Collected: 06/01/22 12:45 Date Received: 06/08/22 14:43

	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	27306	06/10/22 12:47	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27440	06/13/22 19:32	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27527	06/14/22 15:18	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27387	06/13/22 09:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27314	06/10/22 15:08	DM	XEN MID
Total/NA	Analysis	8015B NM		5			27330	06/12/22 05:02	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	27515	06/14/22 13:35	SC	XEN MID
Soluble	Analysis	300.0		10			27548	06/16/22 00:16	CH	XEN MID

Lab Sample ID: 890-2398-4

Matrix: Solid

Date Collected: 06/01/22 13:40 Date Received: 06/08/22 14:43

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			4.98 g	5 mL	27306	06/10/22 12:47	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27440	06/13/22 19:53	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27527	06/14/22 15:18	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27387	06/13/22 09:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	27314	06/10/22 15:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27330	06/12/22 03:00	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	27515	06/14/22 13:35	SC	XEN MID
Soluble	Analysis	300.0		1			27548	06/16/22 00:24	CH	XEN MID

Client Sample ID: SS05 Lab Sample ID: 890-2398-5

Date Collected: 06/01/22 13:55

Date Received: 06/08/22 14:43

Matrix: Solid

XEN MID

XEN MID

Dil Initial Final Batch Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Prep 5035 27306 Total/NA 5.01 g 5 mL 06/10/22 12:47 MR XEN MID Total/NA 8021B 5 mL XEN MID Analysis 1 5 mL 27440 06/13/22 21:37 MR Total/NA Total BTEX 27527 06/14/22 15:18 XEN MID Analysis SM 1 Total/NA Analysis 8015 NM 27387 06/13/22 09:42 XEN MID Total/NA 27314 XEN MID Prep 8015NM Prep 10.02 g 06/10/22 15:08 DM 10 mL Total/NA Analysis 8015B NM 27330 06/12/22 03:21 AJ XEN MID

Client Sample ID: SS06 Lab Sample ID: 890-2398-6

5.01 g

50 mL

27515

27548

Date Collected: 06/01/22 13:59 Date Received: 06/08/22 14:43

Leach

Analysis

DI Leach

300.0

Soluble

Soluble

Matrix: Solid

SC

CH

06/14/22 13:35

06/16/22 00:32

	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	27306	06/10/22 12:47	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27440	06/13/22 21:58	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27527	06/14/22 15:18	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27387	06/13/22 09:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	27314	06/10/22 15:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27330	06/12/22 03:41	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	27515	06/14/22 13:35	SC	XEN MID
Soluble	Analysis	300.0		1			27548	06/16/22 00:39	CH	XEN MID

Client Sample ID: SS07 Lab Sample ID: 890-2398-7 Date Collected: 06/01/22 14:08 Matrix: Solid

Date Received: 06/08/22 14:43

	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	27306	06/10/22 12:47	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27440	06/13/22 22:19	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27527	06/14/22 15:18	SM	XEN MID

Lab Chronicle

Client: Ensolum Job ID: 890-2398-1
Project/Site: Raspberry State 1H SDG: 03D2024048

Client Sample ID: SS07 Lab Sample ID: 890-2398-7

Date Collected: 06/01/22 14:08

Date Received: 06/08/22 14:43

Matrix: Solid

	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			27387	06/13/22 09:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27314	06/10/22 15:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27330	06/12/22 04:01	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	27515	06/14/22 13:35	SC	XEN MID
Soluble	Analysis	300.0		1			27548	06/16/22 00:47	CH	XEN MID

Laboratory References:

XEN 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: 890-2398-1 Project/Site: Raspberry State 1H

SDG: 03D2024048

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	T104704400-21-22	06-30-22
The following analytes the agency does not of	• •	it the laboratory is not certifi	ed by the governing authority. This list ma	ay include analytes fo
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	Total TPH	

Method Summary

Client: Ensolum
Project/Site: Raspberry State 1H

Job ID: 890-2398-1 SDG: 03D2024048

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Carlsbad

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Sample Summary

Client: Ensolum

Project/Site: Raspberry State 1H

Job ID: 890-2398-1

SDG: 03D2024048

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2398-1	SS01	Solid	06/01/22 12:28	06/08/22 14:43	0.5'
890-2398-2	SS02	Solid	06/01/22 12:33	06/08/22 14:43	0.5'
890-2398-3	SS03	Solid	06/01/22 12:45	06/08/22 14:43	0.5'
890-2398-4	SS04	Solid	06/01/22 13:40	06/08/22 14:43	0.5'
890-2398-5	SS05	Solid	06/01/22 13:55	06/08/22 14:43	0.5'
890-2398-6	SS06	Solid	06/01/22 13:59	06/08/22 14:43	0.5'
890-2398-7	SS07	Solid	06/01/22 14:08	06/08/22 14:43	0.5'

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Environment Testing Mids

X0300

City, State ZIP:

Midland, TX 79701

601 N Marienfeld St Suite 400

Address: City, State ZIP:

Midland, TX 79701

601 N Marienfeld St Suite 400

Bill to: (if different)
Company Name:

Kalei Jennigns Ensolum, LLC

Project Manager: Company Name:

Kalei Jennings

Ensolum, LLC

Address:

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

Project Number:	Paysed Date 08/25/2020 Bey 2020 2					6									
Preservative None: NO Cool: Cool HcL: HC H ₂ S0 ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NaSIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH NaOH+Ascorbic A Sample Co Na Sr TI Sn U V A / / 245.1 / 7470 / 7							ee	618	*		B	200	5		
Preservatin None: NO Cool: Cool HCL: HC H ₂ S0 ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NASO ₃ Zn Acetate+NAOH NAOH+Ascorbic <i>I</i> Sample Co Sample Co Na Sr TI Sn U V 1/245.1/7470 / 7	Date/Time	(Signature)	Received by: (d by: (Signature)	Relinquishe		ate/Time			ature)	d by: (Signa	Receive		gnature)	Relinquished by: (Si
Preservativ None: NO Cool: Cool HcL: HC H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₃ : NABIS Na ₂ S ₂ O ₃ : NASO ₃ Zn Acetate+NaOH NaOH+Ascorbic A Sample Co		nditions control negotiated.	standard terms and con- ircumstances beyond the forced unless previously r	d subcontractors. It assigns nt if such losses are due to cl yzed. These terms will be enfo	co, its affiliates and notined by the ciler enco, but not analy	urofins Xene expenses in Eurofins X	pany to Eu losses or e bmitted to	cilent corr ly for any sample su	rder from sponsibility for each	purchase o sume any re charge of \$1	stitutes a valid nd shall not ass project and a	f samples con of samples ar pplied to each	uishment o for the cost 00 will be a	nent and reling be liable only charge of \$85.	tice: Signature of this docun service. Eurofins Xenco will Eurofins Xenco. A minimum
Pri	1/4/0 / /4/1	g: 1631 / 245.1 /	g TI U Hg	Pb Mn Mo Ni Se A	Cr Co Cu	a Be Co	As Ba	;RA SI	0: 8RC	SPLP 601	TCLP / S	ed	e analyz	letal(s) to b	ircle Method(s) and M
Bir Fo33-2013 Email Security State 1H Trum Around Available Security Preservath Name: G03D2024048 Classing Classing Classing Conner Shore TaY starts five day received by A.50cm Fox Name: Conner Shore TaY starts five day received by Code Fox Name: Conner Shore TaY starts five day received by Code Fox Name: Conner Shore TaY starts five day received by A.50cm Fox Name: Tay starts five day received by A.50cm Fox Name: Tay starts five day received by Code Fox Name: Tay starts five day received by A.50cm Fox Name: Tay starts five day received by A.50cm Fox Name: Tay starts five day received by A.50cm Fox Name: Tay starts five day received by A.50cm Fox Name: Tay starts five day received by A.50cm Fox Name: Tay starts five day received by A.50cm Fox Name: Tay starts five day received by A.50cm Fox Name: Tay starts five day received by A.50cm Fox Name: Tay starts five day received by A.50cm Fox Name: Tay starts five day received by A.50cm Fox Name: Tay starts five day received by A.50cm Fox Name: Tay starts five day received by A.50cm Fox Name: Tay starts five day received by A.50cm Fox Name: Tay starts five day received by A.50cm Fox Name: Tay starts five day received by A.50cm Fox Name: Tay starts five day received by A.50cm Fox Name: Tay starts five day received by A.50cm Fox Name: Tay starts five day received by A.50cm Fox Name: Tay starts five day received by A.50cm Tay starts five day received by A.50	I Sn U V Zn	SiO ₂ Na Sr T	Mo Ni K Se Ag	u Fe	Ca C	œ	As Ba		xas 11			8	020:	200.8 / 6	Total 200.7 / 6010
Range Trady-colds															ſ
Raspberry State 1H								-					7		1
Raspberry State 1H Turn Around Preservatify Number: 03D2024048 Preservatify Preservatify Number: 03D2024048 Preservatify Preservatify Number: 03D2024048 Preservatify Prese						L	-	-							
Range: Raspberry State 1H						×	\vdash	┢	G	0.5'	1408	06.01.22			SS07
Name Raspberry State 1H Turn Around Preservatify Number O302024048 Gardine Conner Shore TAT starts the day received by 4 30pm Freshold Freshol						×	\vdash	\vdash	G	0.5	1359	06.01.22			SS06
Name: Raspberry State 1H						×	\vdash	-	G	0.5'	1355	06.01.22			SS05
Name: Raspberry State 1H Turn Around Preservatity Number: O3D2024048 Conner Shore TAT stats the day received by 1 s Received Intact: Temp Blank: Temp						×	-		G	0.5	1340	06.01.22			SS04
Name: Raspberry State 1H Turn Around Fresh Number: ANALYSIS REQUEST Preservative Due Date: Location: 03D2024048 □ Routine □ Rush □ Rush Code Code Cool: Cool Location: Conner Shore TAT stants the day received by 4:30pm Presh No Code Cool: Cool *** S Name: Conner Shore TAT stants the day received by 4:30pm *** Presh No Code Cool: Cool *** S Name: Conner Shore Tat stants the day received by 4:30pm *** Presh No No Presh No No *** S Name: *** No No Thermometer ID: *** No						×	\vdash	-	G	0.5	1245	06.01.22			SS03
Name: Raspberry State 1H Turn Around Preservative Location: ANALYSIS REQUEST Preservative Mone: NO Location: 03D2024048 □ Routine □ Rush Press ANALYSIS REQUEST No none: NO Location: 03D2024048 □ Routine □ Rush Press No None: NO Location: Conner Shore TAT starts the day received by 4:30pm Press No He lab. if received by 4:30pm No No He lab. if received by 4:30pm Press No He lab. if received by 4:30pm No He lab. if received by 4:30pm						×		\vdash	G	0.5	1233	06.01.22			\$\$02
Name: Raspberry State 1H Turn Around Preservatii Number: O3D2024048 Due Date: TAT starts the day received by 4:30pm she lab. if received by 4:30pm she lab. if received lntact: Press No Received Intact: Received Intact: Press No Received Intact: Press No Received Inta						×	\vdash	-	G	0.5'	1228	06.01.22			SS01
Name: Raspberry State 1H Turn Around Preservatin Number: 03D2024048 □ Routine □ Rush Code Location: 03D2024048 □ Routine □ Rush Code TAT starts the day received by 4:30pm the lab, if received by 4:30pm the lab, if received by 4:30pm Seceived Intact: Yes No N/A Temperature Reading: 3.4 Exposure Page 15 88 890-2398 Chain of Custody Custody Seals: Yes No N/A Temperature: 3.9 Bank: Yes No N/A Temperature Reading: 3.4 Bank: Yes No N/A Temperature	ample Comments	Ç,				втех	-		Grab/ Comp	Depth	Time Sampled	Date Sampled	Matrix	ation	Sample Identific
Name: Raspberry State 1H Turn Around Preservativ Number: 03D2024048	+Ascorbic Acid: SAPC	NaCH+			890-239	(802			0	2	emperature:	Corrected To	(Total Containers:
Name: Raspberry State 1H Turn Around Preservativ Number: 03D2024048	xtate+NaOH: Zn	Zn Ace				1	3 (E	0.45	4	3	Reading:	Temperature	N/A	1	Sample Custody Seals:
Name: Raspberry State 1H Turn Around Preservativ Number: 03D2024048	O ₃ : NaSO ₃	Na ₂ S ₂ C					ra.		D	3-	actor:	Correction F	STATE OF THE PARTY	1 1	Cooler Custody Seals:
Name: Raspberry State 1H Turn Around Preservativ Number: 03D2024048	O4: NABIS	NaHSC							00,7	7.7	y ID:	Thermomete		1	Samples Received Intact:
Name: Raspberry State 1H Turn Around Preservative Number: 03D2024048	Ŧ	H ₃ PO ₄ :							8	(Eg)	Wet ice:	No No	Blank:	Temp E	SAMPLE RECEIPT
Name: Raspberry State 1H Turn Around Preservative Number: 03D2024048 ☑ Routine ☐ Rush Preservative Location: Due Date: ☐ Cool: Cool r's Name: Conner Shore TAT starts the day received by ANALYSIS REQUEST Preservative ANALYSIS REQUEST None: NO Cool: Cool Cool: Cool HCL: HC		H ₂ S0 ₄ :	-	_	_			ers	:30pm	ceived by 4	the lab, if red				PO#:
Name: Raspberry State 1H Turn Around Preservative Number: 03D2024048 ☑ Routine ☐ Rush Preservative ANALYSIS REQUEST Preservative Location: Due Date: ☐ Cool: Cool Cool: Cool Cool: Cool		HCL: H							ved by	e day rece	TAT starts th		er Shore	Conn	Sampler's Name:
Name: Raspberry State 1H Turn Around Pres. Name: 03D2024048 ☑ Routine □ Rush Code ANALYSIS REQUEST Preservativ		Cool: C					_				Due Date:				Project Location:
Name: Raspberry State 1H Turn Around ANALYSIS REQUEST		None: N					-	Code		Rush	☑ Routine		2024048	03D;	Project Number:
817-683-2503 Email KenningsWensowin.com	reservative Codes	P		ALYSIS REQUEST	AN					Around	Turr	Ŧ	rry State	Raspbe	Project Name:
								Olulli.cc	Simeris	Klenining	Email			-683-2503	Phone: 81/

Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-2398-1 SDG Number: 03D2024048

Login Number: 2398 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.	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: 890-2398-1 SDG Number: 03D2024048

List Source: Eurofins Midland

Login Number: 2398 List Number: 2 List Creation: 06/10/22 11:28 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	





ANALYTICAL REPORT

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

Laboratory Job ID: 890-2416-1

Laboratory Sample Delivery Group: 03E20240048 Client Project/Site: Rasberry Sate Com 001H

For:

eurofins 🔆

Ensolum 705 W. Wadley Suite 210 Midland, Texas 79701

Attn: Kalei Jennings

RAMER

Authorized for release by: 6/22/2022 12:08:03 PM

Jessica Kramer, Project Manager (432)704-5440

Jessica.Kramer@et.eurofinsus.com

EOL

Have a Question?

.....LINKS

Review your project results through

Received by OCD: 10/10/2022 9:54:02 AM

Visit us at: www.eurofinsus.com/Env

Released to Imaging: 10/26/2022 2:48:49 PM

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: Rasberry Sate Com 001H Laboratory Job ID: 890-2416-1 SDG: 03E20240048

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Definitions/Glossary

Job ID: 890-2416-1 Client: Ensolum Project/Site: Rasberry Sate Com 001H

SDG: 03E20240048

Qualifiers

GC VOA

Qualifier **Qualifier Description** F1 MS and/or MSD recovery exceeds control limits. F2 MS/MSD RPD exceeds control limits

S1-Surrogate recovery exceeds control limits, low biased.

U Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

Qualifier **Qualifier Description**

U Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report. Listed under the "D" column to designate that the result is reported on a dry weight basis %R Percent Recovery **CFL** Contains Free Liquid CFU Colony Forming Unit CNF Contains No Free Liquid DER Duplicate Error Ratio (normalized absolute difference) Dil Fac **Dilution Factor** DL Detection Limit (DoD/DOE)

DL, RA, RE, IN

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

Decision Level Concentration (Radiochemistry) DLC

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

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

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**

Presumptive **PRES** QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry)

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

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

TNTC Too Numerous To Count

Case Narrative

Client: Ensolum

Project/Site: Rasberry Sate Com 001H

Job ID: 890-2416-1

SDG: 03E20240048

Job ID: 890-2416-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-2416-1

Receipt

The samples were received on 6/15/2022 12:26 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 5.0° C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 880-27795 and analytical batch 880-27853 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (820-4625-A-1-B MS). 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: FS05 (890-2416-5). 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: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-27655 and analytical batch 880-27649 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 880-27655 and analytical batch 880-27649 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

HPLC/IC

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

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4.0

14

Matrix: Solid

Client: Ensolum Job ID: 890-2416-1

Project/Site: Rasberry Sate Com 001H SDG: 03E20240048

Client Sample ID: FS01 Lab Sample ID: 890-2416-1 Date Collected: 06/14/22 12:55 Date Received: 06/15/22 12:26

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		06/17/22 10:04	06/18/22 17:28	1
Toluene	<0.00201	U	0.00201	mg/Kg		06/17/22 10:04	06/18/22 17:28	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		06/17/22 10:04	06/18/22 17:28	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		06/17/22 10:04	06/18/22 17:28	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		06/17/22 10:04	06/18/22 17:28	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		06/17/22 10:04	06/18/22 17:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130			06/17/22 10:04	06/18/22 17:28	1
1,4-Difluorobenzene (Surr)	108		70 - 130			06/17/22 10:04	06/18/22 17:28	1
Method: Total BTEX - Total BTEX	X Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			06/20/22 15:31	1
Analyte Total TPH	- Kesuit <50.0	Qualifier U	RL	Unit mg/Kg	D	Prepared	Analyzed 06/16/22 15:30	Dil Fa
Total TPH	<50.0	U	50.0	mg/Kg			06/16/22 15:30	1
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)						
Analyte								
	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
5 5	Result <50.0		RL 50.0	Unit mg/Kg	<u>D</u>	Prepared 06/16/22 08:31	Analyzed 06/16/22 14:27	
5 5		U *1			<u>D</u>			1
C10-C28)	<50.0 <50.0	U *1	50.0	mg/Kg	<u>D</u>	06/16/22 08:31 06/16/22 08:31	06/16/22 14:27 06/16/22 14:27	1
(GRO)-C6-C10 Diesel Range Organics (Over	<50.0	U *1	50.0	mg/Kg	<u>D</u>	06/16/22 08:31	06/16/22 14:27	1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<50.0 <50.0 <50.0 %Recovery	U*1 U	50.0 50.0 50.0 <i>Limits</i>	mg/Kg	<u>D</u>	06/16/22 08:31 06/16/22 08:31 06/16/22 08:31 <i>Prepared</i>	06/16/22 14:27 06/16/22 14:27 06/16/22 14:27 Analyzed	1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<50.0 <50.0 <50.0 < %Recovery 91	U*1 U	50.0 50.0 50.0	mg/Kg	<u>D</u>	06/16/22 08:31 06/16/22 08:31 06/16/22 08:31	06/16/22 14:27 06/16/22 14:27 06/16/22 14:27	1 1 1 Dil Fac
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	<50.0 <50.0 <50.0 %Recovery	U*1 U	50.0 50.0 50.0 <i>Limits</i>	mg/Kg	<u>D</u>	06/16/22 08:31 06/16/22 08:31 06/16/22 08:31 <i>Prepared</i>	06/16/22 14:27 06/16/22 14:27 06/16/22 14:27 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	<50.0 <50.0 <50.0 <50.0 %Recovery 91 97 omatography -	U*1 U Qualifier	50.0 50.0 50.0 Limits 70 - 130	mg/Kg	<u>D</u>	06/16/22 08:31 06/16/22 08:31 06/16/22 08:31 Prepared 06/16/22 08:31	06/16/22 14:27 06/16/22 14:27 06/16/22 14:27 Analyzed 06/16/22 14:27	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	<50.0 <50.0 <50.0 <50.0 %Recovery 91 97 omatography -	U*1 U Qualifier	50.0 50.0 50.0 Limits 70 - 130	mg/Kg	<u>D</u>	06/16/22 08:31 06/16/22 08:31 06/16/22 08:31 Prepared 06/16/22 08:31	06/16/22 14:27 06/16/22 14:27 06/16/22 14:27 Analyzed 06/16/22 14:27	Dil Fac

Client Sample ID: FS02 Lab Sample ID: 890-2416-2 Matrix: Solid

Date Collected: 06/14/22 13:00 Date Received: 06/15/22 12:26

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/17/22 10:04	06/18/22 18:34	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/17/22 10:04	06/18/22 18:34	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/17/22 10:04	06/18/22 18:34	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		06/17/22 10:04	06/18/22 18:34	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/17/22 10:04	06/18/22 18:34	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		06/17/22 10:04	06/18/22 18:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130			06/17/22 10:04	06/18/22 18:34	1

Job ID: 890-2416-1

Client: Ensolum Project/Site: Rasberry Sate Com 001H SDG: 03E20240048

Client Sample ID: FS02

Date Collected: 06/14/22 13:00 Date Received: 06/15/22 12:26

Sample Depth: 0.5

Lab Sample ID: 890-2416-2

Matrix: Solid

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

Surrogate		Qualifier Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	107	70 - 13	06/17/22 10:04	06/18/22 18:34	1

Method:	Total BTEX	- Total BTEX	Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00399	U	0.00399	mg/Kg			06/20/22 15:31	1

Mothod: 8015 NM	Diosal Range	Organice	(DRO) (GC)

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9 U	49.9	ma/Ka			06/16/22 15:30	1

Method: 8015B	NM Discol	Dange Ore	aaniee (DD()) (CC)
MICHIOU. OU IOD	INIVI - DIESEI	Rallue Oli	ualiics lunc	JI (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U *1	49.9	mg/Kg		06/16/22 08:31	06/16/22 14:48	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		06/16/22 08:31	06/16/22 14:48	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/16/22 08:31	06/16/22 14:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac

Surroyate	70Necovery	Quanner	Lillits		rrepareu	Allalyzeu	DII Fac
1-Chlorooctane	91		70 - 130	06	6/16/22 08:31	06/16/22 14:48	1
o-Terphenyl	98		70 - 130	06	6/16/22 08:31	06/16/22 14:48	1
_							

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	196		5.04	mg/Kg	,		06/22/22 05:15	1

Client Sample ID: FS03 Lab Sample ID: 890-2416-3 Matrix: Solid

Date Collected: 06/14/22 14:30 Date Received: 06/15/22 12:26

Sample Depth: 1

mounda. our ib volutile orga	ino compoundo ((00)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		06/17/22 10:04	06/18/22 18:55	1
Toluene	< 0.00199	U	0.00199	mg/Kg		06/17/22 10:04	06/18/22 18:55	1
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		06/17/22 10:04	06/18/22 18:55	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		06/17/22 10:04	06/18/22 18:55	1
o-Xylene	< 0.00199	U	0.00199	mg/Kg		06/17/22 10:04	06/18/22 18:55	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/17/22 10:04	06/18/22 18:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130			06/17/22 10:04	06/18/22 18:55	1
1,4-Difluorobenzene (Surr)	104		70 - 130			06/17/22 10:04	06/18/22 18:55	1

Mothod:	Total RT	EY - Tota	I DTEY	Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	ma/Ka			06/20/22 15:31	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			06/16/22 15:30	1

Matrix: Solid

Matrix: Solid

Lab Sample ID: 890-2416-3

Client Sample Results

Client: Ensolum Job ID: 890-2416-1 Project/Site: Rasberry Sate Com 001H SDG: 03E20240048

Client Sample ID: FS03

Date Collected: 06/14/22 14:30 Date Received: 06/15/22 12:26

Sample Depth: 1

Method: 8015B NM - Diesel Rang	, ,	, , ,			_			
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U *1	50.0	mg/Kg		06/16/22 08:31	06/16/22 15:10	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		06/16/22 08:31	06/16/22 15:10	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/16/22 08:31	06/16/22 15:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130			06/16/22 08:31	06/16/22 15:10	1
o-Terphenyl	95		70 - 130			06/16/22 08:31	06/16/22 15:10	1
- Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2630		25.0	mg/Kg			06/22/22 05:25	5

Lab Sample ID: 890-2416-4 **Client Sample ID: FS04**

Date Collected: 06/14/22 14:35 Date Received: 06/15/22 12:26

Sample Depth: 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		06/17/22 10:04	06/18/22 19:16	1
Toluene	< 0.00199	U	0.00199	mg/Kg		06/17/22 10:04	06/18/22 19:16	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		06/17/22 10:04	06/18/22 19:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		06/17/22 10:04	06/18/22 19:16	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		06/17/22 10:04	06/18/22 19:16	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/17/22 10:04	06/18/22 19:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130			06/17/22 10:04	06/18/22 19:16	1
1,4-Difluorobenzene (Surr)	108		70 - 130			06/17/22 10:04	06/18/22 19:16	1
Method: Total BTEX - Total BTEX	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			06/20/22 15:31	1
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			06/16/22 15:30	1
Method: 8015B NM - Diesel Rang	je Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9	mg/Kg		06/16/22 08:31	06/16/22 15:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		06/16/22 08:31	06/16/22 15:32	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/16/22 08:31	06/16/22 15:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130			06/16/22 08:31	06/16/22 15:32	1
	96		70 - 130			06/16/22 08:31	06/16/22 15:32	

Job ID: 890-2416-1

Matrix: Solid

Lab Sample ID: 890-2416-4

Client: Ensolum Project/Site: Rasberry Sate Com 001H SDG: 03E20240048

Client Sample ID: FS04

Date Collected: 06/14/22 14:35 Date Received: 06/15/22 12:26

Sample Depth: 1

Method: 300.0 - Anions, Ion Chrom	natography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1130		24.9	mg/Kg			06/22/22 05:52	5

Client Sample ID: FS05 Lab Sample ID: 890-2416-5 Matrix: Solid

Date Collected: 06/14/22 14:40 Date Received: 06/15/22 12:26

Sample Depth: 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200	mg/Kg		06/17/22 10:04	06/18/22 19:36	
Toluene	<0.00200	U	0.00200	mg/Kg		06/17/22 10:04	06/18/22 19:36	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/17/22 10:04	06/18/22 19:36	
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		06/17/22 10:04	06/18/22 19:36	
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/17/22 10:04	06/18/22 19:36	
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		06/17/22 10:04	06/18/22 19:36	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	52	S1-	70 - 130			06/17/22 10:04	06/18/22 19:36	
1,4-Difluorobenzene (Surr)	104		70 - 130			06/17/22 10:04	06/18/22 19:36	1
· Method: Total BTEX - Total BTE)	(Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			06/20/22 15:31	1
Method: 8015 NM - Diesel Range	Organics (DR)	O) (GC)						
_	•	O) (GC) Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	•	Qualifier		Unit mg/Kg	<u>D</u>	Prepared	Analyzed 06/16/22 15:30	
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range		Qualifier U			<u>D</u>	Prepared		
Analyte Total TPH Method: 8015B NM - Diesel Ranç	Result <50.0	Qualifier U			<u>D</u>	Prepared	06/16/22 15:30	1
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	Result <50.0	Qualifier U RO) (GC) Qualifier	50.0	mg/Kg				Dil Fac
Analyte	result <50.0 Result Companies (Discussion Re	Qualifier U RO) (GC) Qualifier U *1	50.0	mg/Kg		Prepared	06/16/22 15:30 Analyzed	Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.0 Ge Organics (Dige Result <50.0)	Qualifier U RO) (GC) Qualifier U *1	50.0 RL 50.0	mg/Kg Unit mg/Kg		Prepared 06/16/22 08:31	06/16/22 15:30 Analyzed 06/16/22 16:20	Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <50.0	Qualifier U RO) (GC) Qualifier U *1 U	50.0 RL 50.0 50.0	mg/Kg Unit mg/Kg mg/Kg		Prepared 06/16/22 08:31	06/16/22 15:30 Analyzed 06/16/22 16:20 06/16/22 16:20	Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <50.0	Qualifier U RO) (GC) Qualifier U *1 U	50.0 RL 50.0 50.0 50.0	mg/Kg Unit mg/Kg mg/Kg		Prepared 06/16/22 08:31 06/16/22 08:31	Analyzed 06/16/22 16:20 06/16/22 16:20 06/16/22 16:20	Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result	Qualifier U RO) (GC) Qualifier U *1 U	50.0 RL 50.0 50.0 50.0 Limits	mg/Kg Unit mg/Kg mg/Kg		Prepared 06/16/22 08:31 06/16/22 08:31 06/16/22 08:31 Prepared	Analyzed 06/16/22 15:30 Analyzed 06/16/22 16:20 06/16/22 16:20 Analyzed	Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rang 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 RO) (GC) Qualifier U *1 U Qualifier	50.0 RL 50.0 50.0 50.0 Limits 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 06/16/22 08:31 06/16/22 08:31 06/16/22 08:31 Prepared 06/16/22 08:31	Analyzed 06/16/22 16:20 06/16/22 16:20 06/16/22 16:20 Analyzed 06/16/22 16:20	Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U RO) (GC) Qualifier U *1 U Qualifier	50.0 RL 50.0 50.0 50.0 Limits 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 06/16/22 08:31 06/16/22 08:31 06/16/22 08:31 Prepared 06/16/22 08:31	Analyzed 06/16/22 16:20 06/16/22 16:20 06/16/22 16:20 Analyzed 06/16/22 16:20	Dil Fac

Matrix: Solid

Lab Sample ID: 890-2416-6

Client Sample Results

Client: Ensolum Job ID: 890-2416-1 Project/Site: Rasberry Sate Com 001H SDG: 03E20240048

Client Sample ID: FS06

Date Collected: 06/14/22 13:25 Date Received: 06/15/22 12:26

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200	mg/Kg		06/17/22 10:04	06/18/22 19:57	
Toluene	<0.00200	U	0.00200	mg/Kg		06/17/22 10:04	06/18/22 19:57	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/17/22 10:04	06/18/22 19:57	
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		06/17/22 10:04	06/18/22 19:57	
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/17/22 10:04	06/18/22 19:57	
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		06/17/22 10:04	06/18/22 19:57	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	97		70 - 130			06/17/22 10:04	06/18/22 19:57	
1,4-Difluorobenzene (Surr)	103		70 - 130			06/17/22 10:04	06/18/22 19:57	
Method: Total BTEX - Total BT	EX Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00401	U	0.00401	mg/Kg			06/20/22 15:31	-
Method: 8015 NM - Diesel Rang	ne Organics (DR)	O) (GC)						
Analyte	•	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	338		49.9	mg/Kg			06/16/22 15:30	
Method: 8015B NM - Diesel Ra	nge Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9	mg/Kg		06/16/22 08:31	06/16/22 16:42	
Diesel Range Organics (Over C10-C28)	221		49.9	mg/Kg		06/16/22 08:31	06/16/22 16:42	
Oll Range Organics (Over C28-C36)	117		49.9	mg/Kg		06/16/22 08:31	06/16/22 16:42	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	87		70 - 130			06/16/22 08:31	06/16/22 16:42	
o-Terphenyl	87		70 - 130			06/16/22 08:31	06/16/22 16:42	
Method: 300.0 - Anions, Ion Ch	romatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	380		4.99	mg/Kg			06/22/22 06:11	

Surrogate Summary

Client: Ensolum Job ID: 890-2416-1
Project/Site: Rasberry Sate Com 001H SDG: 03E20240048

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)	
20-4625-A-1-B MS	Matrix Spike	64 S1-	118	
20-4625-A-1-C MSD	Matrix Spike Duplicate	109	83	
90-2416-1	FS01	90	108	
90-2416-2	FS02	90	107	
90-2416-3	FS03	94	104	
90-2416-4	FS04	94	108	
90-2416-5	FS05	52 S1-	104	
90-2416-6	FS06	97	103	
CS 880-27795/1-A	Lab Control Sample	95	93	
CSD 880-27795/2-A	Lab Control Sample Dup	101	98	
1B 880-27795/5-A	Method Blank	92	105	
Surrogate Legend				

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-15959-A-5-D MS	Matrix Spike	82	77	
880-15959-A-5-E MSD	Matrix Spike Duplicate	82	78	
390-2416-1	FS01	91	97	
390-2416-2	FS02	91	98	
390-2416-3	FS03	88	95	
390-2416-4	FS04	90	96	
90-2416-5	FS05	89	94	
90-2416-6	FS06	87	87	
.CS 880-27655/2-A	Lab Control Sample	94	96	
CSD 880-27655/3-A	Lab Control Sample Dup	88	90	
MB 880-27655/1-A	Method Blank	84	95	

OTPH = o-Terphenyl

Client: Ensolum Job ID: 890-2416-1 Project/Site: Rasberry Sate Com 001H SDG: 03E20240048

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-27795/5-A

Matrix: Solid Analysis Batch: 27853 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27795

ı		MB	MR						
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Benzene	<0.00200	U	0.00200	mg/Kg		06/17/22 10:04	06/18/22 11:53	1
	Toluene	<0.00200	U	0.00200	mg/Kg		06/17/22 10:04	06/18/22 11:53	1
	Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/17/22 10:04	06/18/22 11:53	1
	m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		06/17/22 10:04	06/18/22 11:53	1
	o-Xylene	<0.00200	U	0.00200	mg/Kg		06/17/22 10:04	06/18/22 11:53	1
	Xylenes, Total	< 0.00400	U	0.00400	mg/Kg		06/17/22 10:04	06/18/22 11:53	1
ı									

MB MB

MD MD

Surrogate	%Recovery C	Qualifier Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92	70 - 13	06/17/22 10:04	06/18/22 11:53	1
1.4-Difluorobenzene (Surr)	105	70 - 13	0 06/17/22 10:04	06/18/22 11:53	1

Lab Sample ID: LCS 880-27795/1-A

Matrix: Solid

Analysis Batch: 27853

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 27795

LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.09798 mg/Kg 98 70 - 130 Toluene 0.100 0.1110 mg/Kg 111 70 - 130 0.100 0.09763 Ethylbenzene mg/Kg 98 70 - 130 0.200 0.1901 95 70 - 130 m-Xylene & p-Xylene mg/Kg 0.100 0.1039 70 - 130 o-Xylene mg/Kg 104

LCS LCS

Surrogate	%Recovery Quali	fier Limits
4-Bromofluorobenzene (Surr)	95	70 - 130
1,4-Difluorobenzene (Surr)	93	70 - 130

Lab Sample ID: LCSD 880-27795/2-A

Matrix: Solid

Analysis Batch: 27853

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 27795

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.09689		mg/Kg		97	70 - 130	1	35	
Toluene	0.100	0.1049		mg/Kg		105	70 - 130	6	35	
Ethylbenzene	0.100	0.09757		mg/Kg		98	70 - 130	0	35	
m-Xylene & p-Xylene	0.200	0.1966		mg/Kg		98	70 - 130	3	35	
o-Xylene	0.100	0.1088		mg/Kg		109	70 - 130	5	35	

LCSD LCSD

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

Lab Sample ID: 820-4625-A-1-B MS

Matrix: Solid

Analysis Batch: 27853

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

Prep Batch: 27795

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U F2 F1	0.0998	0.09872		mg/Kg		99	70 - 130	
Toluene	<0.00200	U	0.0998	0.08032		mg/Kg		80	70 - 130	

Prep Batch: 27795

Prep Type: Total/NA

QC Sample Results

Job ID: 890-2416-1 Client: Ensolum Project/Site: Rasberry Sate Com 001H SDG: 03E20240048

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

Lab Sample ID: 820-4625-A-1-B MS Client Sample ID: Matrix Spike Prep Type: Total/NA

Matrix: Solid Analysis Batch: 27853

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits D <0.00200 U F1 0.0998 0.05492 F1 55 70 - 130 Ethylbenzene mg/Kg m-Xylene & p-Xylene <0.00401 UF1 0.200 0.1005 F1 mg/Kg 50 70 - 130 0.0998 0.05611 F1 56 70 - 130 o-Xylene <0.00200 UF1 mg/Kg

MS MS Surrogate Qualifier Limits %Recovery 70 - 130 4-Bromofluorobenzene (Surr) 64 1,4-Difluorobenzene (Surr) 70 - 130 118

Lab Sample ID: 820-4625-A-1-C MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 27853

Prep Batch: 27795 Sample Sample Spike MSD MSD RPD Result Qualifier %Rec RPD Added Result Qualifier Limits Limit Analyte Unit D Benzene <0.00200 U F2 F1 0.0994 0.05702 F2 F1 mg/Kg 57 70 - 130 54 35 Toluene <0.00200 0.0994 0.07275 mg/Kg 73 70 - 130 10 35 0.0994 0.06123 F1 62 70 - 130 11 35 Ethylbenzene < 0.00200 U F1 mg/Kg m-Xylene & p-Xylene < 0.00401 UF1 0.199 0.1232 F1 mg/Kg 61 70 - 130 20 35 70 - 130 0.0994 0.06770 F1 68 o-Xylene <0.00200 U F1 mg/Kg 19 35

MSD MSD Qualifier Limits Surrogate %Recovery 4-Bromofluorobenzene (Surr) 109 70 - 130 1,4-Difluorobenzene (Surr) 83 70 - 130

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

Lab Sample ID: MB 880-27655/1-A Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA Prep Batch: 27655

Analysis Batch: 27649

мв мв Result Qualifier RL Unit D Prepared Dil Fac Analyte Analyzed 06/16/22 08:31 <50.0 U 50.0 06/16/22 10:25 Gasoline Range Organics mg/Kg (GRO)-C6-C10 06/16/22 08:31 06/16/22 10:25 Diesel Range Organics (Over <50.0 U 50.0 mg/Kg C10-C28) OII Range Organics (Over C28-C36) <50.0 U 50.0 06/16/22 08:31 06/16/22 10:25 mg/Kg

MB MB %Recovery Dil Fac Qualifier Limits Prepared Analyzed Surrogate 1-Chlorooctane 84 70 - 130 06/16/22 08:31 06/16/22 10:25 95 70 - 130 06/16/22 08:31 06/16/22 10:25 o-Terphenyl

Lab Sample ID: LCS 880-27655/2-A Client Sample ID: Lab Control Sample

Analysis Batch: 27649

Matrix: Solid

LCS LCS %Rec Spike Analyte Added Result Qualifier Unit %Rec Limits 1000 110 1101 70 _ 130 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 974.5 mg/Kg 97 70 - 130

C10-C28)

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Prep Type: Total/NA

Prep Batch: 27655

Project/Site: Rasberry Sate Com 001H

Job ID: 890-2416-1

SDG: 03E20240048

Prep Batch: 27655

Prep Type: Total/NA

Client Sample ID: Matrix Spike

Prep Type: Total/NA

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

Lab Sample ID: LCS 880-27655/2-A **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Solid

Client: Ensolum

Analysis Batch: 27649

LCS LCS Limits

Surrogate %Recovery Qualifier 1-Chlorooctane 94 70 - 130 o-Terphenyl 96 70 - 130

Lab Sample ID: LCSD 880-27655/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 27649

Prep Batch: 27655 Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit 1000 837.8 *1 84 70 - 13027 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 93 927.3 mg/Kg 70 - 1305 20 C10-C28)

LCSD LCSD Surrogate %Recovery Qualifier Limits 70 - 130 1-Chlorooctane 88 70 - 130 o-Terphenyl 90

Lab Sample ID: 880-15959-A-5-D MS

Matrix: Solid

Analysis Batch: 27649

Prep Batch: 27655 MS MS Sample Sample Spike Added Analyte Result Qualifier Result Qualifier Unit D %Rec Limits Gasoline Range Organics <49.9 U *1 998 791.6 mg/Kg 75 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over <49.9 UF1 998 707.8 F1 mg/Kg 69 70 - 130

C10-C28)

MS MS %Recovery Qualifier Surrogate Limits 70 - 130 1-Chlorooctane 82 o-Terphenyl 77 70 - 130

Lab Sample ID: 880-15959-A-5-E MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 27649

Prep Type: Total/NA

Prep Batch: 27655

Sample Sample MSD MSD RPD Spike %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit U *1 999 786.2 Gasoline Range Organics <49.9 74 70 - 130 20 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <49.9 UF1 999 723.6 mg/Kg 70 70 - 130 20 C10-C28)

MSD MSD %Recovery Qualifier Surrogate Limits 1-Chlorooctane 82 70 - 130 78 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

Client Sample ID: FS01

Client Sample ID: FS01

Prep Type: Soluble

Prep Type: Soluble

QC Sample Results

Client: Ensolum Job ID: 890-2416-1
Project/Site: Rasberry Sate Com 001H SDG: 03E20240048

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-27812/1-A

Matrix: Solid

Analysis Batch: 28044

MB MB

 Analyte
 Result Chloride
 Qualifier
 RL Unit
 Unit
 D mg/Kg
 Prepared Prepared
 Analyzed O6/22/22 02:11
 Dil Fac O6/22/22 02:11

Lab Sample ID: LCS 880-27812/2-A

Matrix: Solid

Analysis Batch: 28044

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 263.9 mg/Kg 106 90 - 110

Lab Sample ID: LCSD 880-27812/3-A

Matrix: Solid

Analysis Batch: 28044

LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 265.9 mg/Kg 106 90 - 110

Lab Sample ID: 890-2416-1 MS

Matrix: Solid

Analysis Batch: 28044

MS MS Sample Sample Spike %Rec Analyte Result Qualifier Added Unit %Rec Result Qualifier Limits 1250 Chloride 400 1644 90 - 110 mg/Kg

Lab Sample ID: 890-2416-1 MSD

Matrix: Solid

Analysis Batch: 28044

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 1250 400 1638 mg/Kg 99 90 - 110 0 20

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Client: Ensolum

Project/Site: Rasberry Sate Com 001H

Job ID: 890-2416-1 SDG: 03E20240048

GC VOA

Prep Batch: 27795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2416-1	FS01	Total/NA	Solid	5035	
890-2416-2	FS02	Total/NA	Solid	5035	
890-2416-3	FS03	Total/NA	Solid	5035	
890-2416-4	FS04	Total/NA	Solid	5035	
890-2416-5	FS05	Total/NA	Solid	5035	
890-2416-6	FS06	Total/NA	Solid	5035	
MB 880-27795/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-27795/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-27795/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
820-4625-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
820-4625-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 27853

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2416-1	FS01	Total/NA	Solid	8021B	27795
890-2416-2	FS02	Total/NA	Solid	8021B	27795
890-2416-3	FS03	Total/NA	Solid	8021B	27795
890-2416-4	FS04	Total/NA	Solid	8021B	27795
890-2416-5	FS05	Total/NA	Solid	8021B	27795
890-2416-6	FS06	Total/NA	Solid	8021B	27795
MB 880-27795/5-A	Method Blank	Total/NA	Solid	8021B	27795
LCS 880-27795/1-A	Lab Control Sample	Total/NA	Solid	8021B	27795
LCSD 880-27795/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	27795
820-4625-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	27795
820-4625-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	27795

Analysis Batch: 27972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2416-1	FS01	Total/NA	Solid	Total BTEX	
890-2416-2	FS02	Total/NA	Solid	Total BTEX	
890-2416-3	FS03	Total/NA	Solid	Total BTEX	
890-2416-4	FS04	Total/NA	Solid	Total BTEX	
890-2416-5	FS05	Total/NA	Solid	Total BTEX	
890-2416-6	FS06	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 27649

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2416-1	FS01	Total/NA	Solid	8015B NM	27655
890-2416-2	FS02	Total/NA	Solid	8015B NM	27655
890-2416-3	FS03	Total/NA	Solid	8015B NM	27655
890-2416-4	FS04	Total/NA	Solid	8015B NM	27655
890-2416-5	FS05	Total/NA	Solid	8015B NM	27655
890-2416-6	FS06	Total/NA	Solid	8015B NM	27655
MB 880-27655/1-A	Method Blank	Total/NA	Solid	8015B NM	27655
LCS 880-27655/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	27655
LCSD 880-27655/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	27655
880-15959-A-5-D MS	Matrix Spike	Total/NA	Solid	8015B NM	27655
880-15959-A-5-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	27655

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Client: Ensolum Project/Site: Rasberry Sate Com 001H Job ID: 890-2416-1 SDG: 03E20240048

GC Semi VOA

Prep Batch: 27655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2416-1	FS01	Total/NA	Solid	8015NM Prep	
890-2416-2	FS02	Total/NA	Solid	8015NM Prep	
890-2416-3	FS03	Total/NA	Solid	8015NM Prep	
890-2416-4	FS04	Total/NA	Solid	8015NM Prep	
890-2416-5	FS05	Total/NA	Solid	8015NM Prep	
890-2416-6	FS06	Total/NA	Solid	8015NM Prep	
MB 880-27655/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-27655/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-27655/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-15959-A-5-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-15959-A-5-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 27719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2416-1	FS01	Total/NA	Solid	8015 NM	
890-2416-2	FS02	Total/NA	Solid	8015 NM	
890-2416-3	FS03	Total/NA	Solid	8015 NM	
890-2416-4	FS04	Total/NA	Solid	8015 NM	
890-2416-5	FS05	Total/NA	Solid	8015 NM	
890-2416-6	FS06	Total/NA	Solid	8015 NM	

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Leach Batch: 27812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2416-1	FS01	Soluble	Solid	DI Leach	_
890-2416-2	FS02	Soluble	Solid	DI Leach	
890-2416-3	FS03	Soluble	Solid	DI Leach	
890-2416-4	FS04	Soluble	Solid	DI Leach	
890-2416-5	FS05	Soluble	Solid	DI Leach	
890-2416-6	FS06	Soluble	Solid	DI Leach	
MB 880-27812/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-27812/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-27812/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2416-1 MS	FS01	Soluble	Solid	DI Leach	
890-2416-1 MSD	FS01	Soluble	Solid	DI Leach	

Analysis Batch: 28044

Released to Imaging: 10/26/2022 2:48:49 PM

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2416-1	FS01	Soluble	Solid	300.0	27812
890-2416-2	FS02	Soluble	Solid	300.0	27812
890-2416-3	FS03	Soluble	Solid	300.0	27812
890-2416-4	FS04	Soluble	Solid	300.0	27812
890-2416-5	FS05	Soluble	Solid	300.0	27812
890-2416-6	FS06	Soluble	Solid	300.0	27812
MB 880-27812/1-A	Method Blank	Soluble	Solid	300.0	27812
LCS 880-27812/2-A	Lab Control Sample	Soluble	Solid	300.0	27812
LCSD 880-27812/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	27812
890-2416-1 MS	FS01	Soluble	Solid	300.0	27812
890-2416-1 MSD	FS01	Soluble	Solid	300.0	27812

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Date Received: 06/15/22 12:26

Job ID: 890-2416-1

Client: Ensolum Project/Site: Rasberry Sate Com 001H SDG: 03E20240048

Client Sample ID: FS01 Lab Sample ID: 890-2416-1 Date Collected: 06/14/22 12:55

Matrix: Solid

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab 5035 Total/NA Prep 4.97 g 5 mL 27795 06/17/22 10:04 MR XEN MID 8021B Total/NA Analysis 1 5 mL 5 mL 27853 06/18/22 17:28 MR XEN MID Total/NA Analysis Total BTEX 27972 06/20/22 15:31 SM XEN MID Total/NA 8015 NM XEN MID Analysis 1 27719 06/16/22 15:30 AJ Total/NA 8015NM Prep 10 mL 27655 06/16/22 08:31 XEN MID Prep 10.01 g DM Total/NA Analysis 8015B NM 27649 06/16/22 14:27 AJ XEN MID Soluble DI Leach 50 mL 27812 06/17/22 11:57 SC XEN MID Leach 5 g Soluble Analysis 300.0 5 28044 06/22/22 04:48 CH XEN MID

Client Sample ID: FS02 Lab Sample ID: 890-2416-2

Date Collected: 06/14/22 13:00 **Matrix: Solid**

Date Received: 06/15/22 12:26

	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	27795	06/17/22 10:04	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27853	06/18/22 18:34	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27972	06/20/22 15:31	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27719	06/16/22 15:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27655	06/16/22 08:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27649	06/16/22 14:48	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	27812	06/17/22 11:57	SC	XEN MID
Soluble	Analysis	300.0		1			28044	06/22/22 05:15	CH	XEN MID

Client Sample ID: FS03 Lab Sample ID: 890-2416-3

Date Collected: 06/14/22 14:30 Date Received: 06/15/22 12:26

	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	27795	06/17/22 10:04	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27853	06/18/22 18:55	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27972	06/20/22 15:31	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27719	06/16/22 15:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27655	06/16/22 08:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27649	06/16/22 15:10	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	27812	06/17/22 11:57	SC	XEN MID
Soluble	Analysis	300.0		5			28044	06/22/22 05:25	CH	XEN MID

Lab Sample ID: 890-2416-4 **Client Sample ID: FS04**

Date Collected: 06/14/22 14:35 Date Received: 06/15/22 12:26

	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	27795	06/17/22 10:04	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27853	06/18/22 19:16	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27972	06/20/22 15:31	SM	XEN MID

Eurofins Carlsbad

Matrix: Solid

Matrix: Solid

Client: Ensolum

Project/Site: Rasberry Sate Com 001H

Job ID: 890-2416-1

SDG: 03E20240048

Client Sample ID: FS04

Date Collected: 06/14/22 14:35 Date Received: 06/15/22 12:26

Lab Sample ID: 890-2416-4

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			27719	06/16/22 15:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27655	06/16/22 08:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27649	06/16/22 15:32	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	27812	06/17/22 11:57	SC	XEN MID
Soluble	Analysis	300.0		5			28044	06/22/22 05:52	CH	XEN MID

Client Sample ID: FS05 Lab Sample ID: 890-2416-5

Date Collected: 06/14/22 14:40 Date Received: 06/15/22 12:26

Matrix: Solid

Batch Batch Dil Initial Final Batch Prepared Prep Type Method Amount Amount Number or Analyzed Type Run Factor Analyst Lab 27795 5035 Total/NA Prep 5.00 g 5 mL 06/17/22 10:04 MR XEN MID Total/NA Analysis 8021B 5 mL 5 mL 27853 06/18/22 19:36 MR XEN MID 1 Total/NA Total BTEX 27972 XEN MID Analysis 1 06/20/22 15:31 SM Total/NA Analysis 8015 NM 27719 06/16/22 15:30 XEN MID ΑJ Total/NA Prep 8015NM Prep 10.01 g 10 mL 27655 06/16/22 08:31 DM XEN MID Total/NA Analysis 8015B NM 27649 06/16/22 16:20 AJ XEN MID Soluble Leach DI Leach 5 g 50 mL 27812 06/17/22 11:57 SC XEN MID Soluble Analysis 300.0 1 28044 06/22/22 06:01 CH XEN MID

Client Sample ID: FS06 Lab Sample ID: 890-2416-6

Date Collected: 06/14/22 13:25 Date Received: 06/15/22 12:26

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			4.99 g	5 mL	27795	06/17/22 10:04	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27853	06/18/22 19:57	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27972	06/20/22 15:31	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27719	06/16/22 15:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27655	06/16/22 08:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27649	06/16/22 16:42	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	27812	06/17/22 11:57	SC	XEN MID
Soluble	Analysis	300.0		1			28044	06/22/22 06:11	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum Job ID: 890-2416-1 Project/Site: Rasberry Sate Com 001H SDG: 03E20240048

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	T104704400-21-22	06-30-22
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 certain	ed by the governing authority. This list his	ay include analytes lo
0 ,	• •	Matrix	Analyte	ay illolude allalytes lol
the agency does not of	fer certification.	,	, , ,	ay include arialytes lo

Method Summary

Client: Ensolum

Project/Site: Rasberry Sate Com 001H

Job ID: 890-2416-1

SDG: 03E20240048

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

Protocol References:

ASTM = ASTM International

Released to Imaging: 10/26/2022 2:48:49 PM

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Carlsbad

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Sample Summary

Client: Ensolum

Project/Site: Rasberry Sate Com 001H

Job ID: 890-2416-1

SDG: 03E20240048

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2416-1	FS01	Solid	06/14/22 12:55	06/15/22 12:26	0.5
890-2416-2	FS02	Solid	06/14/22 13:00	06/15/22 12:26	0.5
890-2416-3	FS03	Solid	06/14/22 14:30	06/15/22 12:26	1
890-2416-4	FS04	Solid	06/14/22 14:35	06/15/22 12:26	1
890-2416-5	FS05	Solid	06/14/22 14:40	06/15/22 12:26	1
890-2416-6	FS06	Solid	06/14/22 13:25	06/15/22 12:26	0.5

Revised Date 08/25/2020 Rev. 2020

Date/Time

Received by: (Signature)

Relinquished by: (Signature)

926

CC. 6. 2

Date/Time

Received by: (Signature)

Relinquished by: (Signature)

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 Eurofins Xenco. A minimum charge of \$85.00 will be enforced unless previously negotiated.

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

Environment Testing

eurofins

Xenco

Work Order No:

				Bill to: (if different)	(therent)	Naie	Kalei Jennigns	IIS			MOIN CIGG	WOLK OLDER COMMISSION	
Company Name: Ensor	Ensolum, LLC			Company Name:	Name:	Ens	Ensolum, LLC	S		Program: UST/PST	PRP Bro	wnfields 🗌 RRC	☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐
	601 N Marienfeld St Suite 400	uite 400		Address:		601	N Marie	601 N Marienfeld St Suite 400	400	State of Project:		1	[
te ZIP:	Midland, TX 79701			City, State ZIP:	ZIP:	Midl	Midland, TX 79701	79701		Reporting: Level II Level III PST/UST TRRP L Level IVL	JLevel III ∐P	ST/UST 🗌 TRRI	⊢ Level IVL
	817-683-2503		Email:	Email: kjennings@ensolum.com	@ensoli	um.con				Deliverables: EDD	ADa	ADaPT Other:	
Project Name: Ras	Raspberry State Com 001H	om 001H	Tur	Turn Around					ANALYSIS REQUEST	REQUEST		Preserv	Preservative Codes
j.	03E20240048	18	✓ Routine	□ Rush	Pres. Code	g es						None: NO	DI Water: H ₂ O
Project Location:			Due Date:						_			Cool: Cool	MeOH: Me
Sampler's Name:	Conner Shore	ē	TAT starts the day received by	e day receiv	ed by							HCL: HC	HNO3: HN
PO#:			the lab, if re	the lab, if received by 4:30pm		611						H ₂ S04: H ₂	NaOH: Na
SAMPLE RECEIPT	Temp Blank:	Kes No	Wet loe:	(kes)	S	9 1 90						H₃PO4: HP	
Samples Received Intact:	(Kes) No	Thermome	Thermometer ID: \CLC	C 12-4		101			800 0440			NaHSO4: NABIS	s,
-	Yes No MIA	M/A Correction Factor:	Factor:	E Z	15.0 a				030-2416 C	osu-24 to Chain of Custody		Na ₂ S ₂ O ₃ : NaSO ₃) ₃
Sample Custody Seals:	Yes No NIA	Temperatur	N/A Temperature Reading:	1-NM-007	F 00	3) S			_	-	1	Zn Acetate+NaOH: Zn	OH: Zn
		Corrected 1	Corrected Temperature:			IDE	(610	1208			_	NaOH+Ascorbic Acid: SAPC	c Acid: SAPC
Sample Identification	on Matrix	Date Sampled	Time	Depth	Grab/ # of Comp Cont	снгов)8) H T T) ХЭТ8				Sample	Sample Comments
FS01	v	06.14.22	1255	0.5	C 1	×	×	×				NAPP2	NAPP2213029810
FS02	S	06.14.22	1300	0.5'	၁	×	×	×					
FS03	S	06.14.22	1430	1.	C	×	×	×					
FS04	S	06.14.22	1435	1,	C ,	×	×	×					
FS05	S	06.14.22	1440	1,	O O	×	×	×					
FS06	S	06.14.22	1325	0.5'	0	× ×	×	×					
						+	\perp						
						H							
					-	-							
Total 200.7 / 6010	200.8 / 6020:		BRCRA 13	13PPM Tex	Texas 11 A	Al Sb A	\s Ba	Be B Cd C	a Cr Co Cu Fe	Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K	Se Ag SiO ₂	Se Ag SiO ₂ Na Sr Tl Sn U V Zn	V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg. 163	tal(s) to be analy	vzed	TCLP / §	TCLP / SPLP 6010: 8RCRA	BRCR	A Sb	Sb As Ba	Be Cd Cr	Co Cu Pb Mn Mo Ni	Mo Ni Se Ag TI∪	Hg: 1631	Hg: 1631 / 245.1 / 7470 / 7471	17471

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-2416-1

SDG Number: 03E20240048

List Source: Eurofins Carlsbad

Login Number: 2416 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	

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Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-2416-1

SDG Number: 03E20240048

Login Number: 2416 **List Source: Eurofins Midland** List Number: 2 List Creation: 06/16/22 11:11 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	

<6mm (1/4").



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-2559-1

Laboratory Sample Delivery Group: 03E20240048

Client Project/Site: Rasberry State Com 1

For:

eurofins 🔆

Ensolum 705 W. Wadley Suite 210 Midland, Texas 79701

Attn: Kalei Jennings

RAMER

Authorized for release by: 7/21/2022 9:53:13 AM

Jessica Kramer, Project Manager (432)704-5440

Jessica.Kramer@et.eurofinsus.com

.....LINKS

Received by OCD: 10/10/2022 9:54:02 AM

Review your project results through EOL

Have a Question?



Visit us at:

www.eurofinsus.com/Env Released to Imaging: 10/26/2022 2:48:49 PM

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

Laboratory Job ID: 890-2559-1

Project/Site: Rasberry State Com 1

SDG: 03E20240048

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Definitions/Glossary

Job ID: 890-2559-1 Client: Ensolum Project/Site: Rasberry State Com 1

SDG: 03E20240048

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description**

LCS and/or LCSD is outside acceptance limits, high biased. S1+ Surrogate recovery exceeds control limits, high biased. U 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**

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" Minimum Detectable Activity (Radiochemistry) MDA MDC Minimum Detectable Concentration (Radiochemistry)

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)

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) 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

Case Narrative

Client: Ensolum

Project/Site: Rasberry State Com 1

Job ID: 890-2559-1

SDG: 03E20240048

Job ID: 890-2559-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-2559-1

Receipt

The samples were received on 7/15/2022 10:09 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 4.8°C

GC VOA

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

GC Semi VOA

Method 8015MOD NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-29891/2-A) and (MB 880-29891/1-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The method blank for preparation batch 880-29891 and analytical batch 880-30026 contained Gasoline Range Organics (GRO)-C6-C10, OII Range Organics (Over C28-C36) and Total TPH above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: The laboratory control sample (LCS) for preparation batch 880-29891 and analytical batch 880-30026 recovered outside control limits for the following analytes: <AffectedAnalytes>. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

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.

Matrix: Solid

Lab Sample ID: 890-2559-1

Client Sample Results

Client: Ensolum Job ID: 890-2559-1
Project/Site: Rasberry State Com 1 SDG: 03E20240048

Client Sample ID: FS03A

Date Collected: 07/13/22 10:55 Date Received: 07/15/22 10:09

Sample Depth: 2

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		07/20/22 15:07	07/21/22 06:49	1
Toluene	< 0.00199	U	0.00199	mg/Kg		07/20/22 15:07	07/21/22 06:49	•
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		07/20/22 15:07	07/21/22 06:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		07/20/22 15:07	07/21/22 06:49	
o-Xylene	< 0.00199	U	0.00199	mg/Kg		07/20/22 15:07	07/21/22 06:49	,
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/20/22 15:07	07/21/22 06:49	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	107		70 - 130			07/20/22 15:07	07/21/22 06:49	
1,4-Difluorobenzene (Surr)	90		70 - 130			07/20/22 15:07	07/21/22 06:49	
Method: Total BTEX - Total BTEX	X Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00398	U	0.00398	mg/Kg			07/21/22 08:55	-
_								
Method: 8015 NM - Diesel Range Analyte		O) (GC) Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
_		Qualifier	RL 50.0	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 07/20/22 10:23	
Analyte Total TPH	Result <50.0	Qualifier U			<u>D</u>	Prepared		
Analyte Total TPH Method: 8015B NM - Diesel Rang	Result <50.0	Qualifier U RO) (GC)	50.0	mg/Kg	<u> </u>		07/20/22 10:23	
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte	Result <50.0 ge Organics (Dige Result	Qualifier U RO) (GC) Qualifier	50.0	mg/Kg	<u>D</u>	Prepared	07/20/22 10:23 Analyzed	Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	Result <50.0	Qualifier U RO) (GC) Qualifier	50.0	mg/Kg	<u> </u>		07/20/22 10:23	Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.0 ge Organics (Dige Result	Qualifier U RO) (GC) Qualifier U	50.0	mg/Kg	<u> </u>	Prepared	07/20/22 10:23 Analyzed	Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10		Qualifier U RO) (GC) Qualifier U U *+	50.0 RL 50.0	mg/Kg Unit mg/Kg	<u> </u>	Prepared 07/18/22 08:34	07/20/22 10:23 Analyzed 07/19/22 20:12	Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0	Qualifier U RO) (GC) Qualifier U U *+	50.0 RL 50.0 50.0	mg/Kg Unit mg/Kg mg/Kg	<u> </u>	Prepared 07/18/22 08:34 07/18/22 08:34	07/20/22 10:23 Analyzed 07/19/22 20:12 07/19/22 20:12	Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <50.0	Qualifier U RO) (GC) Qualifier U U *+	50.0 RL 50.0 50.0 50.0	mg/Kg Unit mg/Kg mg/Kg	<u> </u>	Prepared 07/18/22 08:34 07/18/22 08:34 07/18/22 08:34	07/20/22 10:23 Analyzed 07/19/22 20:12 07/19/22 20:12	Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result <50.0	Qualifier U RO) (GC) Qualifier U U *+	50.0 RL 50.0 50.0 50.0 Limits	mg/Kg Unit mg/Kg mg/Kg	<u> </u>	Prepared 07/18/22 08:34 07/18/22 08:34 07/18/22 08:34 Prepared	07/20/22 10:23 Analyzed 07/19/22 20:12 07/19/22 20:12 07/19/22 20:12 Analyzed	Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Range 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 RO) (GC) Qualifier U U*+ U Qualifier	50.0 RL 50.0 50.0 50.0 Limits 70 - 130	mg/Kg Unit mg/Kg mg/Kg	<u> </u>	Prepared 07/18/22 08:34 07/18/22 08:34 07/18/22 08:34 Prepared 07/18/22 08:34	07/20/22 10:23 Analyzed 07/19/22 20:12 07/19/22 20:12 Analyzed 07/19/22 20:12	Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Range 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 RO) (GC) Qualifier U U*+ U Qualifier	50.0 RL 50.0 50.0 50.0 Limits 70 - 130	mg/Kg Unit mg/Kg mg/Kg	<u> </u>	Prepared 07/18/22 08:34 07/18/22 08:34 07/18/22 08:34 Prepared 07/18/22 08:34	07/20/22 10:23 Analyzed 07/19/22 20:12 07/19/22 20:12 Analyzed 07/19/22 20:12	Dil Fac

Client Sample ID: FS04A

Date Collected: 07/13/22 11:10

Date Received: 07/15/22 10:09

Sample Depth: 2

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/20/22 15:07	07/21/22 07:09	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/20/22 15:07	07/21/22 07:09	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/20/22 15:07	07/21/22 07:09	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		07/20/22 15:07	07/21/22 07:09	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/20/22 15:07	07/21/22 07:09	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		07/20/22 15:07	07/21/22 07:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130			07/20/22 15:07	07/21/22 07:09	1

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Lab Sample ID: 890-2559-2

Matrix: Solid

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Matrix: Solid

Client: Ensolum Job ID: 890-2559-1

Project/Site: Rasberry State Com 1 SDG: 03E20240048

Client Sample ID: FS04A Lab Sample ID: 890-2559-2 Date Collected: 07/13/22 11:10 Date Received: 07/15/22 10:09

Sample Depth: 2

Method: 8021B - Volatile Organ	nic Compounds	(GC)	(Continued)	
mothed collis	no compoundo	, – – ,	(-	

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	85	70 - 130	07/20/22 15:07	07/21/22 07:09	1

Method: To	tal BTFX - Tot	tal BTEX Calculation	n

Analyte	Result Qualit		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401 U	0.00401	mg/Kg			07/21/22 08:55	1

ı			
ı	Mothod: 8015 NM -	Diesel Range Organio	e (DRO) (GC)

Analyte	Result Qu	ualifier RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9 U	49.9	mg/Kg			07/20/22 10:23	1

Method: 8015B NM - Diese	I Range Organics	(DRO)	(GC)
moundar of ros run Sido	tungo organioo	()	1/

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		07/18/22 08:34	07/19/22 20:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9	mg/Kg		07/18/22 08:34	07/19/22 20:34	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		07/18/22 08:34	07/19/22 20:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99	70 - 130	07/18/22 08:34	07/19/22 20:34	1
o-Terphenyl	116	70 - 130	07/18/22 08:34	07/19/22 20:34	1

Method: 300.0 - Anions, Ion	Chromatography - Soluble

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	130	5.00	mg/Kg			07/20/22 22:50	1

Client Sample ID: FS05A Lab Sample ID: 890-2559-3 Matrix: Solid

Date Collected: 07/13/22 11:15 Date Received: 07/15/22 10:09

Sample Depth: 1.5

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Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/20/22 15:07	07/21/22 07:29	1
Toluene	0.00225		0.00200	mg/Kg		07/20/22 15:07	07/21/22 07:29	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/20/22 15:07	07/21/22 07:29	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		07/20/22 15:07	07/21/22 07:29	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/20/22 15:07	07/21/22 07:29	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		07/20/22 15:07	07/21/22 07:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130			07/20/22 15:07	07/21/22 07:29	1
1,4-Difluorobenzene (Surr)	102		70 - 130			07/20/22 15:07	07/21/22 07:29	1

Mothod:	Total RTF	Y - Total R	TFX Calculatio	n

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	DII Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			07/21/22 08:55	1

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0 U	50.0	mg/Kg			07/20/22 10:23	1

Job ID: 890-2559-1

Client: Ensolum Project/Site: Rasberry State Com 1 SDG: 03E20240048

Client Sample ID: FS05A Lab Sample ID: 890-2559-3 Date Collected: 07/13/22 11:15

Matrix: Solid

Date Received: 07/15/22 10:09

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		07/18/22 08:34	07/19/22 20:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0	mg/Kg		07/18/22 08:34	07/19/22 20:57	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/18/22 08:34	07/19/22 20:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130			07/18/22 08:34	07/19/22 20:57	1
o-Terphenyl	100		70 - 130			07/18/22 08:34	07/19/22 20:57	1

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac 4.97 07/20/22 23:00 Chloride 112 mg/Kg

Client Sample ID: FS06A Lab Sample ID: 890-2559-4 Date Collected: 07/13/22 11:20 **Matrix: Solid**

Date Received: 07/15/22 10:09

Released to Imaging: 10/26/2022 2:48:49 PM

Sample Depth: 1

Sample Depth: 1.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		07/20/22 15:07	07/21/22 07:50	1
Toluene	<0.00201	U	0.00201	mg/Kg		07/20/22 15:07	07/21/22 07:50	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		07/20/22 15:07	07/21/22 07:50	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		07/20/22 15:07	07/21/22 07:50	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		07/20/22 15:07	07/21/22 07:50	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		07/20/22 15:07	07/21/22 07:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130			07/20/22 15:07	07/21/22 07:50	1
1,4-Difluorobenzene (Surr)	112		70 - 130			07/20/22 15:07	07/21/22 07:50	1
Method: Total BTEX - Total BTEX	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
T-4-I DTEV	<0.00402		0.00400				07/04/00 00 55	
Total BTEX	<0.00402	U	0.00402	mg/Kg			07/21/22 08:55	1
- -			0.00402	mg/Kg			07/21/22 08:55	1
: Method: 8015 NM - Diesel Range	Organics (DR		0.00402 RL	mg/Kg Unit	D	Prepared	07/21/22 08:55 Analyzed	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH	Organics (DR	O) (GC) Qualifier			<u>D</u>	Prepared		Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH	Organics (DR Result <50.0	O) (GC) Qualifier	RL	Unit	<u>D</u>	Prepared	Analyzed	
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Rang	Organics (DR Result <50.0	O) (GC) Qualifier	RL	Unit	<u>D</u>	Prepared Prepared	Analyzed	1
Method: 8015 NM - Diesel Range Analyte	Organics (DR Result <50.0	Qualifier U RO) (GC) Qualifier	RL 50.0	Unit mg/Kg			Analyzed 07/20/22 10:23	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Organics (DR Result <50.0	Qualifier U RO) (GC) Qualifier	RL	Unit mg/Kg		Prepared	Analyzed 07/20/22 10:23 Analyzed	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Organics (DR/Result <50.0 Result < 50.0 Result < 50.0 Result < 50.0	Qualifier U RO) (GC) Qualifier U U *+	RL 50.0	Unit mg/Kg Unit mg/Kg		Prepared 07/18/22 08:34	Analyzed 07/20/22 10:23 Analyzed 07/19/22 21:19	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10	Organics (DR/Result <50.0 Result <50.0 Result <50.0 Result <50.0	Qualifier U RO) (GC) Qualifier U U *+	RL 50.0 50.0 50.0	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 07/18/22 08:34 07/18/22 08:34	Analyzed 07/20/22 10:23 Analyzed 07/19/22 21:19 07/19/22 21:19	1 Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Organics (DR Result <50.0	Qualifier U RO) (GC) Qualifier U U *+	RL 50.0 RL 50.0 50.0 50.0	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 07/18/22 08:34 07/18/22 08:34 07/18/22 08:34	Analyzed 07/20/22 10:23 Analyzed 07/19/22 21:19 07/19/22 21:19 07/19/22 21:19	1 Dil Fac

Client Sample Results

Client: Ensolum Job ID: 890-2559-1
Project/Site: Rasberry State Com 1 SDG: 03E20240048

Client Sample ID: FS06A Lab Sample ID: 890-2559-4

Date Collected: 07/13/22 11:20

Matrix: Solid

Date Received: 07/15/22 10:09

Sample Depth: 1

Method: 300.0 - Anions, Ion Chromatography - Soluble

moundar dedic 7 millions, ion dimon	iatograpily c	0.00.0							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	62.6		4 95	ma/Ka			07/20/22 23:27	1	

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Surrogate Summary

Job ID: 890-2559-1 Client: Ensolum Project/Site: Rasberry State Com 1 SDG: 03E20240048

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

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 (Acceptance Limits)
		1CO1	OTPH1	
_ab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-16985-A-1-E MS	Matrix Spike	86	85	
880-16985-A-1-F MSD	Matrix Spike Duplicate	88	85	
890-2559-1	FS03A	94	110	
390-2559-2	FS04A	99	116	
390-2559-3	FS05A	85	100	
390-2559-4	FS06A	86	101	
LCS 880-29891/2-A	Lab Control Sample	133 S1+	137 S1+	
_CSD 880-29891/3-A	Lab Control Sample Dup	123	126	
MB 880-29891/1-A	Method Blank	129	157 S1+	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: Ensolum Job ID: 890-2559-1 SDG: 03E20240048 Project/Site: Rasberry State Com 1

Method: 8021B - Volatile Organic Compounds (GC)

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

Matrix: Solid

Analysis Batch: 30096

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29817

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/15/22 09:11	07/20/22 12:46	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/15/22 09:11	07/20/22 12:46	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/15/22 09:11	07/20/22 12:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		07/15/22 09:11	07/20/22 12:46	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/15/22 09:11	07/20/22 12:46	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/15/22 09:11	07/20/22 12:46	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared
4-Bromofluorobenzene (Surr)	98		70 - 130	07/15/22 09:1
1,4-Difluorobenzene (Surr)	96		70 - 130	07/15/22 09:1

5/22 09:11 07/20/22 12:46 5/22 09:11 07/20/22 12:46

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

Analyzed

Prep Batch: 30163

Analysis Batch: 30096

Matrix: Solid

Lab Sample ID: MB 880-30163/5-A

	IVID	IVID						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/20/22 15:07	07/21/22 00:45	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/20/22 15:07	07/21/22 00:45	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/20/22 15:07	07/21/22 00:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		07/20/22 15:07	07/21/22 00:45	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/20/22 15:07	07/21/22 00:45	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/20/22 15:07	07/21/22 00:45	1

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Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	07/20/22 15:07	07/21/22 00:45	1
1,4-Difluorobenzene (Surr)	91		70 - 130	07/20/22 15:07	07/21/22 00:45	1

Lab Sample ID: LCS 880-30163/1-A

Matrix: Solid

Analysis Batch: 30096

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

Prep Batch: 30163

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09760		mg/Kg		98	70 - 130	
Toluene	0.100	0.09147		mg/Kg		91	70 - 130	
Ethylbenzene	0.100	0.09166		mg/Kg		92	70 - 130	
m-Xylene & p-Xylene	0.200	0.1917		mg/Kg		96	70 - 130	
o-Xylene	0.100	0.1022		mg/Kg		102	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	101	70 - 130
1,4-Difluorobenzene (Surr)	97	70 - 130

Lab Sample ID: LCSD 880-30163/2-A

Matrix: Solid

Analysis Batch: 30096

Client Sample ID: Lab	Control Sample Dup
	Dren Times Tetal/NIA

Prep Type: Total/NA

Prep Batch: 30163

	Бріке	LCSD LCSD				%Rec		RPD	
Analyte	Added	Result Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.08114	mg/Kg		81	70 - 130	18	35	

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Dil Fac

QC Sample Results

Client: Ensolum Job ID: 890-2559-1 SDG: 03E20240048 Project/Site: Rasberry State Com 1

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

Lab Sample ID: LCSD 880-30163/2-A

Matrix: Solid

Analysis Batch: 30096

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 30163

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Toluene	0.100	0.08827		mg/Kg		88	70 - 130	4	35
Ethylbenzene	0.100	0.08806		mg/Kg		88	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.1900		mg/Kg		95	70 - 130	1	35
o-Xylene	0.100	0.1016		mg/Kg		102	70 - 130	1	35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: 880-16986-A-1-E MS

Matrix: Solid

Analysis Batch: 30096

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 30163

Result	Qualifier	Added						
		Added	Result	Qualifier	Unit	D	%Rec	Limits
0.00199	U	0.0998	0.07298		mg/Kg		73	70 - 130
).00199	U	0.0998	0.07635		mg/Kg		76	70 - 130
).00199	U	0.0998	0.07801		mg/Kg		77	70 - 130
).00398	U	0.200	0.1671		mg/Kg		83	70 - 130
).00199	U	0.0998	0.09155		mg/Kg		92	70 - 130
	0.00199 0.00199 0.00398	0.00199 U 0.00199 U 0.00398 U 0.00199 U	0.00199 U 0.0998 0.00199 U 0.0998 0.00398 U 0.200	0.00199 U 0.0998 0.07635 0.00199 U 0.0998 0.07801 0.00398 U 0.200 0.1671	0.00199 U 0.0998 0.07635 0.00199 U 0.0998 0.07801 0.00398 U 0.200 0.1671	0.00199 U 0.0998 0.07635 mg/Kg 0.00199 U 0.0998 0.07801 mg/Kg 0.00398 U 0.200 0.1671 mg/Kg	0.00199 U 0.0998 0.07635 mg/Kg 0.00199 U 0.0998 0.07801 mg/Kg 0.00398 U 0.200 0.1671 mg/Kg	0.00199 U 0.0998 0.07635 mg/Kg 76 0.00199 U 0.0998 0.07801 mg/Kg 77 0.00398 U 0.200 0.1671 mg/Kg 83

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	108	70 - 130
1,4-Difluorobenzene (Surr)	97	70 - 130

Lab Sample ID: 880-16986-A-1-F MSD

Matrix: Solid

Analysis Batch: 30096

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 30163

	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	0.07246		mg/Kg		72	70 - 130	1	35
Toluene	< 0.00199	U	0.100	0.08286		mg/Kg		82	70 - 130	8	35
Ethylbenzene	< 0.00199	U	0.100	0.08532		mg/Kg		84	70 - 130	9	35
m-Xylene & p-Xylene	<0.00398	U	0.201	0.1839		mg/Kg		91	70 - 130	10	35
o-Xylene	< 0.00199	U	0.100	0.1004		mg/Kg		100	70 - 130	9	35

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

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

Lab Sample ID: MB 880-29891/1-A

Matrix: Solid

Analysis Batch: 30026

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

Prep Batch: 29891

	MB MI	мв								
Analyte	Result Qu	ualifier Ri	L Unit	D	Prepared	Analyzed	Dil Fac			
Gasoline Range Organics	<50.0 U	50.0	0 mg/Kg		07/18/22 08:34	07/19/22 14:19	1			
(GRO)-C6-C10										

Client: Ensolum

Job ID: 890-2559-1

SDG: 03E20240048

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

Lab Sample ID: MB 880-29891/1-A

Lab Sample ID: LCS 880-29891/2-A

Project/Site: Rasberry State Com 1

Matrix: Solid

Matrix: Solid

Analysis Batch: 30026

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 29891

ı	Analyte	IVID	IVID						
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		07/18/22 08:34	07/19/22 14:19	1
	C10-C28) Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/18/22 08:34	07/19/22 14:19	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	F	Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130	07/1	18/22 08:34	07/19/22 14:19	1
o-Terphenyl	157	S1+	70 - 130	07/2	18/22 08:34	07/19/22 14:19	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29891

Analysis Batch: 30026 LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits Gasoline Range Organics 1000 1227 123 70 - 130 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 1345 *+ 135 mg/Kg 70 - 130 C10-C28)

Spike

Added

1000

1000

LCSD LCSD

1141

1241

Result Qualifier

Unit

mg/Kg

mg/Kg

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	133	S1+	70 - 130
o-Terphenyl	137	S1+	70 - 130

Lab Sample ID: LCSD 880-29891/3-A

Matrix: Solid

Gasoline Range Organics

Diesel Range Organics (Over

Analyte

C10-C28)

(GRO)-C6-C10

Analysis Batch: 30026

Client Sample ID: Lab Control Sample Du

70 - 130

124

Prep Type: Total/NA Prep Batch: 29891

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%Rec RPD %Rec Limits RPD Limit 114 70 - 130 20

	LCSD	LCSD			
Surrogate	%Recovery	Qualifier	Limits		
1-Chlorooctane	123		70 - 130		
o-Terphenyl	126		70 - 130		

Lab Sample ID: 880-16985-A-1-E MS

Matrix: Solid

Analysis Batch: 30026

Client	Sample	ID:	Matrix	Sniko
Cilent	Sample	ID.	IVIALI IX	Spike

Prep Type: Total/NA Prep Batch: 29891

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	<50.0	U	1000	1013		mg/Kg		99	70 - 130	
(GRO)-C6-C10 Diesel Range Organics (Over	<50.0	U *+	1000	875.1		mg/Kg		88	70 - 130	
C10-C28)										

	IVIS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	86		70 - 130
o-Terphenyl	85		70 - 130

Lab Sample ID: 880-16985-A-1-F MSD

QC Sample Results

Client: Ensolum Job ID: 890-2559-1 Project/Site: Rasberry State Com 1 SDG: 03E20240048

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

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 29891

	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	1034		mg/Kg		101	70 - 130	2	20
(GRO)-C6-C10											
Diesel Range Organics (Over	<50.0	U *+	999	865.2		mg/Kg		87	70 - 130	1	20
040,000)											

C10-C28)

Matrix: Solid

Analysis Batch: 30026

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	88		70 - 130
o-Terphenyl	85		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-29896/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 29940

мв мв

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00 U	5.00	mg/Kg			07/20/22 19:46	1

Lab Sample ID: LCS 880-29896/2-A **Client Sample ID: Lab Control Sample Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 29940

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	 250	259.2	-	mg/Kg		104	90 - 110	

Lab Sample ID: LCSD 880-29896/3-A Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 29940

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	250	259.0		mg/Kg		104	90 - 110	0	20	

Lab Sample ID: 890-2559-1 MS Client Sample ID: FS03A **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 29940

	Sample	Sample	Spike	IVIO	IVIO				70ReC	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	57.7		250	315.3		mg/Kg	_	103	90 - 110	

Lab Sample ID: 890-2559-1 MSD Client Sample ID: FS03A

Matrix: Solid

Analysis Batch: 29940

Released to Imaging: 10/26/2022 2:48:49 PM

Allalysis Datcil. 23340												
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	57.7		250	315.5		mg/Kg		103	90 - 110	0	20	

Eurofins Carlsbad

Prep Type: Soluble

QC Association Summary

Client: Ensolum

Project/Site: Rasberry State Com 1

Job ID: 890-2559-1 SDG: 03E20240048

GC VOA

Prep Batch: 29817

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-29817/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 30096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2559-1	FS03A	Total/NA	Solid	8021B	30163
890-2559-2	FS04A	Total/NA	Solid	8021B	30163
890-2559-3	FS05A	Total/NA	Solid	8021B	30163
890-2559-4	FS06A	Total/NA	Solid	8021B	30163
MB 880-29817/5-A	Method Blank	Total/NA	Solid	8021B	29817
MB 880-30163/5-A	Method Blank	Total/NA	Solid	8021B	30163
LCS 880-30163/1-A	Lab Control Sample	Total/NA	Solid	8021B	30163
LCSD 880-30163/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	30163
880-16986-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	30163
880-16986-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	30163

Prep Batch: 30163

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2559-1	FS03A	Total/NA	Solid	5035	_
890-2559-2	FS04A	Total/NA	Solid	5035	
890-2559-3	FS05A	Total/NA	Solid	5035	
890-2559-4	FS06A	Total/NA	Solid	5035	
MB 880-30163/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-30163/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-30163/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-16986-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
880-16986-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 30202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2559-1	FS03A	Total/NA	Solid	Total BTEX	·
890-2559-2	FS04A	Total/NA	Solid	Total BTEX	
890-2559-3	FS05A	Total/NA	Solid	Total BTEX	
890-2559-4	FS06A	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 29891

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2559-1	FS03A	Total/NA	Solid	8015NM Prep	
890-2559-2	FS04A	Total/NA	Solid	8015NM Prep	
890-2559-3	FS05A	Total/NA	Solid	8015NM Prep	
890-2559-4	FS06A	Total/NA	Solid	8015NM Prep	
MB 880-29891/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-29891/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-29891/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-16985-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-16985-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 30026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2559-1	FS03A	Total/NA	Solid	8015B NM	29891

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QC Association Summary

Client: Ensolum Job ID: 890-2559-1 Project/Site: Rasberry State Com 1 SDG: 03E20240048

GC Semi VOA (Continued)

Analysis Batch: 30026 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2559-2	FS04A	Total/NA	Solid	8015B NM	29891
890-2559-3	FS05A	Total/NA	Solid	8015B NM	29891
890-2559-4	FS06A	Total/NA	Solid	8015B NM	29891
MB 880-29891/1-A	Method Blank	Total/NA	Solid	8015B NM	29891
LCS 880-29891/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	29891
LCSD 880-29891/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	29891
880-16985-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	29891
880-16985-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	29891

Analysis Batch: 30108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method Prep Batch
890-2559-1	FS03A	Total/NA	Solid	8015 NM
890-2559-2	FS04A	Total/NA	Solid	8015 NM
890-2559-3	FS05A	Total/NA	Solid	8015 NM
890-2559-4	FS06A	Total/NA	Solid	8015 NM

HPLC/IC

Leach Batch: 29896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2559-1	FS03A	Soluble	Solid	DI Leach	
890-2559-2	FS04A	Soluble	Solid	DI Leach	
890-2559-3	FS05A	Soluble	Solid	DI Leach	
890-2559-4	FS06A	Soluble	Solid	DI Leach	
MB 880-29896/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-29896/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-29896/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2559-1 MS	FS03A	Soluble	Solid	DI Leach	
890-2559-1 MSD	FS03A	Soluble	Solid	DI Leach	

Analysis Batch: 29940

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2559-1	FS03A	Soluble	Solid	300.0	29896
890-2559-2	FS04A	Soluble	Solid	300.0	29896
890-2559-3	FS05A	Soluble	Solid	300.0	29896
890-2559-4	FS06A	Soluble	Solid	300.0	29896
MB 880-29896/1-A	Method Blank	Soluble	Solid	300.0	29896
LCS 880-29896/2-A	Lab Control Sample	Soluble	Solid	300.0	29896
LCSD 880-29896/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	29896
890-2559-1 MS	FS03A	Soluble	Solid	300.0	29896
890-2559-1 MSD	FS03A	Soluble	Solid	300.0	29896

Client: Ensolum Project/Site: Rasberry State Com 1

Job ID: 890-2559-1 SDG: 03E20240048

Client Sample ID: FS03A

Lab Sample ID: 890-2559-1

Matrix: Solid

Date Collected: 07/13/22 10:55 Date Received: 07/15/22 10:09

	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	30163	07/20/22 15:07	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30096	07/21/22 06:49	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30202	07/21/22 08:55	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30108	07/20/22 10:23	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29891	07/18/22 08:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30026	07/19/22 20:12	SM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	29896	07/18/22 08:45	KS	XEN MID
Soluble	Analysis	300.0		1			29940	07/20/22 22:23	CH	XEN MID

Client Sample ID: FS04A Lab Sample ID: 890-2559-2

Date Collected: 07/13/22 11:10 Matrix: Solid

Date Received: 07/15/22 10:09

	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	30163	07/20/22 15:07	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30096	07/21/22 07:09	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30202	07/21/22 08:55	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30108	07/20/22 10:23	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	29891	07/18/22 08:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30026	07/19/22 20:34	SM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	29896	07/18/22 08:45	KS	XEN MID
Soluble	Analysis	300.0		1			29940	07/20/22 22:50	CH	XEN MID

Client Sample ID: FS05A Lab Sample ID: 890-2559-3

Date Collected: 07/13/22 11:15 **Matrix: Solid** Date Received: 07/15/22 10:09

	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	30163	07/20/22 15:07	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30096	07/21/22 07:29	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30202	07/21/22 08:55	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30108	07/20/22 10:23	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29891	07/18/22 08:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30026	07/19/22 20:57	SM	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	29896	07/18/22 08:45	KS	XEN MID
Soluble	Analysis	300.0		1			29940	07/20/22 23:00	CH	XEN MID

Client Sample ID: FS06A Lab Sample ID: 890-2559-4

Date Collected: 07/13/22 11:20 **Matrix: Solid** Date Received: 07/15/22 10:09

	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	30163	07/20/22 15:07	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30096	07/21/22 07:50	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30202	07/21/22 08:55	SM	XEN MID

Lab Chronicle

Client: Ensolum Job ID: 890-2559-1 Project/Site: Rasberry State Com 1 SDG: 03E20240048

Client Sample ID: FS06A

Date Received: 07/15/22 10:09

Lab Sample ID: 890-2559-4 Date Collected: 07/13/22 11:20

Matrix: Solid

	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			30108	07/20/22 10:23	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29891	07/18/22 08:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30026	07/19/22 21:19	SM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	29896	07/18/22 08:45	KS	XEN MID
Soluble	Analysis	300.0		1			29940	07/20/22 23:27	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum Job ID: 890-2559-1
Project/Site: Rasberry State Com 1 SDG: 03E20240048

Laboratory: Eurofins Midland

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

Authority		ogram	Identification Number	Expiration Date	
xas N		ELAP	T104704400-22-24	06-30-23	
The following analytes	are included in this report hi	it the laboratory is not certific	ed by the governing authority. This list ma	v include analytes for	
the agency does not of	· '	it the laboratory is not certain	ed by the governing authority. This list his	ay include analytes for	
0 ,	· '	Matrix	Analyte	ay include analytes for	
the agency does not of	fer certification.	,	, , ,		

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Method Summary

Client: Ensolum

Method

8021B

Total BTEX

8015 NM

8015B NM

8015NM Prep

DI Leach

300.0

5035

Project/Site: Rasberry State Com 1

Method Description

Total BTEX Calculation

Microextraction

Volatile Organic Compounds (GC)

Diesel Range Organics (DRO) (GC)

Diesel Range Organics (DRO) (GC)

Deionized Water Leaching Procedure

Anions, Ion Chromatography

Closed System Purge and Trap

Job ID: 890-2559-1

SDG: 03E20240048

Protocol	Laboratory
SW846	XEN MID
TAL SOP	XEN MID
SW846	XEN MID
SW846	XEN MID
MCAWW	XEN MID

XEN MID

XEN MID

XEN MID

SW846

SW846

ASTM

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Ensolum

Project/Site: Rasberry State Com 1

Job ID: 890-2559-1

SDG: 03E20240048

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2559-1	FS03A	Solid	07/13/22 10:55	07/15/22 10:09	2
890-2559-2	FS04A	Solid	07/13/22 11:10	07/15/22 10:09	2
890-2559-3	FS05A	Solid	07/13/22 11:15	07/15/22 10:09	1.5
890-2559-4	FS06A	Solid	07/13/22 11:20	07/15/22 10:09	1

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 Chain of Custody

💸 eurofins

Work Order No:	mr	UST/PST PRP Brownfields RRC Superfund		evel III	les: EDD ADaPT Other:	Preservative Codes	None: NO DI Water: H ₂ O	_	HCL: HC HNO 3: HN HCL: HC HNO 3: HN HON HON HON HON HON HON HON HON HON			Na ₂ S ₂ O ₃ : Na ₅ O	NaOH+Ascorbic Acid: SAPC	Sample Comments						Ni K Se Ag SiO ₂ Na Sr Tl Sn U V Zn Hg: 1631/245.1/7470/7471	s otiated.	Received by: (Signature) Date/Time	
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		Program:	State of Project:	Reporting	@ forthlown Can Deliverables.	ANALYSIS REQUEST					890-2559 Chain of Custody		γρίνα	2147				>		b As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U	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 \$5500 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.	me Relinquished by: (Signature)	2 1000
	Bill to: (if different)	Company Name:	Address:	City, State ZIP:	Email: KHENYINGO @ CM	Turn Around	Noutine Rush Code	5 day to	TAT starts the day received by the lab, if received by 4:30pm	Т	2	6 C	, 4	he Depth Grab/ # of Depth Comp Cont	2 2 6 1 1	2, 1	3	*		A 13PPM Texas 11 Al Sb As Ba Be B TCLP/SPLP6010 : 8RCRA Sb As Ba Be C	hase order from client company to Eurofins Xenco, it in responsibility for any losses or expenses incurred age of \$5 for each sample submitted to Eurofins Xenc	nature) Date/Time	7.15.3
Environment Testing Xenco	Project Manager: KONP. Programme	Ť			33	Ruso Dam Clare can !	MY C			SAMPI FRECEIPT Temp Blank: ONO Wellice:	tact: (Ye) No Thermometer	Yes No N/A	Sample Lustody Seals: Tes No IN/A Temperature reading: Total Containers: Corrected Temperature:	Sample Identification Matrix Sampled Sampled	SOI WIGHT S A SE	OIII I S AL	A L	50% A 4 1120		Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP	this document and relinquishment of samples constitutes a valid purch encowill be liable only for the cost of samples and shall not assume a minimum charge of \$85.00 will be applied to each project and a charg	induished by (Signature)	your Clark

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-2559-1

SDG Number: 03E20240048

List Source: Eurofins Carlsbad

Login Number: 2559 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	

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Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-2559-1

SDG Number: 03E20240048

List Source: Eurofins Midland

List Number: 2 Creator: Rodriguez, Leticia

Login Number: 2559

List Creation: 07/18/22 08:47 AM

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	

Euronnis Carisbau

Released to Imaging: 10/26/2022 2:48:49 PM

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Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-2561-1

Laboratory Sample Delivery Group: 03E20240048 Client Project/Site: RASPBERRY STATE COM #1

For:

eurofins 🔆

Ensolum 705 W. Wadley Suite 210 Midland, Texas 79701

Attn: Kalei Jennings

RAMER

Authorized for release by: 7/25/2022 10:03:19 AM

Jessica Kramer, Project Manager (432)704-5440

Jessica.Kramer@et.eurofinsus.com

Visit us at:

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.....LINKS

Review your project results through

EOL

Have a Question?

Received by OCD: 10/10/2022 9:54:02 AM

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

Client: Ensolum Project/Site: RASPBERRY STATE COM #1 Laboratory Job ID: 890-2561-1 SDG: 03E20240048

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Definitions/Glossary

Client: Ensolum Job ID: 890-2561-1 Project/Site: RASPBERRY STATE COM #1

SDG: 03E20240048

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
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.
HDI C/IC	

HPLC/IC

Qualifier **Qualifier Description**

U Indicates the analyte was analyzed for but not detected.

Glossarv

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 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 **Practical Quantitation Limit PQL**

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: RASPBERRY STATE COM #1

Job ID: 890-2561-1

SDG: 03E20240048

Job ID: 890-2561-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-2561-1

Receipt

The samples were received on 7/15/2022 10:06 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 4.8°C

GC VOA

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

GC Semi VOA

Method 8015MOD NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-29925 and analytical batch 880-29927 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 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: SS03B (890-2561-2). Evidence of matrix interferences is not obvious.

Method 8015MOD NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-29891/2-A) and (MB 880-29891/1-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The method blank for preparation batch 880-29891 and analytical batch 880-30026 contained Gasoline Range Organics (GRO)-C6-C10, OII Range Organics (Over C28-C36) and Total TPH above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD NM: The laboratory control sample (LCS) for preparation batch 880-29891 and analytical batch 880-30026 recovered outside control limits for the following analytes: <AffectedAnalytes>. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8015MOD NM: Surrogate recovery for the following sample was outside control limits: (MB 880-29891/1-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

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

Client Sample Results

Client: Ensolum Job ID: 890-2561-1
Project/Site: RASPBERRY STATE COM #1 SDG: 03E20240048

Project/Site: RASPBERRY STATE COM #1 SDG:

Client Sample ID: SS03A

Date Collected: 07/13/22 12:40

Matrix: Solid

Date Received: 07/15/22 10:06

Sample Depth: 2.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		07/20/22 15:07	07/21/22 08:10	1
Toluene	<0.00199	U	0.00199	mg/Kg		07/20/22 15:07	07/21/22 08:10	1
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		07/20/22 15:07	07/21/22 08:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		07/20/22 15:07	07/21/22 08:10	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/20/22 15:07	07/21/22 08:10	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/20/22 15:07	07/21/22 08:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130			07/20/22 15:07	07/21/22 08:10	1
1,4-Difluorobenzene (Surr)	91		70 - 130			07/20/22 15:07	07/21/22 08:10	1
- Method: Total BTEX - Total BTEX	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			07/21/22 08:55	1
Analyte Total TPH	Result <50.0	Qualifier U		Unit mg/Kg	D	Prepared	Analyzed 07/19/22 09:52	Dil Fac
Total TPH - -	<50.0	U	50.0	mg/Kg			07/19/22 09:52	1
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)						
Amalusta								
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	Result <50.0		RL 50.0	mg/Kg	<u>D</u>	Prepared 07/18/22 10:51	Analyzed 07/18/22 18:28	
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over		U			<u>D</u>	<u>·</u>		1
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg	<u> </u>	07/18/22 10:51	07/18/22 18:28	
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<50.0 <50.0	U U U	50.0	mg/Kg	<u>D</u>	07/18/22 10:51 07/18/22 10:51	07/18/22 18:28 07/18/22 18:28	1 1
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate	<50.0 <50.0 <50.0	U U U	50.0 50.0 50.0	mg/Kg	<u>D</u>	07/18/22 10:51 07/18/22 10:51 07/18/22 10:51	07/18/22 18:28 07/18/22 18:28 07/18/22 18:28	1 1 1 Dil Fac
,	<50.0 <50.0 <50.0 %Recovery	U U U	50.0 50.0 50.0 <i>Limits</i>	mg/Kg	<u>D</u>	07/18/22 10:51 07/18/22 10:51 07/18/22 10:51 Prepared	07/18/22 18:28 07/18/22 18:28 07/18/22 18:28 Analyzed	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	<50.0 <50.0 <50.0 %Recovery 97 103	U U U Qualifier	50.0 50.0 50.0 Limits 70 - 130	mg/Kg	<u>D</u>	07/18/22 10:51 07/18/22 10:51 07/18/22 10:51 Prepared 07/18/22 10:51	07/18/22 18:28 07/18/22 18:28 07/18/22 18:28 Analyzed 07/18/22 18:28	1 1 1 1 Dil Fac
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 <50.0 <50.0 <50.0 %Recovery 97 103 comatography -	U U U Qualifier	50.0 50.0 50.0 Limits 70 - 130	mg/Kg	<u>D</u>	07/18/22 10:51 07/18/22 10:51 07/18/22 10:51 Prepared 07/18/22 10:51	07/18/22 18:28 07/18/22 18:28 07/18/22 18:28 Analyzed 07/18/22 18:28	

Client Sample ID: SS03B Lab Sample ID: 890-2561-2

Date Collected: 07/13/22 12:45 Date Received: 07/15/22 10:06

Sample Depth: 3

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/20/22 15:07	07/21/22 09:45	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/20/22 15:07	07/21/22 09:45	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/20/22 15:07	07/21/22 09:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		07/20/22 15:07	07/21/22 09:45	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/20/22 15:07	07/21/22 09:45	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/20/22 15:07	07/21/22 09:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130			07/20/22 15:07	07/21/22 09:45	1

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Matrix: Solid

Client: Ensolum Job ID: 890-2561-1 Project/Site: RASPBERRY STATE COM #1 SDG: 03E20240048

Client Sample ID: SS03B Lab Sample ID: 890-2561-2 Matrix: Solid

Date Collected: 07/13/22 12:45 Date Received: 07/15/22 10:06

Sample Depth: 3

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

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	90	70 - 130	07/20/22 15:07	07/21/22 09:45	1

Method:	Total	RTFX.	. Total	RTFX	Calculation	

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400 U	0.00400	ma/Ka			07/21/22 08:55	1

Mothod: 8015 NM -	Diosal Range	Organice	(DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	68.0		50.0	mg/Kg			07/19/22 09:52	1

Mathadi 001ED	NM Discal Day	an Organian	(DBO) (CC)
Method: 8015B	nivi - Diesei Kai	ide Ordanics	IDKUI IGGI

Analyte	Result Qu	alifier RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0 U	50.0	mg/Kg		07/18/22 10:51	07/18/22 18:49	1
Diesel Range Organics (Over C10-C28)	68.0	50.0	mg/Kg		07/18/22 10:51	07/18/22 18:49	1
Oll Range Organics (Over C28-C36)	<50.0 U	50.0	mg/Kg		07/18/22 10:51	07/18/22 18:49	1
Suma mata	0/ Danassams Oss	alifian limita			Duamawad	Analymad	Dil F

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98	70 - 130	07/18/22 10:5	07/18/22 18:49	1
o-Terphenyl	0.03 S1-	70 - 130	07/18/22 10:5	1 07/18/22 18:49	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	41.5		5.01	mg/Kg			07/20/22 01:49	1	

Client Sample ID: SS02A Lab Sample ID: 890-2561-3

Date Collected: 07/13/22 12:50 Date Received: 07/15/22 10:06

Sample Depth: 2

Mothod: 9021D	Volatila Organia	Compounds (GC)
I WIELIIOU. OUZ ID '	• voiatile Organic	Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/20/22 15:07	07/21/22 09:04	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/20/22 15:07	07/21/22 09:04	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/20/22 15:07	07/21/22 09:04	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		07/20/22 15:07	07/21/22 09:04	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/20/22 15:07	07/21/22 09:04	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		07/20/22 15:07	07/21/22 09:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130			07/20/22 15:07	07/21/22 09:04	1
1,4-Difluorobenzene (Surr)	86		70 - 130			07/20/22 15:07	07/21/22 09:04	1

Mothod:	Total RTEY	- Total RTFY	Calculation

Analyte	Result	Qualifier	KL	Unit	D	Prepared	Analyzed	DII Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			07/21/22 08:55	1

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0 U	50.0	mg/Kg			07/19/22 09:52	1

Eurofins Carlsbad

Matrix: Solid

Matrix: Solid

Job ID: 890-2561-1

Lab Sample ID: 890-2561-3

Client: Ensolum Project/Site: RASPBERRY STATE COM #1 SDG: 03E20240048

Client Sample ID: SS02A

Date Collected: 07/13/22 12:50 Date Received: 07/15/22 10:06

Sample Depth: 2

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		07/18/22 10:51	07/18/22 19:32	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		07/18/22 10:51	07/18/22 19:32	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/18/22 10:51	07/18/22 19:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130			07/18/22 10:51	07/18/22 19:32	1
o-Terphenyl	110		70 - 130			07/18/22 10:51	07/18/22 19:32	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: SS02B Lab Sample ID: 890-2561-4 Date Collected: 07/13/22 12:55 Matrix: Solid

Date Received: 07/15/22 10:06

Sample Depth: 2.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		07/20/22 15:07	07/21/22 09:25	1
Toluene	< 0.00199	U	0.00199	mg/Kg		07/20/22 15:07	07/21/22 09:25	1
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		07/20/22 15:07	07/21/22 09:25	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		07/20/22 15:07	07/21/22 09:25	1
o-Xylene	< 0.00199	U	0.00199	mg/Kg		07/20/22 15:07	07/21/22 09:25	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/20/22 15:07	07/21/22 09:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130			07/20/22 15:07	07/21/22 09:25	1
1,4-Difluorobenzene (Surr)	94		70 - 130			07/20/22 15:07	07/21/22 09:25	1
Method: Total BTEX - Total BTEX	(Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			07/21/22 08:55	1
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			07/19/22 09:52	1
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		07/18/22 08:34	07/19/22 23:33	1
Diesel Range Organics (Over	<49.8	U *+	49.8	mg/Kg		07/18/22 08:34	07/19/22 23:33	1
C10-C28) OII Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/18/22 08:34	07/19/22 23:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Jui i Uquit	/orvecovery	Qualifici	Lillius			Fiepareu	Allalyzeu	יוום
1-Chlorooctane	89		70 - 130			07/18/22 08:34	07/19/22 23:33	1

Client Sample Results

Client: Ensolum Job ID: 890-2561-1
Project/Site: RASPBERRY STATE COM #1 SDG: 03E20240048

Client Sample ID: SS02B Lab Sample ID: 890-2561-4

Date Collected: 07/13/22 12:55

Date Received: 07/15/22 10:06

Matrix: Solid

Sample Depth: 2.5

Method: 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac		
Chloride	68.7	5.05	mg/Kg			07/20/22 02:25	1		

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Surrogate Summary

Job ID: 890-2561-1 Client: Ensolum Project/Site: RASPBERRY STATE COM #1 SDG: 03E20240048

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

		BFB1	DFBZ1	
ab Sample ID	Client Sample ID	(70-130)	(70-130)	
80-16986-A-1-E MS	Matrix Spike	108	97	
880-16986-A-1-F MSD	Matrix Spike Duplicate	109	88	
890-2561-1	SS03A	116	91	
390-2561-2	SS03B	106	90	
890-2561-3	SS02A	108	86	
890-2561-4	SS02B	109	94	
LCS 880-30163/1-A	Lab Control Sample	101	97	
LCSD 880-30163/2-A	Lab Control Sample Dup	108	89	
MB 880-29817/5-A	Method Blank	98	96	
MB 880-30163/5-A	Method Blank	99	91	

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 (Acceptance Limits
		1CO1	OTPH1	
Sample ID	Client Sample ID	(70-130)	(70-130)	
-16985-A-1-E MS	Matrix Spike	86	85	
-16985-A-1-F MSD	Matrix Spike Duplicate	88	85	
-17002-A-2-D MS	Matrix Spike	80	87	
-17002-A-2-E MSD	Matrix Spike Duplicate	80	87	
-2561-1	SS03A	97	103	
2561-2	SS03B	98	0.03 S1-	
-2561-3	SS02A	96	110	
2561-4	SS02B	89	103	
S 880-29891/2-A	Lab Control Sample	113	125	
880-29891/2-A	Lab Control Sample	133 S1+	137 S1+	
D 880-29891/3-A	Lab Control Sample Dup	101	115	
SD 880-29891/3-A	Lab Control Sample Dup	123	126	
880-29891/1-A	Method Blank	133 S1+	156 S1+	
880-29891/1-A	Method Blank	129	157 S1+	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Project/Site: RASPBERRY STATE COM #1

Client: Ensolum

Job ID: 890-2561-1 SDG: 03E20240048

Method: 8021B - Volatile Organic Compounds (GC)

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

Lab Sample ID: MB 880-30163/5-A

Matrix: Solid

Matrix: Solid

Analysis Batch: 30096

Analysis Batch: 30096

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29817

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/15/22 09:11	07/20/22 12:46	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/15/22 09:11	07/20/22 12:46	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/15/22 09:11	07/20/22 12:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		07/15/22 09:11	07/20/22 12:46	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/15/22 09:11	07/20/22 12:46	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/15/22 09:11	07/20/22 12:46	1

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	07/15/22 09:11	07/20/22 12:46	1
1,4-Difluorobenzene (Surr)	96		70 - 130	07/15/22 09:11	07/20/22 12:46	1

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 30163

мв мв

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/20/22 15:07	07/21/22 00:45	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/20/22 15:07	07/21/22 00:45	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/20/22 15:07	07/21/22 00:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		07/20/22 15:07	07/21/22 00:45	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/20/22 15:07	07/21/22 00:45	1
Xylenes, Total	< 0.00400	U	0.00400	mg/Kg		07/20/22 15:07	07/21/22 00:45	1

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	07/20/22 15:07	07/21/22 00:45	1
1,4-Difluorobenzene (Surr)	91		70 - 130	07/20/22 15:07	07/21/22 00:45	1

Lab Sample ID: LCS 880-30163/1-A

Matrix: Solid

Analysis Batch: 30096

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 30163

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09760		mg/Kg		98	70 - 130	
Toluene	0.100	0.09147		mg/Kg		91	70 - 130	
Ethylbenzene	0.100	0.09166		mg/Kg		92	70 - 130	
m-Xylene & p-Xylene	0.200	0.1917		mg/Kg		96	70 - 130	
o-Xylene	0.100	0.1022		mg/Kg		102	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	101	70 - 130
1.4-Difluorobenzene (Surr)	97	70 - 130

Lab Sample ID: LCSD 880-30163/2-A

Matrix: Solid

Analysis Batch: 30096

Client Sample ID: Lab	Control Sample Dup
	Dren Times Tetal/NA

Prep Type: Total/NA

Prep Batch: 30163

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.08114	-	mg/Kg		81	70 - 130	18	35

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QC Sample Results

Job ID: 890-2561-1 Client: Ensolum Project/Site: RASPBERRY STATE COM #1 SDG: 03E20240048

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

Lab Sample ID: LCSD 880-30163/2-A

Matrix: Solid Analysis Batch: 30096 Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 30163

Spike LCSD LCSD %Rec **RPD** Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit D Toluene 0.100 0.08827 88 70 - 130 35 mg/Kg 4 Ethylbenzene 0.100 0.08806 mg/Kg 88 70 - 130 4 35 0.200 m-Xylene & p-Xylene 0.1900 mg/Kg 95 70 - 130 35 o-Xylene 0.100 0.1016 mg/Kg 102 70 - 130 35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: 880-16986-A-1-E MS

Matrix: Solid

Analysis Batch: 30096

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

Prep Batch: 30163

	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	<0.00199	U	0.0998	0.07298		mg/Kg		73	70 - 130
Toluene	< 0.00199	U	0.0998	0.07635		mg/Kg		76	70 - 130
Ethylbenzene	< 0.00199	U	0.0998	0.07801		mg/Kg		77	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1671		mg/Kg		83	70 - 130
o-Xylene	< 0.00199	U	0.0998	0.09155		mg/Kg		92	70 - 130
0-Xylene	10.00100	Ü	0.0000	0.00100		mg/rtg		32	70 - 100

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	108	70 - 130
1,4-Difluorobenzene (Surr)	97	70 - 130

Lab Sample ID: 880-16986-A-1-F MSD

Matrix: Solid

Analysis Batch: 30096

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 30163

Sample Sample %Rec Spike MSD MSD RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Benzene <0.00199 0.100 0.07246 mg/Kg 72 70 - 130 35 Toluene <0.00199 U 0.100 0.08286 mg/Kg 82 70 - 130 8 35 Ethylbenzene <0.00199 U 0.100 0.08532 mg/Kg 84 70 - 130 35 <0.00398 U 0.201 0.1839 91 70 - 130 35 m-Xylene & p-Xylene mg/Kg 10 0.100 o-Xylene <0.00199 U 0.1004 mg/Kg 100 70 - 130 35

MSD MSD

Surrogate	%Recovery	Quaimer	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

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

Lab Sample ID: MB 880-29891/1-A

Matrix: Solid

Analysis Batch: 29927

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

Prep Batch: 29891

мв мв Analyte Result Qualifier RL Unit Prepared <50.0 U 50.0 mg/Kg 07/18/22 08:34 07/18/22 23:06 Gasoline Range Organics (GRO)-C6-C10

QC Sample Results

Client: Ensolum

Project/Site: RASPBERRY STATE COM #1

SDG: 03E20240048

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

125

Lab Sample ID: MB 880-29891/1-A	Client Sample ID: Method Blank
Matrix: Solid	Prep Type: Total/NA
Analysis Batch: 29927	Prep Batch: 29891

Analyzed 07/18/22 23:06 07/18/22 23:06	Dil Fac
	1
07/18/22 23:06	1
07/18/22 23:06	1
Analyzed	Dil Fac
07/18/22 23:06	1
07/18/22 23:06	1
	07/18/22 23:06

Lab Sample ID: MB 880-29891/1-A	Client Sample ID: Method Blank
Matrix: Solid	Prep Type: Total/NA
Analysis Batch: 30026	Prep Batch: 29891
мв мв	

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		07/18/22 08:34	07/19/22 14:19	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		07/18/22 08:34	07/19/22 14:19	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/18/22 08:34	07/19/22 14:19	1
	MB	MB						

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130	07/18/22 08:34	07/19/22 14:19	1
o-Terphenyl	157	S1+	70 - 130	07/18/22 08:34	07/19/22 14:19	1

Lab Sample ID: LCS 880-29891/2-A	Client Sample ID: Lab Control Sample
Matrix: Solid	Prep Type: Total/NA
Analysis Batch: 29927	Prep Batch: 29891

7 maryoro Batom 2002.								Datoin 2000 i
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1079		mg/Kg		108	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	953.3		mg/Kg		95	70 - 130	

(GRO)-C6-C10								
Diesel Range Organics (Over			1000	953.3	mg/Kg	95	70 - 130	
C10-C28)								
	LCS	LCS						
Surrogate	%Recovery	Qualifier	Limits					
1-Chlorooctane	113		70 - 130					

70 - 130

Lab Sample ID: LCS 880-29891/2-A Matrix: Solid Analysis Batch: 30026					Client Sample ID: Lab Control Sample Prep Type: Total/N. Prep Batch: 2989				
	Spike	LCS	LCS				%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	1227		mg/Kg		123	70 - 130		

Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits
Gasoline Range Organics (GRO)-C6-C10		1000	1227		mg/Kg		123	70 - 130
Diesel Range Organics (Over C10-C28)		1000	1345	*+	mg/Kg		135	70 - 130
L	CS LCS							
Surrogate %Recove	ry Qualifier	Limits						
1-Chlorooctane	33 S1+	70 - 130						

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o-Terphenyl

Job ID: 890-2561-1 Client: Ensolum Project/Site: RASPBERRY STATE COM #1

SDG: 03E20240048

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

Lab Sample ID: LCS 880-29891/2-A

Matrix: Solid

Surrogate

o-Terphenyl

Analysis Batch: 30026

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29891

LCS LCS

%Recovery Qualifier Limits 137 S1+ 70 - 130

Lab Sample ID: LCSD 880-29891/3-A

Lab Sample ID: LCSD 880-29891/3-A

Matrix: Solid

Analysis Batch: 29927

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 29891

RPD %Rec

Spike LCSD LCSD RPD Analyte Added Result Qualifier Unit D %Rec Limits Limit Gasoline Range Organics 1000 1004 mg/Kg 100 70 - 130 20 (GRO)-C6-C10 1000 Diesel Range Organics (Over 924.7 mg/Kg 92 70 - 130 3 20

C10-C28)

Matrix: Solid

Analysis Batch: 30026

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	115		70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 29891

RPD Spike LCSD LCSD %Rec Added Result Qualifier RPD Limit Analyte Unit %Rec Limits Gasoline Range Organics 1000 1141 114 70 - 130 20 mg/Kg (GRO)-C6-C10 1000 1241 124 Diesel Range Organics (Over mg/Kg 70 - 130 20 C10-C28)

LCSD LCSD

Surrogate	%Recovery Qualifi	er Limits
1-Chlorooctane	123	70 - 130
o-Terphenyl	126	70 - 130

Lab Sample ID: 880-16985-A-1-E MS

Matrix: Solid

Analysis Batch: 30026

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

Prep Batch: 29891

Sample Sample Spike MS MS %Rec Result Qualifier Added Result Qualifier %Rec Analyte Unit Limits <50.0 U 1000 Gasoline Range Organics 1013 mg/Kg 99 70 - 130 (GRO)-C6-C10 1000 875.1 Diesel Range Organics (Over <50.0 U*+ mg/Kg 88 70 - 130

C10-C28)

MS MS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	86		70 - 130
o-Terphenyl	85		70 - 130

Lab Sample ID: 880-16985-A-1-F MSD

Client: Ensolum Job ID: 890-2561-1 Project/Site: RASPBERRY STATE COM #1

SDG: 03E20240048

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

Client Sample ID: Matrix Spike Duplicate

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA Prep Batch: 29891

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 29925

Matrix: Solid Analysis Batch: 30026

Sample Sample Spike MSD MSD Limit Result Qualifier Analyte Added Result Qualifier Unit %Rec Limits RPD Gasoline Range Organics <50.0 U 999 1034 mg/Kg 101 70 - 130 2 20 (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U*+ 999 865.2 70 - 130 mg/Kg 87

C10-C28)

MSD MSD %Recovery Qualifier Limits Surrogate 1-Chlorooctane 70 - 130 88 o-Terphenyl 85 70 - 130

Lab Sample ID: 880-17002-A-2-D MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 29927

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	<50.0	U	1000	1111		mg/Kg		111	70 - 130	
(GRO)-C6-C10										
Diesel Range Organics (Over	89.1	F1	1000	730.6	F1	mg/Kg		64	70 - 130	
C10-C28)										

C10-C28)

	IVIS I	ws	
Surrogate	%Recovery (Qualifier	Limits
1-Chlorooctane	80		70 - 130
o-Terphenyl	87		70 - 130

Lab Sample ID: 880-17002-A-2-E MSD

Matrix: Solid

Analysis Batch: 29927									Prep	Batch:	29925
	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	999	1064		mg/Kg		106	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	89.1	F1	999	723.2	F1	mg/Kg		63	70 - 130	1	20
	MSD	MSD									

	MOD	MOD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	80		70 - 130
o-Terphenyl	87		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-29896/1-A Client Sample ID: Method Blank

Matrix: Solid

Analysis Batch: 29940

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			07/20/22 19:46	1

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Prep Type: Soluble

Job ID: 890-2561-1 Client: Ensolum Project/Site: RASPBERRY STATE COM #1 SDG: 03E20240048

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-29896/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 29940

LCS LCS %Rec Spike Analyte Added Result Qualifier %Rec Limits Unit D Chloride 250 259.2 mg/Kg 104 90 - 110

Lab Sample ID: LCSD 880-29896/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 29940

Spike LCSD LCSD %Rec RPD Added Analyte Result Qualifier Unit D %Rec Limits RPD Limit Chloride 250 259.0 mg/Kg 104 90 - 110

Lab Sample ID: 890-2559-A-1-E MS Client Sample ID: Matrix Spike

Matrix: Solid Prep Type: Soluble

Analysis Batch: 29940

Spike MS MS %Rec Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Chloride 57 7 250 315.3 mg/Kg 103 90 - 110

Lab Sample ID: 890-2559-A-1-F MSD Client Sample ID: Matrix Spike Duplicate **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 29940

MSD MSD RPD Spike %Rec Sample Sample Added RPD Analyte Result Qualifier Result Qualifier Unit %Rec Limits Limit Chloride 57.7 250 315.5 103 90 - 110 20 mg/Kg

Lab Sample ID: MB 880-29901/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 29941

MR MR

Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac 5.00 Chloride <5.00 U mg/Kg 07/20/22 01:21

Lab Sample ID: LCS 880-29901/2-A Client Sample ID: Lab Control Sample Matrix: Solid **Prep Type: Soluble**

Analysis Batch: 29941

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit %Rec Limits Chloride 250 261 1 mg/Kg 104 90 - 110

Lab Sample ID: LCSD 880-29901/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 29941

LCSD LCSD %Rec RPD Spike Added Result Qualifier Limits RPD Limit Analyte Unit D %Rec Chloride 250 267.3 mg/Kg 107 90 - 110 20

Lab Sample ID: 890-2561-2 MS Client Sample ID: SS03B **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 29941

Released to Imaging: 10/26/2022 2:48:49 PM

MS MS %Rec Sample Sample Spike Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Chloride 41.5 251 310.7 mg/Kg 107 90 - 110

QC Sample Results

Client: Ensolum Job ID: 890-2561-1 Project/Site: RASPBERRY STATE COM #1 SDG: 03E20240048

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-2561-2 MSD Client Sample ID: SS03B **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 29941

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	41.5		251	312.0		mg/Kg		108	90 - 110	0	20

Client: Ensolum

Project/Site: RASPBERRY STATE COM #1

Job ID: 890-2561-1 SDG: 03E20240048

GC VOA

Prep Batch: 29817

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-29817/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 30096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2561-1	SS03A	Total/NA	Solid	8021B	30163
890-2561-2	SS03B	Total/NA	Solid	8021B	30163
890-2561-3	SS02A	Total/NA	Solid	8021B	30163
890-2561-4	SS02B	Total/NA	Solid	8021B	30163
MB 880-29817/5-A	Method Blank	Total/NA	Solid	8021B	29817
MB 880-30163/5-A	Method Blank	Total/NA	Solid	8021B	30163
LCS 880-30163/1-A	Lab Control Sample	Total/NA	Solid	8021B	30163
LCSD 880-30163/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	30163
880-16986-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	30163
880-16986-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	30163

Prep Batch: 30163

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2561-1	SS03A	Total/NA	Solid	5035	_
890-2561-2	SS03B	Total/NA	Solid	5035	
890-2561-3	SS02A	Total/NA	Solid	5035	
890-2561-4	SS02B	Total/NA	Solid	5035	
MB 880-30163/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-30163/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-30163/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-16986-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
880-16986-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 30203

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2561-1	SS03A	Total/NA	Solid	Total BTEX	
890-2561-2	SS03B	Total/NA	Solid	Total BTEX	
890-2561-3	SS02A	Total/NA	Solid	Total BTEX	
890-2561-4	SS02B	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 29891

ſ	_					
	Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
	890-2561-4	SS02B	Total/NA	Solid	8015NM Prep	
	MB 880-29891/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
	LCS 880-29891/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
	LCSD 880-29891/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
	880-16985-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
	880-16985-A-1-F MSD	Matrix Snike Dunlicate	Total/NA	Solid	8015NM Pren	

Prep Batch: 29925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2561-1	SS03A	Total/NA	Solid	8015NM Prep	
890-2561-2	SS03B	Total/NA	Solid	8015NM Prep	
890-2561-3	SS02A	Total/NA	Solid	8015NM Prep	
880-17002-A-2-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	

Client: Ensolum

Project/Site: RASPBERRY STATE COM #1

Job ID: 890-2561-1 SDG: 03E20240048

GC Semi VOA (Continued)

Prep Batch: 29925 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17002-A-2-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 29927

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2561-1	SS03A	Total/NA	Solid	8015B NM	29925
890-2561-2	SS03B	Total/NA	Solid	8015B NM	29925
890-2561-3	SS02A	Total/NA	Solid	8015B NM	29925
MB 880-29891/1-A	Method Blank	Total/NA	Solid	8015B NM	29891
LCS 880-29891/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	29891
LCSD 880-29891/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	29891
880-17002-A-2-D MS	Matrix Spike	Total/NA	Solid	8015B NM	29925
880-17002-A-2-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	29925

Analysis Batch: 30026

Lab Sample ID 890-2561-4	Client Sample ID SS02B	Prep Type Total/NA	Matrix Solid	Method 8015B NM	Prep Batch 29891
MB 880-29891/1-A	Method Blank	Total/NA	Solid	8015B NM	29891
LCS 880-29891/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	29891
LCSD 880-29891/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	29891
880-16985-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	29891
880-16985-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	29891

Analysis Batch: 30040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method Prep Batch
890-2561-1	SS03A	Total/NA	Solid	8015 NM
890-2561-2	SS03B	Total/NA	Solid	8015 NM
890-2561-3	SS02A	Total/NA	Solid	8015 NM
890-2561-4	SS02B	Total/NA	Solid	8015 NM

HPLC/IC

Leach Batch: 29896

Lab Sample ID 890-2561-1	Client Sample ID SS03A	Prep Type Soluble	Matrix Solid	Method DI Leach	Prep Batch
MB 880-29896/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-29896/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-29896/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2559-A-1-E MS	Matrix Spike	Soluble	Solid	DI Leach	
890-2559-A-1-F MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 29901

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2561-2	SS03B	Soluble	Solid	DI Leach	
890-2561-3	SS02A	Soluble	Solid	DI Leach	
890-2561-4	SS02B	Soluble	Solid	DI Leach	
MB 880-29901/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-29901/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-29901/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2561-2 MS	SS03B	Soluble	Solid	DI Leach	
890-2561-2 MSD	SS03B	Soluble	Solid	DI Leach	

Client: Ensolum

Project/Site: RASPBERRY STATE COM #1

SDG: 03E20240048

HPLC/IC

Analysis Batch: 29940

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2561-1	SS03A	Soluble	Solid	300.0	29896
MB 880-29896/1-A	Method Blank	Soluble	Solid	300.0	29896
LCS 880-29896/2-A	Lab Control Sample	Soluble	Solid	300.0	29896
LCSD 880-29896/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	29896
890-2559-A-1-E MS	Matrix Spike	Soluble	Solid	300.0	29896
890-2559-A-1-F MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	29896

Analysis Batch: 29941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2561-2	SS03B	Soluble	Solid	300.0	29901
890-2561-3	SS02A	Soluble	Solid	300.0	29901
890-2561-4	SS02B	Soluble	Solid	300.0	29901
MB 880-29901/1-A	Method Blank	Soluble	Solid	300.0	29901
LCS 880-29901/2-A	Lab Control Sample	Soluble	Solid	300.0	29901
LCSD 880-29901/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	29901
890-2561-2 MS	SS03B	Soluble	Solid	300.0	29901
890-2561-2 MSD	SS03B	Soluble	Solid	300.0	29901

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SDG: 03E20240048

Project/Site: RASPBERRY STATE COM #1

Lab Sample ID: 890-2561-1

Matrix: Solid

Client Sample ID: SS03A Date Collected: 07/13/22 12:40

Client: Ensolum

Date Received: 07/15/22 10:06

	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	30163	07/20/22 15:07	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30096	07/21/22 08:10	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30203	07/21/22 08:55	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30040	07/19/22 09:52	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	29925	07/18/22 10:51	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29927	07/18/22 18:28	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	29896	07/18/22 08:45	KS	XEN MID
Soluble	Analysis	300.0		1			29940	07/21/22 00:23	CH	XEN MID

Lab Sample ID: 890-2561-2 Client Sample ID: SS03B Date Collected: 07/13/22 12:45

Date Received: 07/15/22 10:06

Lub	Odilipic	ID.	030-2001-2	
			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			5.00 g	5 mL	30163	07/20/22 15:07	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30096	07/21/22 09:45	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30203	07/21/22 08:55	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30040	07/19/22 09:52	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	29925	07/18/22 10:51	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29927	07/18/22 18:49	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	29901	07/18/22 08:57	KS	XEN MID
Soluble	Analysis	300.0		1			29941	07/20/22 01:49	CH	XEN MID

Client Sample ID: SS02A Lab Sample ID: 890-2561-3

Date Collected: 07/13/22 12:50 Date Received: 07/15/22 10:06

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	30163	07/20/22 15:07	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30096	07/21/22 09:04	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30203	07/21/22 08:55	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30040	07/19/22 09:52	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29925	07/18/22 10:51	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29927	07/18/22 19:32	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	29901	07/18/22 08:57	KS	XEN MID
Soluble	Analysis	300.0		1			29941	07/20/22 02:16	CH	XEN MID

Client Sample ID: SS02B Lab Sample ID: 890-2561-4

Date Collected: 07/13/22 12:55 Date Received: 07/15/22 10:06

Total/NA

Total/NA

Date Received.	07/15/22 10.0	00								
_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	30163	07/20/22 15:07	MR	XEN MID

5 mL

5 mL

30096

30203

07/21/22 09:25

07/21/22 08:55

SM

Eurofins Carlsbad

Matrix: Solid

XEN MID

XEN MID

Page 20 of 27

Analysis

Analysis

8021B

Total BTEX

Date Received: 07/15/22 10:06

Lab Chronicle

Client: Ensolum Job ID: 890-2561-1 Project/Site: RASPBERRY STATE COM #1 SDG: 03E20240048

Client Sample ID: SS02B Lab Sample ID: 890-2561-4 Date Collected: 07/13/22 12:55

Matrix: Solid

	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			30040	07/19/22 09:52	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	29891	07/18/22 08:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30026	07/19/22 23:33	SM	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	29901	07/18/22 08:57	KS	XEN MID
Soluble	Analysis	300.0		1			29941	07/20/22 02:25	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum Job ID: 890-2561-1
Project/Site: RASPBERRY STATE COM #1 SDG: 03E20240048

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	ed by the governing authority. This list ma	av include analytes for w	
the agency does not of	fer certification.	,	ou s, and governmig dualismy.	ay molado analytoo for v	
the agency does not of Analysis Method	fer certification . Prep Method	Matrix	Analyte	ay morado anarytoo tor v	
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Method Summary

Client: Ensolum

Method

8021B

Total BTEX

8015 NM

8015B NM

8015NM Prep

DI Leach

300.0

5035

Project/Site: RASPBERRY STATE COM #1

Method Description

Total BTEX Calculation

Microextraction

Volatile Organic Compounds (GC)

Diesel Range Organics (DRO) (GC)

Diesel Range Organics (DRO) (GC)

Deionized Water Leaching Procedure

Anions, Ion Chromatography

Closed System Purge and Trap

Job ID: 890-2561-1

SDG: 03E20240048

ocol	Laboratory
46	XEN MID
SOP	XEN MID
46	XEN MID
46	XEN MID
۱۸/۱۸/	VEN MID

XEN MID

XEN MID

XEN MID

Proto SW84 TAL S SW84 SW84 MCAWW XEN MID

SW846

SW846

ASTM

Protocol References:

ASTM = ASTM International

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Ensolum

Project/Site: RASPBERRY STATE COM #1

Job ID: 890-2561-1

SDG: 03E20240048

Depth		
2.5		

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2561-1	SS03A	Solid	07/13/22 12:40	07/15/22 10:06	2.5
890-2561-2	SS03B	Solid	07/13/22 12:45	07/15/22 10:06	3
890-2561-3	SS02A	Solid	07/13/22 12:50	07/15/22 10:06	2
890-2561-4	SS02B	Solid	07/13/22 12:55	07/15/22 10:06	2.5

Work Order No:

Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300

Environment Testing

eurofins 🛟

Xenco

Chain of Custody

EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296

Date/Time

Received by: (Signature)

Relinquished by: (Signature)

-1523 100c Date/Time

Received by: (Signature)

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							www.xenco.com	o.com Page of
Project Manager:	Kaki Poning	4	Bill to: (if different)	tì			Work Or	Work Order Comments
	Fnsolum		Company Name:				Program: UST/PST PRP	Brownfields ☐ RRC ☐ Superfund ☐
	3122 NOTE Park HWY	arts Hwy.	Address:				State of Project:	
e ZIP:	Carlshad NN	N 8226	City, State ZIP:				Reporting: Level II Level III	Reporting: Level III Level III PST/UST TRRP Level IV
Phone:	877673 2503		III KURNINGS		Pensdum	nw.	Deliverables: EDD	ADaPT Other:
Project Name:	Raspberrys State Con #		Turn Around			ANALY	ANALYSIS REQUEST	Preservative Codes
er:	35-2 muchus	Door		Pres. Code				None: NO DI Water: H ₂ O
	lea canta , NM	M Due Date:	Sday	支				Cool: Cool MeOH: Me
	uz Cheli		Je J					
PO #:		the lab, if r	the lab, if received by 4:30pm	SJ				H ₂ S0 4: H ₂ NaOH: Na
SAMPLE RECEIPT	Temp Blank:	(Yes) No Wet Ice:	Kes) No	ıəşəı				H ₃ PO ₄ : HP
Samples Received Intact:	t: Yes No	Thermometer ID:	T/M-003	ונפונ				NaHSO 4: NABIS
Cooler Custody Seals:	Yes No M/A	Correction Factor:	0.00	2d				Na ₂ S ₂ O ₃ : NaSO ₃
Sample Custody Seals:	Yes No N/A	Temperature Reading:	0,0				890-2561 Chain of Custody	Zn Acetate+NaOH: Zn
Total Containers:		Corrected Temperature:	4.8			- Juc		NaOH+Ascorbic Acid: SAPC
Sample Identification	cation Matrix	Date Time Sampled Sampled	Depth Grab/	# of Cont	249	CNK		Sample Comments
25033	S	7113/22 1240	25 6	-	-			
103 B		Sh21 1	3					
CSO1 PA		1250	1,2					
S102 B	>	7 120	25,	>	7	7		
					+			
Total 200.7 / 6010	200.8 / 6020:	8RCRA 131	PPM Texas 11	Al Sb /	s Ba Be	Cd Ca Cr Co Cu Fe	8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Tl	la Sr Tl Sn U V Zn
Circle Method(s) ar	Circle Method(s) and Metal(s) to be analyzed		SPLP 6010 : 8RC	RA Sb	As Ba Be	TCLP/SPLP6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U		Hg: 1631 / 245.1 / 7470 / 7471
Notice: Signature of this docun	nent and relinquishment of samp be liable only for the cost of sami	oles constitutes a valid purchase oles and shall not assume any re-	order from client companisponsibility for any losses	y to Eurofins or expenses	Xenco, its affilia	horice: 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 for ender from client fisher if such losses are due to circumstances beyond the control	standard terms and conditions imstances 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 submi	tted to Euro	fins Xenco, but	ot analyzed. These terms will be en	to service. Euronias Activo will be native coast of services and a charge of \$55 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-2561-1

SDG Number: 03E20240048

List Source: Eurofins Carlsbad

Login Number: 2561 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	

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Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-2561-1

SDG Number: 03E20240048

List Source: Eurofins Midland

List Number: 2 Creator: Rodriguez, Leticia

Login Number: 2561

List Creation: 07/18/22 08:47 AM

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	

Euronnis Carisbau

Released to Imaging: 10/26/2022 2:48:49 PM

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www.eurofinsus.com/Env

Released to Imaging: 10/26/2022 2:48:49 PM

Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-2564-1

Laboratory Sample Delivery Group: 03E20240048 Client Project/Site: RASPBERRY STATE COM#1

For:

Ensolum 705 W. Wadley Suite 210 Midland, Texas 79701

Attn: Kalei Jennings

RAMER

Authorized for release by: 8/9/2022 2:28:36 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: RASPBERRY STATE COM#1

Laboratory Job ID: 890-2564-1 SDG: 03E20240048

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Eurofins Carlsbad 8/9/2022

Definitions/Glossary

Client: Ensolum Job ID: 890-2564-1 Project/Site: RASPBERRY STATE COM#1

SDG: 03E20240048

Qualifiers

Metals

ML

MPN

MQL

NC

ND NEG

POS

PQL

QC

RER

RL RPD

TEF

TEQ

TNTC

PRES

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

Minimum Level (Dioxin)

Most Probable Number

Not Calculated

Negative / Absent

Positive / Present

Presumptive

Quality Control

Method Quantitation Limit

Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

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

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

Glossary

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

Case Narrative

Client: Ensolum

Project/Site: RASPBERRY STATE COM#1

Job ID: 890-2564-1

SDG: 03E20240048

Job ID: 890-2564-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-2564-1

Receipt

The sample was received on 7/15/2022 10:09 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 4.8° C

Metals

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: 890-2564-1

Client Sample Results

Client: Ensolum Job ID: 890-2564-1
Project/Site: RASPBERRY STATE COM#1 SDG: 03E20240048

Client Sample ID: BACKGROUND 1

Date Collected: 07/13/22 11:05 Date Received: 07/15/22 10:09

Sample Depth: 0.5

Method: 29B SAR - Sodium Ads	sorption Ratio						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Na	9.48	0.500	mg/L		07/29/22 10:00	07/30/22 01:20	1
Ca	28.8	0.200	mg/L		07/29/22 10:00	07/30/22 01:20	1
Mg	1.73	0.400	mg/L		07/29/22 10:00	07/30/22 01:20	1
K	8.83	0.500	mg/L		07/29/22 10:00	07/30/22 01:20	1
Sodium Adsorption Ratio	0.463	0.100	NONE		07/29/22 10:00	08/09/22 15:13	1

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QC Sample Results

Client: Ensolum Job ID: 890-2564-1 Project/Site: RASPBERRY STATE COM#1

SDG: 03E20240048

Method: 29B SAR - Sodium Adsorption Ratio

Lab Sample ID: MB 860-62952/1-A **Client Sample ID: Method Blank Matrix: Solid Prep Type: Soluble** Prep Batch: 62952 Analysis Batch: 63045

	MB I	MB						
Analyte	Result (Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Na	<0.500 l	J –	0.500	mg/L		07/29/22 11:35	07/30/22 01:16	1
Ca	<0.200 l	IJ	0.200	mg/L		07/29/22 11:35	07/30/22 01:16	1
Mg	<0.400 l	IJ	0.400	mg/L		07/29/22 11:35	07/30/22 01:16	1
Κ	<0.500 l	Ú	0.500	mg/L		07/29/22 11:35	07/30/22 01:16	1

Client: Ensolum

Job ID: 890-2564-1 Project/Site: RASPBERRY STATE COM#1 SDG: 03E20240048

Metals

Prep Batch: 62945

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2564-1	BACKGROUND 1	Total/NA	Solid	29B	62952

Prep Batch: 62952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2564-1	BACKGROUND 1	Total/NA	Solid	29B	
MB 860-62952/1-A	Method Blank	Soluble	Solid	29B	

Analysis Batch: 63045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2564-1	BACKGROUND 1	Total/NA	Solid	29B SAR	62945
MB 860-62952/1-A	Method Blank	Soluble	Solid	29B SAR	62952

Analysis Batch: 64216

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2564-1	BACKGROUND 1	Total/NA	Solid	29B SAR	62945

Lab Chronicle

Client: Ensolum Job ID: 890-2564-1 Project/Site: RASPBERRY STATE COM#1 SDG: 03E20240048

Client Sample ID: BACKGROUND 1

Lab Sample ID: 890-2564-1 Date Collected: 07/13/22 11:05 Matrix: Solid

Date Received: 07/15/22 10:09

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	29B			100.08 g	100 g	62945	07/29/22 10:00	AGR	EETSC HOU
Total/NA	Prep	29B			100.08 g	100 g	62952	07/29/22 11:35	PB	EETSC HO
Total/NA	Analysis	29B SAR		1			63045	07/30/22 01:20	DP	EETSC HO
Total/NA	Prep	29B			100.08 g	100 g	62945	07/29/22 10:00	AGR	EETSC HO
Total/NA	Prep	29B			100.08 g	100 g	62952	07/29/22 11:35	PB	EETSC HO
Total/NA	Analysis	29B SAR		1			64216	08/09/22 15:13	DP	EETSC HO

Laboratory References:

EETSC HOU = Eurofins Houston, 4147 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Accreditation/Certification Summary

Client: Ensolum Job ID: 890-2564-1 Project/Site: RASPBERRY STATE COM#1

SDG: 03E20240048

Laboratory: Eurofins Houston

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

Authority	P	rogram	Identification Number	Expiration Date
Texas	N	ELAP	T104704215-22-47	06-30-23
The following analytes	are included in this report, b	ut the laboratory is not certifie	ed by the governing authority. This list ma	y include analytes for which
the agency does not of	fer certification.	•	, , ,	,
Analysis Method	Prep Method	Matrix	Analyte	

Analysis Method	Prep Method	Matrix	Analyte	
29B SAR	29B	Solid	Ca	
29B SAR	29B	Solid	К	
29B SAR	29B	Solid	Mg	
29B SAR	29B	Solid	Na	
29B SAR	29B	Solid	Sodium Adsorption Ratio	

Method Summary

Client: Ensolum

Project/Site: RASPBERRY STATE COM#1

Job ID: 890-2564-1

SDG: 03E20240048

|--|--|--|

Method	Method Description	Protocol	Laboratory
29B SAR	Sodium Adsorption Ratio	LA	EETSC HOU
29B	Preparation, Dry, Grind and Sieve	LA	EETSC HOU
29B	Preparation, Sodium Absorption Ratio	LA	EETSC HOU

Protocol References:

LA = Statewide Order No. 29-B, State Of Louisianna

Laboratory References:

EETSC HOU = Eurofins Houston, 4147 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Eurofins Carlsbad

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Sample Summary

Client: Ensolum

Project/Site: RASPBERRY STATE COM#1

Job ID: 890-2564-1

SDG: 03E20240048

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2564-1	BACKGROUND 1	Solid	07/13/22 11:05	07/15/22 10:09	0.5

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Work Order No:

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334

Environment TestingXenco

seurofins.

Chain of Custody

EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296

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Project Manager: Ka	rale, Jennings	as		Bill to: (if different)	nt)			Work Orde	Work Order Comments	
	Ensolum			Company Name:	iii			Program: UST/PST ☐ PRP ☐	Brownfields ☐ RRC ☐ Supe	Superfund
	3722 NOTH. Parly HUL	arts Hu		Address:				State of Project:		
re ZIP:	Carisbad NM	07288		City, State ZIP:				Reporting: Level II Level III	PST/UST TRRP Level IV	<u></u> ≥
Phone:	8176832503		Email:	Kjennings	.1	Pensolum. com		Deliverables: EDD A	ADaPT Other:	
Project Name:	Paspern State Com	te Comt	Turn	Turn Around			ANALYSIS REQUEST	_	Preservative Codes	
er:	03E202406UR	87	Moutine	Rush	Pres.				None: NO DI Water: H ₂ O	r: H ₂ O
	Lea County NM	N	Due Date:	Due Date: Schur	8				Cool: Cool MeOH: Me	e
	UzCheli		TAT starts the	TAT starts the day received by						z
		(the lab, if rec	the lab, if received by 4:30pm	5				H2SO4: H2 NaOH: Na	e
SAMPLE RECEIPT	Temp Blank:	No No	Wet Ice:	(Yes) No	eters				H ₃ PO ₄ : HP	
Samples Received Intact:	o _N	Thermometer ID:	er ID:	F00 MM	men				NaHSO 4: NABIS	
Cooler Custody Seals:	Yes No. AM	Correction Factor:	actor:	G10-	Pa		890-2564 Chain of Custody	Jstody	Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	e Reading:	2.0			-	-	Zn Acetate+NaOH: Zn	
Total Containers:		Corrected T	Corrected Temperature:	4-8		ď			NaOH+Ascorbic Acid: SAPC	
Sample Identification	on Matrix	Date Sampled	Time	Depth Grab/	# of Cont	AS			Sample Comments	
Backgraumd 1	5	गाउ।द्	\$011	0.S	-	*				
	- 0000	-	A40001 A0000			L B B B C	S S S S S S S S S S S S S S S S S S S	An Mo Ni K So An SiO, Na Sr T	Sr Tl Sn U V Zn	
Total 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed	200.8 / 6020: Metal(s) to be an		TCLP/S	PLP 6010 : 8R	CRA Sb	As Ba Be Cd	A 13PPM TEXAS LE AL DA SE DE DE CA CA CE CU CA FE FU MA NO TCLP/SPLP6010 : 8RCRA SD As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se		470 /747	
Notice: Signature of this document. of service. Eurofins Xenco will be lia of Eurofins Xenco. A minimum chan	and relinquishment of sarable only for the cost of sa ge of \$85.00 will be applie	nples constitutes a mples and shall not sed to each project a	valid purchase ord assume any respond a charge of \$5	ler from client compa sysbility for any losse for each sample sub	ny to Eurofin s or expense: nitted to Eur	Xenco, its affiliates an incurred by the client ins Xenco, but not an	hotice. 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 bases 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 enforced unless previously negotiated.	nd conditions d the control eviously negotiated.		
Aplinquished by: (Signature)	natuye)	Received	Received by: (Signature)	e)		Date/Time	Relinquished by: (Signature)	Received by: (Signature)	iture) Date/Time	
KMANIN	2	12000	S		7.16	15-22 1009	2			
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Custody Seals Intact: Custody Seal No.	Relinquished by:	Reinquished by: Reinquished by	Empty Kit Relinquished by	Deliverable Requested: Other (specify)	Possible Hazard Identification Unconfirmed	Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC aboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing South Central, LLC.				BACKGROUND 1 (890-2564-1)		Sample Identification Chefit ID (Lab ID)		Site:	Project Name: RASPBERRY STATE COM#1	Email:	Phone: 281-240-4200(Tel)	State, Zlp. TX, 77477	City Stafford	Address: 4147 Greenbriar Dr	Company: Eurofins Environment Testing South Centr		Client Information (Sub Contract Lab)	Eurofins Carlsbad Temp: 1089 N Canal St. C/F+14 S.O IR ID:HOU-338 Carlsbad, NM 88220 Corrected Temp. 4.4
	Date/Time:	Date/Time: Date/Time:		Primary Deliverable Rank: 2		t Testing South Co ove for analysis/te ntral, LLC attention				7/13/22		Salliple Pale	Sanala	SSOW#:	Project #: 89000094	WO#	P0 #		TAT Requested (days):	Due Date Requested: 7/21/2022		Phone:	iampler	
			Date:	erable Rank: 2	:	entral, LLC places sts/matrix being a n immediately If				Mountain	11 OF	111116							(days):	sted:				Chain of Custody Record
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Cooler	Recei	Received by	Time:	Special I	Sample I	yte & accredit shipped back current to dat	 -			×	×	Ţ	Perform MS/N 9B_SAR_Calc	ISD (Yes or	No)		ocal M	ethod		Accreditations Required NELAP Texas	E-Mail: Jessica.Kramer@et.euro	Kramer Jessica	cord
Cooler Temperature(s) °C and Other Remarks:	Received by:	ved by		Special Instructions/QC Requirements	Sample Disposal (A fee	ation complianto the Eurofiner, return the	 -			+												et.eurofins		
s(s) °C and O		i		/QC Requi	al (A fee ma) Client	nce upon out s Environmer signed Chain				+	ļ									Analysis	(See note):	finsus.com	890-25	
ther Remarks		me		irements.	may be assessed if samples are retained longer Disposal By Lab Archive For	subcontract nt Testing So of Custody a	-							_						Requested		New	890-2564 Chain of Custody	
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	Company	Company The			1 month) Months	er chain-of-custody. If the e provided Any changes to Testing South Central, LLC			Page	= 13	0	opecial illandenoismore.	nstructions/Note:			V MCAA W pH 4-5		Q Na2SO3 R Na2S2O3						Environment Testing 22 America 20

7/15/22 1:02 PM

FedEx Ship Manager Print Your Label(s)

CARLSBAD, NM 88220 UNITED STATES US 4145 GREENBRIAR DR KENCO HOUSTON **CENCO HOUSTON** PRIORITY OVERNIGHT BILL SENDER SATURDAY 12:00P

After printing this label

1 Use the 'Print' button on this page to print your label to your laser or inkjet printer

2 Fold the printed page along the horizontal line

3 Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned

Warning IMPORTANT: TRANSMIT YOUR SHIPPING DATA AND PRINT A MANIFEST:

At the end of each shipping day you should perform the FedEx Ground End of Day Close procedure to transmit your shipping data to FedEx. To do so, click on the Ground End of Day Close Button If required print the pickup manifest that appears. A printed manifest is required to be tendered along with your packages if they are being picked up by FedEx Ground. If you are dropping your packages off at a FedEx drop off location, the manifest is not required

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide and applicable tariff available upon request. FedEx will not be responsible for any claim in excess of \$100 per package whether the result of loss, damage delay non-delivery, misdelivery, or misinformation unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations, including limitations on our liability can be found in the current FedEx Service Guide and applicable tariff apply. In no event shall FedEx Ground be liable for any special incidental, or consequential damages including without limitation, loss of profit, loss to the intrinsic value of the package, loss of sale interest income or attorney's fees. Recovery cannot exceed actual documented loss. Items of extraordinary value are subject to separate limitations of liability set forth in the Service Guide and tariff Written claims must be filed within strict time limits, see current FedEx Service Guide.

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Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-2564-1 SDG Number: 03E20240048

List Source: Eurofins Carlsbad

Login Number: 2564 List Number: 1 Creator: Clifton, Cloe

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

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<6mm (1/4").

Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-2564-1 SDG Number: 03E20240048

Login Number: 2564 **List Source: Eurofins Houston** List Number: 2 List Creation: 07/16/22 12:35 PM

Creator: Torres, Sandra

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	4.4
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	

True

<6mm (1/4").

Containers requiring zero headspace have no headspace or bubble is

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Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-2565-1

Laboratory Sample Delivery Group: 03E20204004D Client Project/Site: RASPBERRY STATE COM #001

For:

Ensolum 705 W. Wadley Suite 210 Midland, Texas 79701

Attn: Kalei Jennings

RAMER

Authorized for release by: 8/9/2022 2:28:36 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: RASPBERRY STATE COM #001 Laboratory Job ID: 890-2565-1 SDG: 03E20204004D

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Definitions/Glossary

Client: Ensolum Job ID: 890-2565-1 Project/Site: RASPBERRY STATE COM #001

SDG: 03E20204004D

Qualifiers

Metals

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)

CI

MPN

MQL

NC

ND NEG

POS

PQL

QC

RER

RL RPD

TEF

TEQ

TNTC

PRES

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
Percent Recovery
Contains Free Liquid
Colony Forming Unit
Contains No Free Liquid
Duplicate Error Ratio (normalized absolute difference)
Dilution Factor
Detection Limit (DoD/DOE)
Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
Decision Level Concentration (Radiochemistry)
Estimated Detection Limit (Dioxin)
Limit of Detection (DoD/DOE)
Limit of Quantitation (DoD/DOE)
EPA recommended "Maximum Contaminant Level"
Minimum Detectable Activity (Radiochemistry)
Minimum Detectable Concentration (Radiochemistry)
Method Detection Limit
Minimum Level (Dioxin)

Case Narrative

Client: Ensolum

Project/Site: RASPBERRY STATE COM #001

Job ID: 890-2565-1

SDG: 03E20204004D

Job ID: 890-2565-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-2565-1

Receipt

The samples were received on 7/15/2022 10:09 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 4.8°C

Metals

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: 890-2565-1

Client Sample Results

Client: Ensolum Job ID: 890-2565-1 Project/Site: RASPBERRY STATE COM #001 SDG: 03E20204004D

Client Sample ID: FS03

Da Dat

Sample Depth: 2

ate Collected: 07/13/22 10:55		Matrix: Solid
ate Received: 07/15/22 10:09		

Method: 29B SAR - Sodium Adsorption Ratio								
Analyte	Result (Qualifier RL	Unit	D	Prepared	Analyzed	Dil Fac	
Na	148	0.500	mg/L		07/29/22 10:00	07/30/22 01:24	1	
Ca	50.1	0.200	mg/L		07/29/22 10:00	07/30/22 01:24	1	
Mg	3.63	0.400	mg/L		07/29/22 10:00	07/30/22 01:24	1	
K	5.31	0.500	mg/L		07/29/22 10:00	07/30/22 01:24	1	
Sodium Adsorption Ratio	5.44	0.100	NONE		07/29/22 10:00	08/09/22 15:13	1	

Client Sample ID: FS04 Lab Sample ID: 890-2565-2

Date Collected: 07/13/22 11:10 Date Received: 07/15/22 10:09

Sample Depth: 2

Method: 29B SAR - Sodium Adsorption Ratio									
Analyte	Result C	Qualifier RL	Unit	D	Prepared	Analyzed	Dil Fac		
Na	249	25.0	mg/L		07/29/22 10:00	07/30/22 01:46	50		
Са	21.8	0.200	mg/L		07/29/22 10:00	07/30/22 01:27	1		
Mg	1.75	0.400	mg/L		07/29/22 10:00	07/30/22 01:27	1		
K	2.82	0.500	mg/L		07/29/22 10:00	07/30/22 01:27	1		
Sodium Adsorption Ratio	13.8	0.100	NONE		07/29/22 10:00	08/09/22 15:13	1		

Client Sample ID: FS05 Lab Sample ID: 890-2565-3 Date Collected: 07/13/22 11:15 **Matrix: Solid**

Date Received: 07/15/22 10:09

Sample Depth: 1.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Na	179		0.500	mg/L		07/29/22 10:00	07/30/22 01:31	1
Са	41.1		0.200	mg/L		07/29/22 10:00	07/30/22 01:31	1
Mg	1.25		0.400	mg/L		07/29/22 10:00	07/30/22 01:31	1
K	7.62		0.500	mg/L		07/29/22 10:00	07/30/22 01:31	1
Sodium Adsorption Ratio	7.51		0.100	NONE		07/29/22 10:00	08/09/22 15:13	1

Client Sample ID: FS06 Lab Sample ID: 890-2565-4 Matrix: Solid Date Collected: 07/13/22 11:20

Date Received: 07/15/22 10:09

Sample Depth: 2

Method: 29B SAR - Sodium Adsorption Ratio									
Analyte	Result Qualifi	er RL	Unit	D	Prepared	Analyzed	Dil Fac		
Na	109	1.00	mg/L		07/29/22 10:00	07/30/22 01:35	2		
Ca	14.4	0.400	mg/L		07/29/22 10:00	07/30/22 01:35	2		
Mg	2.16	0.800	mg/L		07/29/22 10:00	07/30/22 01:35	2		
K	3.97	1.00	mg/L		07/29/22 10:00	07/30/22 01:35	2		
Sodium Adsorption Ratio	7.06	0.100	NONE		07/29/22 10:00	08/09/22 15:13	1		

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Matrix: Solid

QC Sample Results

Client: Ensolum Job ID: 890-2565-1 Project/Site: RASPBERRY STATE COM #001 SDG: 03E20204004D

Method: 29B SAR - Sodium Adsorption Ratio

Lab Sample ID: MB 860-62952/1-A

Matrix: Solid

Analysis Batch: 63045

Client Sample	D:	Method	Blank
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Prep Type: Soluble

Prep Batch: 62952

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Na	<0.500	U	0.500	mg/L		07/29/22 11:35	07/30/22 01:16	1
Ca	<0.200	U	0.200	mg/L		07/29/22 11:35	07/30/22 01:16	1
Mg	<0.400	U	0.400	mg/L		07/29/22 11:35	07/30/22 01:16	1
K	<0.500	U	0.500	mg/L		07/29/22 11:35	07/30/22 01:16	1

QC Association Summary

Client: Ensolum
Project/Site: RASPBERRY STATE COM #001

Job ID: 890-2565-1 SDG: 03E20204004D

Metals

Prep Batch: 62945

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2565-1	FS03	Total/NA	Solid	29B	62952
890-2565-2	FS04	Total/NA	Solid	29B	62952
890-2565-3	FS05	Total/NA	Solid	29B	62952
890-2565-4	FS06	Total/NA	Solid	29B	62952

Prep Batch: 62952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
890-2565-1	FS03	Total/NA	Solid	29B	
890-2565-2	FS04	Total/NA	Solid	29B	
890-2565-3	FS05	Total/NA	Solid	29B	
890-2565-4	FS06	Total/NA	Solid	29B	
MB 860-62952/1-A	Method Blank	Soluble	Solid	29B	

Analysis Batch: 63045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2565-1	FS03	Total/NA	Solid	29B SAR	62945
890-2565-2	FS04	Total/NA	Solid	29B SAR	62945
890-2565-2	FS04	Total/NA	Solid	29B SAR	62945
890-2565-3	FS05	Total/NA	Solid	29B SAR	62945
890-2565-4	FS06	Total/NA	Solid	29B SAR	62945
MB 860-62952/1-A	Method Blank	Soluble	Solid	29B SAR	62952

Analysis Batch: 64216

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2565-1	FS03	Total/NA	Solid	29B SAR	62945
890-2565-2	FS04	Total/NA	Solid	29B SAR	62945
890-2565-3	FS05	Total/NA	Solid	29B SAR	62945
890-2565-4	FS06	Total/NA	Solid	29B SAR	62945

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Client: Ensolum Job ID: 890-2565-1 Project/Site: RASPBERRY STATE COM #001 SDG: 03E20204004D

Client Sample ID: FS03 Lab Sample ID: 890-2565-1

Date Collected: 07/13/22 10:55 Matrix: Solid Date Received: 07/15/22 10:09

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	29B			100.18 g	100 g	62945	07/29/22 10:00	AGR	EETSC HOU
Total/NA	Prep	29B			100.18 g	100 g	62952	07/29/22 11:35	PB	EETSC HO
Total/NA	Analysis	29B SAR		1			63045	07/30/22 01:24	DP	EETSC HO
Total/NA	Prep	29B			100.18 g	100 g	62945	07/29/22 10:00	AGR	EETSC HO
Total/NA	Prep	29B			100.18 g	100 g	62952	07/29/22 11:35	PB	EETSC HO
Total/NA	Analysis	29B SAR		1			64216	08/09/22 15:13	DP	EETSC HO

Client Sample ID: FS04 Lab Sample ID: 890-2565-2 Date Collected: 07/13/22 11:10 **Matrix: Solid**

Date Received: 07/15/22 10:09

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep				100.01 g	100 g	62945	07/29/22 10:00	AGR	EETSC HOU
Total/NA	Prep	29B			100.01 g	100 g	62952	07/29/22 11:35	PB	EETSC HO
Total/NA	Analysis	29B SAR		1			63045	07/30/22 01:27	DP	EETSC HO
Total/NA	Prep	29B			100.01 g	100 g	62945	07/29/22 10:00	AGR	EETSC HO
Total/NA	Prep	29B			100.01 g	100 g	62952	07/29/22 11:35	PB	EETSC HO
Total/NA	Analysis	29B SAR		50			63045	07/30/22 01:46	DP	EETSC HO
Total/NA	Prep	29B			100.01 g	100 g	62945	07/29/22 10:00	AGR	EETSC HO
Total/NA	Prep	29B			100.01 g	100 g	62952	07/29/22 11:35	PB	EETSC HO
Total/NA	Analysis	29B SAR		1			64216	08/09/22 15:13	DP	EETSC HO

Client Sample ID: FS05 Lab Sample ID: 890-2565-3 Date Collected: 07/13/22 11:15 **Matrix: Solid**

Date Received: 07/15/22 10:09

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep				99.74 g	100 g	62945	07/29/22 10:00	AGR	EETSC HOU
Total/NA	Prep	29B			99.74 g	100 g	62952	07/29/22 11:35	PB	EETSC HO
Total/NA	Analysis	29B SAR		1			63045	07/30/22 01:31	DP	EETSC HO
Total/NA	Prep	29B			99.74 g	100 g	62945	07/29/22 10:00	AGR	EETSC HO
Total/NA	Prep	29B			99.74 g	100 g	62952	07/29/22 11:35	PB	EETSC HO
Total/NA	Analysis	29B SAR		1			64216	08/09/22 15:13	DP	EETSC HO

Client Sample ID: FS06 Lab Sample ID: 890-2565-4 Date Collected: 07/13/22 11:20

Date Received: 07/15/22 10:09

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	29B			100.3 g	100 g	62945	07/29/22 10:00	AGR	EETSC HOU
Total/NA	Prep	29B			100.30 g	100 g	62952	07/29/22 11:35	РВ	EETSC HO
Total/NA	Analysis	29B SAR		2			63045	07/30/22 01:35	DP	EETSC HO
Total/NA	Prep	29B			100.3 g	100 g	62945	07/29/22 10:00	AGR	EETSC HO
Total/NA	Prep	29B			100.30 g	100 g	62952	07/29/22 11:35	PB	EETSC HO
Total/NA	Analysis	29B SAR		1			64216	08/09/22 15:13	DP	EETSC HO

Eurofins Carlsbad

Matrix: Solid

Lab Chronicle

Client: Ensolum

Project/Site: RASPBERRY STATE COM #001

SDG: 03E20204004D

Job ID: 890-2565-1

Laboratory References:

EETSC HOU = Eurofins Houston, 4147 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Accreditation/Certification Summary

Client: Ensolum Job ID: 890-2565-1
Project/Site: RASPBERRY STATE COM #001 SDG: 03E20204004D

Laboratory: Eurofins Houston

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

Authority		Program	Identification Number	Expiration Date
Texas		NELAP	T104704215-22-47	06-30-23
The following analytes	• '	but the laboratory is not certif	ied by the governing authority. This list ma	ay include analytes for whic
Analysis Method	Prep Method	Matrix	Analyte	
29B SAR	29B	Solid	Ca	
29B SAR	29B	Solid	K	
29B SAR	29B	Solid	Mg	
29B SAR	29B	Solid	Na	

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Method Summary

Client: Ensolum

Project/Site: RASPBERRY STATE COM #001

Job ID: 890-2565-1

SDG: 03E20204004D

Method	Method Description	Protocol	Laboratory
29B SAR	Sodium Adsorption Ratio	LA	EETSC HOU
29B	Preparation, Dry, Grind and Sieve	LA	EETSC HOU
29B	Preparation, Sodium Absorption Ratio	LA	EETSC HOU

Protocol References:

LA = Statewide Order No. 29-B, State Of Louisianna

Laboratory References:

EETSC HOU = Eurofins Houston, 4147 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

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Sample Summary

Client: Ensolum

Project/Site: RASPBERRY STATE COM #001

Job ID: 890-2565-1

SDG: 03E20204004D

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2565-1	FS03	Solid	07/13/22 10:55	07/15/22 10:09	2
890-2565-2	FS04	Solid	07/13/22 11:10	07/15/22 10:09	2
890-2565-3	FS05	Solid	07/13/22 11:15	07/15/22 10:09	1.5
890-2565-4	FS06	Solid	07/13/22 11:20	07/15/22 10:09	2

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Work Order No:

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334

Environment Testing

eurofins ...

Chain of Custody

EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296

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Project Manager:	Kalei Jennings	3.8		Bill to: (if different)	t)		Work Orde	Work Order Comments	
Company Name:	Ensolum			Company Name:			Program: UST/PST □ PRP□	Brownfields	Dun
Address:	-	Park Hung	4	Address:			State of Project:		
City, State ZIP:	canspact NM	A 88120		City, State ZIP:	1		Reporting: Level II Level III] PST/UST	□
Phone:	8176732503	27	Email:	kyennings	6	ensalum can	Deliverables: EDD /	ADaPT ☐ Other:	
Project Name:	Rasplemy State contact	C. COM HOS	1	Turn Around		ANALYSIS REQUEST	UEST	Preservative Codes	
Project Number:	03£202 40014p	4	R outine	Rush	Pres. Code			None: NO DI Water: H ₂ O	H ₂ O
Project Location:	Lea canning	MYA	Due Date:	aday to	*			70	41
Sampler's Name:	in chan		TAT starts the	TAT starts the day received by		_			
PO #:			וווב ומח' וו ובר	Elved by 4.30pm	SJR			H ₂ SO ₄ : H ₂ NaOH: Na	
SAMPLE RECEIPT	+	© ©	Wet Ice:	Mes No	mete			H ₃ PO ₄ : HP	
Samples Received Intact:	+	Thermometer ID:	er ID:	10M-004	Parar			NaHSO 4: NABIS	
Cooler Custody Seals:	1	Correction ractor:	-actor:	0		890-2565 Chain of Custodia		7. ACCUSTON 2001. 70	
Sample Custody Seals:	s: Yes No W/A	Temperature Reading:	e Reading:	200			Casicaly	NaOH+Ascorbic Acid: SAPC	
Iotal Containers:		Corrected	Corrected Temperature:	٥	0	_	-		
Sample Identification	tification Matrix	nix Date Sampled	Time	Depth Grab/	2₩ Cont of			Sample Comments	
F103	S	7115/22	1055	2,7	1				
だると	-	-	0	2					
5003			V	(2)					
6003	->	3	32	<u>د</u>	>				
Total 200.7 / 6010	10 200.8 / 6020:		8RCRA 13PPM	M Texas 11		B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni	Mo Ni K Se Ag SiO ₂	Na Sr TI Sn U V Zn	
Circle Method(s)	Circle Method(s) and Metal(s) to be analyzed	nalyzed	ICLP/S	ICLP/SPLP6010: 8KCKA	KA SD AS 58 be	SD AS Ba be ca cr to cu PD Min Mio Ni Se Ag	пу. Ioэ I	0/4/	
Notice: Signature of this document and relinquisi of service. Eurofins Xenco will be liable only for the Eurofins Xenco. A minimum charge of \$85.00.	cument and relinquishment of sa viil be liable only for the cost of sa um charge of \$85.00	amples constitutes a amples and shall not led to each project a	valid purchase orc assume any respo ind a charge of \$5	der from client compar onsibility for any losses for each sample subm	y to Eurofins Xenco, its affili or expenses incurred by the tted to Eurofins Xenco, but	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 fill be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco. A minimum charge of \$85.00 fill be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco. Dut not analyzed. These terms will be enforced unless previously negotiated.	erms and conditions beyond the control less previously negotiated.		
delinquished	Signature)	Received	Received by: (Signature)	e)	Date/Time	Relinquished by: (Ṣignature)	iture) Received by: (Signature)	sture) Date/Time	
- May	IN	1001	M		7-15-27	6001			
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Released to Imaging: 10/26/2022 2:48:49 PM

State, Zip: TX, 77477 City Stafford FS06 (890-2565-4) FS05 (890-2565-3) FS04 (890-2565-2) FS03 (890-2565-1) Sample Identification - Client ID (Lab ID) Carlsbad, NM 88220 Corrected Temp: 4, 4 RASPBERRY STATE COM #001 4147 Greenbriar Dr 1089 N Canal St. Deliverable Requested I II III, IV Other (specify) 281-240-4200(Tel) Shipping/Receiving Possible Hazard Identification Eurofins Environment Testing South Central, LLC attention immediately if all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing South Central, LLC. vote: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Certral, LLC places the ownership of method, analyte & accreditation compliance upon out subcortract laboratories. This sample shipment is forwarded under chain-of-custody. If the Relinquished by: and the samples must be shipped back to the Europhia Environment Testing South Central LLC laboratory or other instructions will be provided. Any changes to roject Name: ient Contact Custody Seals Intact: urofins Environment Testing South Centr npty Kit Relinquished by ient Information inquished by: quished by: (Sub Contract Lab) Custody Seal No. Temp: **3** C/F·+1.4 O IR ID:HOU-338 ¥0,4 Phone Date/Time: PO#. Due Date Requested: 7/21/2022 Primary Deliverable Rank: 2 89000094 TAT Requested (days):)ate/Time Sample Date roject #: 7/13/22 7/13/22 7/13/22 7/13/22 Chain of Custody Record Date Mountain 11 20 Mountain 11 15 Mountain 11 10 Mountai 10.55 (C=comp Sample Preservation Code: Type Company Compan) Company BT=Tissue, Solid Solid Solid Solid Lab PM. Kramer, Jessica Jessica.Kramer@et.eurofinsus.com l me Field Filtered Sample (Yes or No) NELAP Texas Accreditations Required (See note): Perform MS/MSD (Yes or No) Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For Mont Special Instructions/QC Requirements: 29B_SAR_Calc/29B_Prep_Solid (MOD) Local Method Cooler Temperature(s) °C and Other Remarks Received by × × × × Analysis Requested なん New Mexico Method of Shipment Date/Time: 16/22 Total Number of containers J DI Water K EDTA L EDA B NaOH
C Zin Acetate
C Zin Acetate
C Nahric Acid
E NaHSO4
F MeOH
Ascorbic Acid B NaOt C Zn A D Nitric E NaH: Page: Page 1 of 1 Preservation Codes 9 # 890-2565-1 Special Instructions/Note: **⊣ഗമ**ഉ Environment Testing 2 America Company Whene
A None
Ashao2
Ashao2
Na2O45
Na2S03
Ra2S203
Ra2S203
A Na2S203
A Na2S204
T TSP Dodecahydrate
U Acetone
U Acetone
U MCAA
W PH 4-5
W Trizma
Z other (specify) Months

Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-2565-1

SDG Number: 03E20204004D

Login Number: 2565 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: 890-2565-1 SDG Number: 03E20204004D

Login Number: 2565 **List Source: Eurofins Houston** List Number: 2

List Creation: 07/16/22 12:32 PM

Creator: Torres, Sandra

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	4.4
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	

<6mm (1/4").



ANALYTICAL REPORT

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

Laboratory Job ID: 890-2646-1

Laboratory Sample Delivery Group: Eddy County Client Project/Site: RASPBERRY STATE COM 1

Revision: 1

For:

eurofins 🔆

Ensolum 705 W. Wadley Suite 210 Midland, Texas 79701

Attn: Josh Adams

MEAMER

Authorized for release by: 8/9/2022 3:47:59 PM

Jessica Kramer, Project Manager (432)704-5440

Jessica.Kramer@et.eurofinsus.com

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

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

Review your project results through

.....LINKS

Have a Question?

Ask—The Expert

Visit us at: www.eurofinsus.com/Env

Released to Imaging: 10/26/2022 2:48:49 PM

Client: Ensolum Project/Site: RASPBERRY STATE COM 1 Laboratory Job ID: 890-2646-1 SDG: Eddy County

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Definitions/Glossary

Client: Ensolum

Job ID: 890-2646-1

Project/Site: RASPBERRY STATE COM 1

SDG: Eddy County

Qualifiers

GC VOA

Qualifier Qualifier Description

F1 MS and/or MSD recovery exceeds control limits.
S1- Surrogate recovery exceeds control limits, low biased.
U Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier Qualifier Description

U Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier Qualifier Description

U Indicates the analyte was analyzed for but not detected.

Metals

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.

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

Project/Site: RASPBERRY STATE COM 1

Job ID: 890-2646-1 SDG: Eddy County

Job ID: 890-2646-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-2646-1

REVISION

The report being provided is a revision of the original report sent on 8/4/2022. The report (revision 1) is being revised due to Final report to include SAR data.

Report revision history

Receipt

The samples were received on 7/25/2022 3:50 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 21.4°C

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

GC Semi VOA

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

HPLC/IC

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

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

Lab Sample ID: 890-2646-1

Client: Ensolum Job ID: 890-2646-1
Project/Site: RASPBERRY STATE COM 1 SDG: Eddy County

Client Sample ID: SS07A 2

Date Collected: 07/25/22 11:25 Date Received: 07/25/22 15:50

Sample Depth: 2

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		08/04/22 08:51	08/04/22 16:21	1
Toluene	<0.00201	U	0.00201	mg/Kg		08/04/22 08:51	08/04/22 16:21	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		08/04/22 08:51	08/04/22 16:21	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		08/04/22 08:51	08/04/22 16:21	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		08/04/22 08:51	08/04/22 16:21	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		08/04/22 08:51	08/04/22 16:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130			08/04/22 08:51	08/04/22 16:21	1
1,4-Difluorobenzene (Surr)	96		70 - 130			08/04/22 08:51	08/04/22 16:21	1

	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Total BTEX	<0.00402	U	0.00402	mg/Kg			08/04/22 19:50	1
Ξ									

Method: 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			07/31/22 10:38	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result C	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.9 U	J	49.9	mg/Kg		07/29/22 08:50	07/30/22 20:55	1	
Diesel Range Organics (Over C10-C28)	<49.9 L	J	49.9	mg/Kg		07/29/22 08:50	07/30/22 20:55	1	
Oll Range Organics (Over C28-C36)	<49.9 L	J	49.9	mg/Kg		07/29/22 08:50	07/30/22 20:55	1	

Surrogate	%Recovery	Qualifier	Limits	Prepared Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	07/29/22 08:50 07/30/22 20:55	1
o-Terphenyl	108		70 - 130	07/29/22 08:50 07/30/22 20:55	1

wethod: 300.0 - Amons, for Chromatography - Soluble								
	Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	28.2	4.99	mg/Kg			07/31/22 14:37	1

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Na	11.3	0.500	mg/L		08/08/22 11:52	08/09/22 04:21	1
Ca	25.5	0.200	mg/L		08/08/22 11:52	08/09/22 04:21	1
Mg	1.36	0.400	mg/L		08/08/22 11:52	08/09/22 04:21	1
K	3.58	0.500	mg/L		08/08/22 11:52	08/09/22 04:21	1
Sodium Adsorption Ratio	0.590	0.100	NONE		08/08/22 11:52	08/09/22 15:13	1

Client Sample ID: SS08 1	Lab Sample ID: 890-2646-2
Date Collected: 07/25/22 11:30	Matrix: Solid

Sample Depth: 1

Date Received: 07/25/22 15:50

Method: 8021B - Volatile Orga	nic Compour	nds (GC)					
Analyte	Result C	Qualifier	RL	Unit D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199 L	J	0.00199	mg/Kg	08/04/22 08:51	08/04/22 16:42	1

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Lab Sample ID: 890-2646-2

07/31/22 10:38

Client: Ensolum Job ID: 890-2646-1 Project/Site: RASPBERRY STATE COM 1 SDG: Eddy County

Client Sample ID: SS08 1

Date Collected: 07/25/22 11:30 Date Received: 07/25/22 15:50

Sample Depth: 1

Total TPH

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.00199	U	0.00199	mg/Kg		08/04/22 08:51	08/04/22 16:42	1
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		08/04/22 08:51	08/04/22 16:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		08/04/22 08:51	08/04/22 16:42	1
o-Xylene	< 0.00199	U	0.00199	mg/Kg		08/04/22 08:51	08/04/22 16:42	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		08/04/22 08:51	08/04/22 16:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130			08/04/22 08:51	08/04/22 16:42	1
1,4-Difluorobenzene (Surr)	95		70 - 130			08/04/22 08:51	08/04/22 16:42	1
Method: Total BTEX - Total	BTEX Calcula	tion						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			08/04/22 19:50	1
Method: 8015 NM - Diesel	Range Organic	s (DRO) (0	SC)					
Analyte	•	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		07/29/22 08:50	07/30/22 21:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		07/29/22 08:50	07/30/22 21:58	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		07/29/22 08:50	07/30/22 21:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130			07/29/22 08:50	07/30/22 21:58	1
o-Terphenyl	99		70 - 130			07/29/22 08:50	07/30/22 21:58	1

49.9

mg/Kg

<49.9 U

Method: 300.0 - Anions, Ion Cl	hromatography - Solubl	le					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24.3	4.98	mg/Kg			07/31/22 14:47	1
Method: 29B SAR - Sodium Ad	dsorption Ratio						
Δnalvte	Result Qualifier	RI	Unit	ח	Prepared	Analyzed	Dil Fac

Method: 29B SAR - Sodiun	n Adsorption Ratio						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Na	16.2	0.500	mg/L		08/08/22 11:52	08/09/22 04:28	1
Ca	37.6	0.200	mg/L		08/08/22 11:52	08/09/22 04:28	1
Mg	2.22	0.400	mg/L		08/08/22 11:52	08/09/22 04:28	1
K	10.1	0.500	mg/L		08/08/22 11:52	08/09/22 04:28	1
Sodium Adsorption Ratio	0.694	0.100	NONE		08/08/22 11:52	08/09/22 15:13	1

Client Sample ID: SS08 2 Lab Sample ID: 890-2646-3 Date Collected: 07/25/22 11:45 **Matrix: Solid** Date Received: 07/25/22 15:50

Sample Depth: 2

Method: 8021B - Volatile Orgar	nic Compo	unds (GC)					
Analyte	Result	Qualifier	RL	Unit	D Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg	08/04/22 08:51	08/04/22 17:02	1
Toluene	< 0.00201	U	0.00201	mg/Kg	08/04/22 08:51	08/04/22 17:02	1

Lab Sample ID: 890-2646-3

Client: Ensolum Job ID: 890-2646-1 Project/Site: RASPBERRY STATE COM 1 SDG: Eddy County

Client Sample ID: SS08 2

Date Collected: 07/25/22 11:45 Date Received: 07/25/22 15:50

Sample Depth: 2

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		08/04/22 08:51	08/04/22 17:02	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		08/04/22 08:51	08/04/22 17:02	1
o-Xylene	< 0.00201	U	0.00201	mg/Kg		08/04/22 08:51	08/04/22 17:02	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		08/04/22 08:51	08/04/22 17:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130			08/04/22 08:51	08/04/22 17:02	1
1,4-Difluorobenzene (Surr)	95		70 - 130			08/04/22 08:51	08/04/22 17:02	1
Total BTEX Method: 8015 NM - Diesel Rar	•	s (DRO) (0	•	mg/Kg			08/04/22 19:50	1
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH : Method: 8015B NM - Diesel Ra	<50.0		50.0 (GC)	mg/Kg			07/31/22 10:38	1
Analyte	_	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		07/29/22 08:50	07/30/22 22:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/29/22 08:50	07/30/22 22:20	1
Oll Range Organics (Over C28-C36)	<50.0	1.1	50.0	mg/Kg		07/20/22 00.50	07/30/22 22:20	4

1-Chlorooctane	89	70 - 130	07/29/22 08:50 07/30/22 22:20	1
o-Terphenyl	93	70 - 130	07/29/22 08:50 07/30/22 22:20	1
Method: 300.0 - Anions, Ion Cl	romatography - 9	Soluble		

Limits

%Recovery Qualifier

Result Qualifier Analyte RL Unit Analyzed Dil Fac D Prepared 5.00 07/31/22 14:56 mg/Kg **Chloride** 23.0

Method: 29B SAR - Sodium	-			_			
Analyte	Result Qualifier	RL	Unit	ט	Prepared	Analyzed	Dil Fac
Na	14.5	0.500	mg/L		08/08/22 11:52	08/09/22 04:32	1
Ca	33.2	0.200	mg/L		08/08/22 11:52	08/09/22 04:32	1
Mg	2.26	0.400	mg/L		08/08/22 11:52	08/09/22 04:32	1
K	9.78	0.500	mg/L		08/08/22 11:52	08/09/22 04:32	1
Sodium Adsorption Ratio	0.658	0.100	NONE		08/08/22 11:52	08/09/22 15:13	1

Client Sample ID: SS09 1.5 Lab Sample ID: 890-2646-4 Date Collected: 07/25/22 12:05 **Matrix: Solid**

Date Received: 07/25/22 15:50 Sample Depth: 1.5

Surrogate

Method: 8021B - Volatile C	Organic Compound	ds (GC)					
Analyte	Result Qu	ualifier RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200 U	0.00200	mg/Kg		08/04/22 08:51	08/04/22 17:23	1
Toluene	<0.00200 U	0.00200	mg/Kg		08/04/22 08:51	08/04/22 17:23	1
Ethylbenzene	<0.00200 U	0.00200	mg/Kg		08/04/22 08:51	08/04/22 17:23	1

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Dil Fac

1

Analyzed

Prepared

8/9/2022 (Rev. 1)

Lab Sample ID: 890-2646-4

Client: Ensolum

Job ID: 890-2646-1 Project/Site: RASPBERRY STATE COM 1 SDG: Eddy County

Client Sample ID: SS09 1.5 Date Collected: 07/25/22 12:05 Date Received: 07/25/22 15:50

Sample Depth: 1.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		08/04/22 08:51	08/04/22 17:23	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/04/22 08:51	08/04/22 17:23	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		08/04/22 08:51	08/04/22 17:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			08/04/22 08:51	08/04/22 17:23	1
1,4-Difluorobenzene (Surr)	97		70 - 130			08/04/22 08:51	08/04/22 17:23	1

mothod. Total BTEX - Total BT	LX Galcala							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			08/04/22 19:50	1
Г., .,								

Method: 80	015 NM - Diesel Range Organi	CS (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			07/31/22 10:38	1
				0 0				

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		07/29/22 08:50	07/30/22 22:41	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		07/29/22 08:50	07/30/22 22:41	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/29/22 08:50	07/30/22 22:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130			07/29/22 08:50	07/30/22 22:41	1
o-Terphenyl	100		70 - 130			07/29/22 08:50	07/30/22 22:41	1

o-rerprienyi	100		70 - 130			07/29/22 00.50	01/30/22 22.41	,
Method: 300.0 - Anions, Ion Ch	romatogra	phy - Solu	ble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.2		5.05	mg/Kg			07/31/22 15:05	1

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Na	8.44	0.500	mg/L		08/08/22 11:52	08/09/22 04:58	1
Ca	25.6	0.200	mg/L		08/08/22 11:52	08/09/22 04:58	1
Mg	1.53	0.400	mg/L		08/08/22 11:52	08/09/22 04:58	1
K	11.7	0.500	mg/L		08/08/22 11:52	08/09/22 04:58	1
Sodium Adsorption Ratio	0.438	0.100	NONE		08/08/22 11:52	08/09/22 15:13	1

Client Sample ID: SS09 2	Lab Sample ID: 890-2646-5
Date Collected: 07/25/22 12:15	Matrix: Solid

Date Received: 07/25/22 15:50

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)											
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac			
Benzene	<0.00199	U	0.00199	mg/Kg		08/04/22 08:51	08/04/22 17:43	1			
Toluene	<0.00199 U	U	0.00199	mg/Kg		08/04/22 08:51	08/04/22 17:43	1			
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		08/04/22 08:51	08/04/22 17:43	1			
m-Xylene & p-Xylene	<0.00398 \	U	0.00398	mg/Kg		08/04/22 08:51	08/04/22 17:43	1			

Client: Ensolum Project/Site: RASPBERRY STATE COM 1

Job ID: 890-2646-1

SDG: Eddy County

Lab Sample ID: 890-2646-5 Client Sample ID: SS09 2 Date Collected: 07/25/22 12:15

Matrix: Solid

Date Received: 07/25/22 15:50 Sample Depth: 2

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00199	U	0.00199	mg/Kg		08/04/22 08:51	08/04/22 17:43	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		08/04/22 08:51	08/04/22 17:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130			08/04/22 08:51	08/04/22 17:43	1
1,4-Difluorobenzene (Surr)	94		70 - 130			08/04/22 08:51	08/04/22 17:43	1
Method: Total BTEX - Tota	BTEX Calcula	tion						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398		0.00398	mg/Kg			08/04/22 19:50	

ĺ	Method: 8015 NM - Diesel Ran	ge Organic	s (DRO) (GO	C)					
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Total TPH	<50.0	U	50.0	mg/Kg			07/31/22 10:38	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		07/29/22 08:50	07/30/22 23:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/29/22 08:50	07/30/22 23:02	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/29/22 08:50	07/30/22 23:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130			07/29/22 08:50	07/30/22 23:02	1
o-Terphenyl	97		70 - 130			07/29/22 08:50	07/30/22 23:02	1

Method: 300.0 - Anions, Ion C	hromatograph	y - Soluble					
Analyte	Result Qu	ıalifier RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.3	4.99	mg/Kg			07/31/22 15:14	1

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Na	9.57	0.500	mg/L		08/08/22 11:52	08/09/22 05:01	1
Ca	26.2	0.200	mg/L		08/08/22 11:52	08/09/22 05:01	1
Mg	1.42	0.400	mg/L		08/08/22 11:52	08/09/22 05:01	1
K	9.75	0.500	mg/L		08/08/22 11:52	08/09/22 05:01	1
Sodium Adsorption Ratio	0.493	0.100	NONE		08/08/22 11:52	08/09/22 15:13	1

Client Sample ID: SS10 1	Lab Sample ID: 890-2646-6
Date Collected: 07/25/22 12:20	Matrix: Solid
Date Received: 07/25/22 15:50	

Sample Depth: 1

Method: 8021B - Volatile	Method: 8021B - Volatile Organic Compounds (GC)											
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac				
Benzene	<0.00198	U	0.00198	mg/Kg		08/04/22 08:51	08/04/22 18:04	1				
Toluene	<0.00198	U	0.00198	mg/Kg		08/04/22 08:51	08/04/22 18:04	1				
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		08/04/22 08:51	08/04/22 18:04	1				
m-Xylene & p-Xylene	< 0.00397	U	0.00397	mg/Kg		08/04/22 08:51	08/04/22 18:04	1				
o-Xylene	<0.00198	U	0.00198	mg/Kg		08/04/22 08:51	08/04/22 18:04	1				

Client: Ensolum Job ID: 890-2646-1 Project/Site: RASPBERRY STATE COM 1 SDG: Eddy County

Client Sample ID: SS10 1

Lab Sample ID: 890-2646-6 Date Collected: 07/25/22 12:20 **Matrix: Solid** Date Received: 07/25/22 15:50

Sample Depth: 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		08/04/22 08:51	08/04/22 18:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			08/04/22 08:51	08/04/22 18:04	1
1,4-Difluorobenzene (Surr)	94		70 - 130			08/04/22 08:51	08/04/22 18:04	1
Method: Total BTEX - Total	BTEX Calcula	tion						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Welliou. Iolai DIEA - Iolai DII	LA Calculat	lion						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397	mg/Kg			08/04/22 19:50	1

Method: 8015 NM - Diesei Rang	ge Organic	s (DRO) (G	iC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			07/31/22 10:38	1

Method: 8015B NM - Diesel R	ange Organ	ics (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		07/29/22 08:50	07/30/22 23:23	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		07/29/22 08:50	07/30/22 23:23	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/29/22 08:50	07/30/22 23:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 130			07/29/22 08:50	07/30/22 23:23	1

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Method: 300.0 - Anions, lor	n Chromatography - Solubl	le						
o-Terphenyl	101	70 - 130			07/29/22 08:50	07/30/22 23:23	1	
1-Chiorooctane	90	70 - 130			07/29/22 08:50	07/30/22 23:23	7	

5.04

13.8

mg/Kg

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Na	10.6	0.500	mg/L		08/08/22 11:52	08/09/22 05:05	1
Ca	35.2	0.200	mg/L		08/08/22 11:52	08/09/22 05:05	1
Mg	2.08	0.400	mg/L		08/08/22 11:52	08/09/22 05:05	1
K	9.19	0.500	mg/L		08/08/22 11:52	08/09/22 05:05	1
Sodium Adsorption Ratio	0.468	0.100	NONE		08/08/22 11:52	08/09/22 15:13	1

Client Sample ID: SS10 2 Lab Sample ID: 890-2646-7 Date Collected: 07/25/22 12:30 **Matrix: Solid**

Date Received: 07/25/22 15:50

Sample Depth: 2

Chloride

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		08/04/22 08:51	08/04/22 18:24	1
Toluene	<0.00201	U	0.00201	mg/Kg		08/04/22 08:51	08/04/22 18:24	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		08/04/22 08:51	08/04/22 18:24	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		08/04/22 08:51	08/04/22 18:24	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		08/04/22 08:51	08/04/22 18:24	1
Xylenes, Total	< 0.00402	U	0.00402	mg/Kg		08/04/22 08:51	08/04/22 18:24	1

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07/31/22 15:23

Lab Sample ID: 890-2646-7

Client Sample Results

Client: Ensolum Job ID: 890-2646-1 Project/Site: RASPBERRY STATE COM 1 SDG: Eddy County

Client Sample ID: SS10 2

Date Collected: 07/25/22 12:30 Date Received: 07/25/22 15:50

Sample Depth: 2

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109	70 - 130	08/04/22 08:51	08/04/22 18:24	1
1,4-Difluorobenzene (Surr)	95	70 - 130	08/04/22 08:51	08/04/22 18:24	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			08/04/22 19:50	1

Method:	8015	NM -	Diesel	Range	Orga	nics	(DRO)	(GC)
					_			

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			07/31/22 10:38	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		07/29/22 08:50	07/30/22 23:43	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		07/29/22 08:50	07/30/22 23:43	1
C10-C28)								
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		07/29/22 08:50	07/30/22 23:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130	07/29/22 08:50	07/30/22 23:43	1
o-Terphenyl	88		70 - 130	07/29/22 08:50	07/30/22 23:43	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.7		5.00	mg/Kg			07/31/22 15:33	1

Method: 29B SAR - Sodium Adsorption Ratio

Analyte	Result Qualifie	er RL	Unit	D	Prepared	Analyzed	Dil Fac
Na	10.6	0.500	mg/L		08/08/22 11:52	08/09/22 05:08	1
Ca	34.4	0.200	mg/L		08/08/22 11:52	08/09/22 05:08	1
Mg	1.91	0.400	mg/L		08/08/22 11:52	08/09/22 05:08	1
K	7.37	0.500	mg/L		08/08/22 11:52	08/09/22 05:08	1
Sodium Adsorption Ratio	0.474	0.100	NONE		08/08/22 11:52	08/09/22 15:13	1

Surrogate Summary

Job ID: 890-2646-1 Client: Ensolum Project/Site: RASPBERRY STATE COM 1 SDG: Eddy County

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

		BFB1	DFBZ1	ent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-17728-A-1-A MS	Matrix Spike	105	97	
880-17728-A-1-B MSD	Matrix Spike Duplicate	102	97	
890-2646-1	SS07A 2	110	96	
890-2646-2	SS08 1	114	95	
890-2646-3	SS08 2	116	95	
890-2646-4	SS09 1.5	115	97	
890-2646-5	SS09 2	124	94	
890-2646-6	SS10 1	113	94	
890-2646-7	SS10 2	109	95	
890-2675-A-1-E MS	Matrix Spike	50 S1-	103	
890-2675-A-1-F MSD	Matrix Spike Duplicate	99	96	
LCS 880-31415/1-A	Lab Control Sample	95	97	
LCS 880-31465/1-A	Lab Control Sample	103	94	
LCSD 880-31415/2-A	Lab Control Sample Dup	103	100	
LCSD 880-31465/2-A	Lab Control Sample Dup	106	97	
MB 880-31415/5-A	Method Blank	98	90	
MB 880-31465/5-A	Method Blank	100	91	
Surrogate Legend				
BFB = 4-Bromofluorobe	enzene (Surr)			
DFBZ = 1,4-Difluorobe	nzene (Surr)			

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

Matrix: Solid Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)						
		1CO1	OTPH1					
Lab Sample ID	Client Sample ID	(70-130)	(70-130)					
890-2646-1	SS07A 2	93	108					
890-2646-1 MS	SS07A 2	87	84					
890-2646-1 MSD	SS07A 2	87	84					
890-2646-2	SS08 1	91	99					
890-2646-3	SS08 2	89	93					
890-2646-4	SS09 1.5	90	100					
890-2646-5	SS09 2	85	97					
890-2646-6	SS10 1	90	101					
890-2646-7	SS10 2	82	88					
LCS 880-30965/2-A	Lab Control Sample	101	102					
LCSD 880-30965/3-A	Lab Control Sample Dup	93	93					
MB 880-30965/1-A	Method Blank	91	101					

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OTPH = o-Terphenyl

Client: Ensolum Job ID: 890-2646-1 Project/Site: RASPBERRY STATE COM 1 SDG: Eddy County

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-31415/5-A

Matrix: Solid

Analysis Batch: 31452

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 31415

	MB	МВ						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/03/22 11:47	08/04/22 22:09	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/03/22 11:47	08/04/22 22:09	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/03/22 11:47	08/04/22 22:09	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		08/03/22 11:47	08/04/22 22:09	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/03/22 11:47	08/04/22 22:09	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		08/03/22 11:47	08/04/22 22:09	1

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98	70 - 130	08/03/22 11:47	08/04/22 22:09	1
1,4-Difluorobenzene (Surr)	90	70 - 130	08/03/22 11:47	08/04/22 22:09	1

Lab Sample ID: LCS 880-31415/1-A

Matrix: Solid

Analysis Batch: 31452

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 31415

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.07415		mg/Kg		74	70 - 130	
Toluene	0.100	0.08000		mg/Kg		80	70 - 130	
Ethylbenzene	0.100	0.08374		mg/Kg		84	70 - 130	
m-Xylene & p-Xylene	0.200	0.1516		mg/Kg		76	70 - 130	
o-Xylene	0.100	0.09408		mg/Kg		94	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	95	70 - 130
1,4-Difluorobenzene (Surr)	97	70 - 130

Lab Sample ID: LCSD 880-31415/2-A

Matrix: Solid

Analysis Batch: 31452

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

Prep Batch: 31415

	Spike	LCSD LC	SD		%Rec		RPD
Analyte	Added	Result Qu	ıalifier Unit	D %Re	c Limits	RPD	Limit
Benzene	0.100	0.09442	mg/Kg		70 - 130	24	35
Toluene	0.100	0.09278	mg/Kg	g	3 70 - 130	15	35
Ethylbenzene	0.100	0.09278	mg/Kg	g	3 70 - 130	10	35
m-Xylene & p-Xylene	0.200	0.1873	mg/Kg	S	4 70 - 130	21	35
o-Xylene	0.100	0.1101	mg/Kg	11	0 70 - 130	16	35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1.4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 890-2675-A-1-E MS

Matrix: Solid

Analysis Batch: 31452

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

Prep Batch: 31415

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00201	U	0.100	0.09578		mg/Kg		95	70 - 130	
Toluene	<0.00201	U	0.100	0.09337		mg/Kg		93	70 - 130	

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QC Sample Results

Client: Ensolum Job ID: 890-2646-1 Project/Site: RASPBERRY STATE COM 1 SDG: Eddy County

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

Client Sample ID: Matrix Spike Lab Sample ID: 890-2675-A-1-E MS **Matrix: Solid** Prep Type: Total/NA Prep Batch: 31415 **Analysis Batch: 31452**

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00201	U	0.100	0.09244		mg/Kg		92	70 - 130	
m-Xylene & p-Xylene	<0.00402	U	0.201	0.1855		mg/Kg		92	70 - 130	
o-Xylene	<0.00201	U	0.100	0.1073		mg/Kg		107	70 - 130	

MS MS Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 70 - 130 50 1,4-Difluorobenzene (Surr) 103 70 - 130

Lab Sample ID: 890-2675-A-1-F MSD **Client Sample ID: Matrix Spike Duplicate Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 31452

Prep Batch: 31415 Sample Sample Spike MSD MSD %Rec **RPD** Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD Limit Benzene <0.00201 U 0.0998 0.08952 90 70 - 130 7 35 mg/Kg Toluene <0.00201 U 0.0998 0.08599 86 70 - 130 35 mg/Kg 8 Ethylbenzene <0.00201 U 0.0998 0.08552 mg/Kg 86 70 - 130 8 35

0.1709

mg/Kg

mg/Kg

86

97

70 - 130

70 - 130

Client Sample ID: Lab Control Sample

8

10

Prep Type: Total/NA Prep Batch: 31465

35

0.200

70 - 130

o-Xylene	<0.00201	U	0.0998	0.09674	
	MSD	MSD			
Surrogate	%Recovery	Qualifier	Limits		
4-Bromofluorobenzene (Surr)	99		70 - 130		

96

<0.00402 U

Lab Sample ID: MB 880-31465/5-A **Client Sample ID: Method Blank**

Matrix: Solid

1,4-Difluorobenzene (Surr)

m-Xylene & p-Xylene

Analysis Batch: 31452

MB MB Result Qualifier Unit **Analyte** RL **Prepared** Analyzed Dil Fac Benzene <0.00200 U 0.00200 mg/Kg 08/04/22 08:51 08/04/22 10:53 Toluene <0.00200 U 0.00200 mg/Kg 08/04/22 08:51 08/04/22 10:53 Ethylbenzene <0.00200 U 0.00200 mg/Kg 08/04/22 08:51 08/04/22 10:53 m-Xylene & p-Xylene <0.00400 U 0.00400 mg/Kg 08/04/22 08:51 08/04/22 10:53 08/04/22 08:51 08/04/22 10:53 o-Xylene <0.00200 U 0.00200 mg/Kg Xylenes, Total <0.00400 U 0.00400 08/04/22 08:51 08/04/22 10:53 mg/Kg

MB MB Surrogate Qualifier I imits Dil Fac %Recovery Prepared Analyzed 4-Bromofluorobenzene (Surr) 70 - 130 08/04/22 08:51 08/04/22 10:53 100 1,4-Difluorobenzene (Surr) 70 - 130 08/04/22 08:51 08/04/22 10:53 91

Lab Sample ID: LCS 880-31465/1-A

Matrix: Solid Analysis Batch: 31452							Prep Type: Tota Prep Batch: 31	
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09988		mg/Kg		100	70 - 130	
Toluene	0.100	0.1006		mg/Kg		101	70 - 130	
Ethylbenzene	0.100	0.1038		mg/Kg		104	70 - 130	
m-Xylene & p-Xylene	0.200	0.2107		mg/Kg		105	70 - 130	

Client: Ensolum Project/Site: RASPBERRY STATE COM 1

Job ID: 890-2646-1

Prep Batch: 31465

SDG: Eddy County

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

Lab Sample ID: LCS 880-31465/1-A **Client Sample ID: Lab Control Sample Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 31452** Prep Batch: 31465 LCS LCS

%Rec Spike Analyte Added Result Qualifier Unit %Rec Limits o-Xylene 0 100 0 1145 mg/Kg 114 70 - 130

LCS LCS Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 103 70 - 130 1,4-Difluorobenzene (Surr) 70 - 130 94

Lab Sample ID: LCSD 880-31465/2-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 31452 Spike

LCSD LCSD %Rec **RPD** Added Result Qualifier %Rec Limits **RPD** Limit **Analyte** Unit D Benzene 0.100 0.09085 mg/Kg 91 70 - 130 9 35 Toluene 0.100 0.08782 mg/Kg 88 70 - 130 14 35 Ethylbenzene 0.100 0.09053 mg/Kg 91 70 - 130 35 14 m-Xylene & p-Xylene 0.200 0.1832 92 70 - 130 35 mg/Kg 14 o-Xylene 0.100 0.1004 mg/Kg 100 70 - 130 13 35

LCSD LCSD Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 106 70 - 130 1,4-Difluorobenzene (Surr) 97 70 - 130

Lab Sample ID: 880-17728-A-1-A MS **Client Sample ID: Matrix Spike Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 31452

Prep Batch: 31465 Sample Sample Spike MS MS %Rec Result Qualifier Added Result Qualifier D %Rec Limits Analyte Unit U Benzene <0.00200 0.100 0.08136 mg/Kg 81 70 - 130 Toluene <0.00200 U 0.100 0.07618 mg/Kg 76 70 - 130 Ethylbenzene <0.00200 UF1 0.100 0.07372 mg/Kg 74 70 - 130m-Xylene & p-Xylene <0.00399 UF1 0.200 0.1469 mg/Kg 73 70 - 130 70 - 130 o-Xylene <0.00200 U 0.100 0.07974 mg/Kg 80

MS MS %Recovery Surrogate Qualifier Limits 70 - 130 4-Bromofluorobenzene (Surr) 105 1,4-Difluorobenzene (Surr) 70 - 130 97

Lab Sample ID: 880-17728-A-1-B MSD **Client Sample ID: Matrix Spike Duplicate**

Matrix: Solid

Prep Type: Total/NA Analysis Batch: 31452 Prep Batch: 31465 Sample Sample Spike MSD MSD %Rec **RPD** Result Qualifier Added Result Qualifier %Rec Limits RPD Limit **Analyte** Unit D Benzene <0.00200 U 0.0998 0.08732 mg/Kg 87 70 - 130 35 Toluene <0.00200 U 0.0998 0.07748 78 70 - 130 35 mg/Kg 2 69 Ethylbenzene <0.00200 UF1 0.0998 0.06936 F1 mg/Kg 70 - 130 6 35 m-Xylene & p-Xylene < 0.00399 U F1 0.200 0.1380 F1 mg/Kg 69 70 - 130 6 35 0.07575 o-Xylene <0.00200 U 0.0998 mg/Kg 76 70 - 130 35

Client: Ensolum Job ID: 890-2646-1 Project/Site: RASPBERRY STATE COM 1 SDG: Eddy County

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

Lab Sample ID: 880-17728-A-1-B MSD

Matrix: Solid

Analysis Batch: 31452

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 31465

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

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

Lab Sample ID: MB 880-30965/1-A

Matrix: Solid

Analysis Batch: 31053

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 30965

MR MR

	IVID	IVID						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		07/29/22 08:50	07/30/22 19:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/29/22 08:50	07/30/22 19:51	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/29/22 08:50	07/30/22 19:51	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	07/29/22 08:50	07/30/22 19:51	1
o-Terphenyl	101		70 - 130	07/29/22 08:50	07/30/22 19:51	1

Lab Sample ID: LCS 880-30965/2-A

Matrix: Solid

Analysis Batch: 31053

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

Prep Batch: 30965

•	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1058		mg/Kg		106	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1040		mg/Kg		104	70 - 130	
C10-C28)								

LCS LCS

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	101	70 - 130
o-Terphenyl	102	70 - 130

Lab Sample ID: LCSD 880-30965/3-A

Matrix: Solid

Analysis Batch: 31053

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 30965

%Rec Spike LCSD LCSD **RPD** Added Result Qualifier Unit D %Rec Limits RPD Limit Gasoline Range Organics 1000 949.7 mg/Kg 95 70 - 130 11 20 (GRO)-C6-C10 Diesel Range Organics (Over 1000 972.0 mg/Kg 70 - 130 20 C10-C28)

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	93	70 - 130
o-Terphenyl	93	70 - 130

Client: Ensolum Project/Site: RASPBERRY STATE COM 1

Job ID: 890-2646-1

SDG: Eddy County

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

Lab Sample ID: 890-2646-1 MS **Matrix: Solid**

Lab Sample ID: 890-2646-1 MSD

Matrix: Solid

Analysis Batch: 31053

Client Sample ID: SS07A 2 Prep Type: Total/NA

Prep Batch: 30965

,	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	999	1211		mg/Kg		116	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.9	U	999	846.5		mg/Kg		85	70 - 130	

Surrogate	MS MS		
	%Recovery	Qualifier	Limits
1-Chlorooctane	87		70 - 130
o-Terphenyl	84		70 - 130

Client Sample ID: SS07A 2

Prep Type: Total/NA

Prep Batch: 30965

Analysis Batch: 31053 Sample Sample Spike MSD MSD %Rec **RPD** Analyte Result Qualifier Added Result Qualifier D %Rec Limits **RPD** Limit Unit Gasoline Range Organics <49.9 U 999 1295 125 70 - 130 7 20 mg/Kg (GRO)-C6-C10 2 Diesel Range Organics (Over <49.9 U 999 863.7 mg/Kg 86 70 - 130 20 C10-C28)

MSD MSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane 87 70 - 130

o-Terphenyl 84 70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-30809/1-A Client Sample ID: Method Blank

MB MB

Matrix: Solid

Analysis Batch: 30989

Prep Type: Soluble

Prep Type: Soluble

Client Sample ID: Lab Control Sample

Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Chloride <5.00 U 5.00 mg/Kg 07/31/22 10:56

Lab Sample ID: LCS 880-30809/2-A

Matrix: Solid

Analysis Batch: 30989

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits Chloride 250 262.1 mg/Kg 105 90 - 110

Analysis Batch: 30989

Lab Sample ID: LCSD 880-30809/3-A	Client Sample ID: Lab Control Sample Dup
Matrix: Solid	Prep Type: Soluble

LCSD LCSD Spike %Rec **RPD** Added Analyte Result Qualifier Unit %Rec Limits **RPD** Limit 250 Chloride 262.0 mg/Kg 105 90 - 110 20

QC Sample Results

Client: Ensolum Job ID: 890-2646-1 Project/Site: RASPBERRY STATE COM 1 SDG: Eddy County

Method: 300.0 - Anions, Ion Chromatography (Continued)

630

630

Lab Sample ID: 890-2645-A-4-B MS **Client Sample ID: Matrix Spike Prep Type: Soluble**

Matrix: Solid Analysis Batch: 30989

Sample Sample Spike MS MS %Rec Analyte **Result Qualifier** Added Result Qualifier Unit D %Rec Limits

251

251

Lab Sample ID: 890-2645-A-4-C MSD Client Sample ID: Matrix Spike Duplicate **Prep Type: Soluble**

854.7

854.3

mg/Kg

mg/Kg

90

90

90 - 110

90 - 110

0

Matrix: Solid Analysis Batch: 30989

Chloride

Chloride

Sample Sample Spike MSD MSD %Rec **RPD** Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD Limit

Method: 29B SAR - Sodium Adsorption Ratio

Lab Sample ID: 890-2646-1 DU Client Sample ID: SS07A 2 **Prep Type: Total/NA**

Matrix: Solid

Analysis Batch: 64191 Prep Batch: 63989

Sample Sample DU DU **RPD** Result Qualifier Analyte Result Qualifier Unit D RPD Limit Na <25.0 U <25.0 U mg/L NC Ca 25.9 26.31 mg/L 1 <20.0 U <20.0 U mg/L NC Mg Κ NC <25.0 U <25.0 U mg/L

Client: Ensolum

Job ID: 890-2646-1 SDG: Eddy County Project/Site: RASPBERRY STATE COM 1

GC VOA

Prep Batch: 31415

Lab Sample ID MB 880-31415/5-A	Client Sample ID Method Blank	Prep Type Total/NA	Matrix Solid	Method 5035	Prep Batch
LCS 880-31415/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-31415/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2675-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
890-2675-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 31452

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2646-1	SS07A 2	Total/NA	Solid	8021B	31465
890-2646-2	SS08 1	Total/NA	Solid	8021B	31465
890-2646-3	SS08 2	Total/NA	Solid	8021B	31465
890-2646-4	SS09 1.5	Total/NA	Solid	8021B	31465
890-2646-5	SS09 2	Total/NA	Solid	8021B	31465
890-2646-6	SS10 1	Total/NA	Solid	8021B	31465
890-2646-7	SS10 2	Total/NA	Solid	8021B	31465
MB 880-31415/5-A	Method Blank	Total/NA	Solid	8021B	31415
MB 880-31465/5-A	Method Blank	Total/NA	Solid	8021B	31465
LCS 880-31415/1-A	Lab Control Sample	Total/NA	Solid	8021B	31415
LCS 880-31465/1-A	Lab Control Sample	Total/NA	Solid	8021B	31465
LCSD 880-31415/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	31415
LCSD 880-31465/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	31465
880-17728-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	31465
880-17728-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	31465
890-2675-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	31415
890-2675-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	31415

Prep Batch: 31465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2646-1	SS07A 2	Total/NA	Solid	5035	 , -
890-2646-2	SS08 1	Total/NA	Solid	5035	
890-2646-3	SS08 2	Total/NA	Solid	5035	
890-2646-4	SS09 1.5	Total/NA	Solid	5035	
890-2646-5	SS09 2	Total/NA	Solid	5035	
890-2646-6	SS10 1	Total/NA	Solid	5035	
890-2646-7	SS10 2	Total/NA	Solid	5035	
MB 880-31465/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-31465/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-31465/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-17728-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-17728-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 31530

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2646-1	SS07A 2	Total/NA	Solid	Total BTEX	<u> </u>
890-2646-2	SS08 1	Total/NA	Solid	Total BTEX	
890-2646-3	SS08 2	Total/NA	Solid	Total BTEX	
890-2646-4	SS09 1.5	Total/NA	Solid	Total BTEX	
890-2646-5	SS09 2	Total/NA	Solid	Total BTEX	
890-2646-6	SS10 1	Total/NA	Solid	Total BTEX	
890-2646-7	SS10 2	Total/NA	Solid	Total BTEX	

Job ID: 890-2646-1 Client: Ensolum Project/Site: RASPBERRY STATE COM 1 SDG: Eddy County

GC Semi VOA

Prep Batch: 30965

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2646-1	SS07A 2	Total/NA	Solid	8015NM Prep	
890-2646-2	SS08 1	Total/NA	Solid	8015NM Prep	
890-2646-3	SS08 2	Total/NA	Solid	8015NM Prep	
890-2646-4	SS09 1.5	Total/NA	Solid	8015NM Prep	
890-2646-5	SS09 2	Total/NA	Solid	8015NM Prep	
890-2646-6	SS10 1	Total/NA	Solid	8015NM Prep	
890-2646-7	SS10 2	Total/NA	Solid	8015NM Prep	
MB 880-30965/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-30965/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-30965/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2646-1 MS	SS07A 2	Total/NA	Solid	8015NM Prep	
890-2646-1 MSD	SS07A 2	Total/NA	Solid	8015NM Prep	

Analysis Batch: 31053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2646-1	SS07A 2	Total/NA	Solid	8015B NM	30965
890-2646-2	SS08 1	Total/NA	Solid	8015B NM	30965
890-2646-3	SS08 2	Total/NA	Solid	8015B NM	30965
890-2646-4	SS09 1.5	Total/NA	Solid	8015B NM	30965
890-2646-5	SS09 2	Total/NA	Solid	8015B NM	30965
890-2646-6	SS10 1	Total/NA	Solid	8015B NM	30965
890-2646-7	SS10 2	Total/NA	Solid	8015B NM	30965
MB 880-30965/1-A	Method Blank	Total/NA	Solid	8015B NM	30965
LCS 880-30965/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	30965
LCSD 880-30965/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	30965
890-2646-1 MS	SS07A 2	Total/NA	Solid	8015B NM	30965
890-2646-1 MSD	SS07A 2	Total/NA	Solid	8015B NM	30965

Analysis Batch: 31121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2646-1	SS07A 2	Total/NA	Solid	8015 NM	_
890-2646-2	SS08 1	Total/NA	Solid	8015 NM	
890-2646-3	SS08 2	Total/NA	Solid	8015 NM	
890-2646-4	SS09 1.5	Total/NA	Solid	8015 NM	
890-2646-5	SS09 2	Total/NA	Solid	8015 NM	
890-2646-6	SS10 1	Total/NA	Solid	8015 NM	
890-2646-7	SS10 2	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 30809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2646-1	SS07A 2	Soluble	Solid	DI Leach	
890-2646-2	SS08 1	Soluble	Solid	DI Leach	
890-2646-3	SS08 2	Soluble	Solid	DI Leach	
890-2646-4	SS09 1.5	Soluble	Solid	DI Leach	
890-2646-5	SS09 2	Soluble	Solid	DI Leach	
890-2646-6	SS10 1	Soluble	Solid	DI Leach	
890-2646-7	SS10 2	Soluble	Solid	DI Leach	
MB 880-30809/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-30809/2-A	Lab Control Sample	Soluble	Solid	DI Leach	

Client: Ensolum Project/Site: RASPBERRY STATE COM 1 Job ID: 890-2646-1 SDG: Eddy County

HPLC/IC (Continued)

Leach Batch: 30809 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-30809/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2645-A-4-B MS	Matrix Spike	Soluble	Solid	DI Leach	
890-2645-A-4-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 30989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2646-1	SS07A 2	Soluble	Solid	300.0	30809
890-2646-2	SS08 1	Soluble	Solid	300.0	30809
890-2646-3	SS08 2	Soluble	Solid	300.0	30809
890-2646-4	SS09 1.5	Soluble	Solid	300.0	30809
890-2646-5	SS09 2	Soluble	Solid	300.0	30809
890-2646-6	SS10 1	Soluble	Solid	300.0	30809
890-2646-7	SS10 2	Soluble	Solid	300.0	30809
MB 880-30809/1-A	Method Blank	Soluble	Solid	300.0	30809
LCS 880-30809/2-A	Lab Control Sample	Soluble	Solid	300.0	30809
LCSD 880-30809/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	30809
890-2645-A-4-B MS	Matrix Spike	Soluble	Solid	300.0	30809
890-2645-A-4-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	30809

Metals

Prep Batch: 63989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2646-1	SS07A 2	Total/NA	Solid	29B	_
890-2646-2	SS08 1	Total/NA	Solid	29B	
890-2646-3	SS08 2	Total/NA	Solid	29B	
890-2646-4	SS09 1.5	Total/NA	Solid	29B	
890-2646-5	SS09 2	Total/NA	Solid	29B	
890-2646-6	SS10 1	Total/NA	Solid	29B	
890-2646-7	SS10 2	Total/NA	Solid	29B	
890-2646-1 DU	SS07A 2	Total/NA	Solid	29B	

Prep Batch: 63996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2646-1	SS07A 2	Total/NA	Solid	29B	63989
890-2646-2	SS08 1	Total/NA	Solid	29B	63989
890-2646-3	SS08 2	Total/NA	Solid	29B	63989
890-2646-4	SS09 1.5	Total/NA	Solid	29B	63989
890-2646-5	SS09 2	Total/NA	Solid	29B	63989
890-2646-6	SS10 1	Total/NA	Solid	29B	63989
890-2646-7	SS10 2	Total/NA	Solid	29B	63989
890-2646-1 DU	SS07A 2	Total/NA	Solid	29B	63989

Analysis Batch: 64191

Released to Imaging: 10/26/2022 2:48:49 PM

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2646-1	SS07A 2	Total/NA	Solid	29B SAR	63996
890-2646-2	SS08 1	Total/NA	Solid	29B SAR	63996
890-2646-3	SS08 2	Total/NA	Solid	29B SAR	63996
890-2646-4	SS09 1.5	Total/NA	Solid	29B SAR	63996
890-2646-5	SS09 2	Total/NA	Solid	29B SAR	63996
890-2646-6	SS10 1	Total/NA	Solid	29B SAR	63996

Client: Ensolum

Project/Site: RASPBERRY STATE COM 1

Job ID: 890-2646-1

SDG: Eddy County

Metals (Continued)

Analysis Batch: 64191 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2646-7	SS10 2	Total/NA	Solid	29B SAR	63996
890-2646-1 DU	SS07A 2	Total/NA	Solid	29B SAR	63996

Analysis Batch: 64216

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2646-1	SS07A 2	Total/NA	Solid	29B SAR	63996
890-2646-2	SS08 1	Total/NA	Solid	29B SAR	63996
890-2646-3	SS08 2	Total/NA	Solid	29B SAR	63996
890-2646-4	SS09 1.5	Total/NA	Solid	29B SAR	63996
890-2646-5	SS09 2	Total/NA	Solid	29B SAR	63996
890-2646-6	SS10 1	Total/NA	Solid	29B SAR	63996
890-2646-7	SS10 2	Total/NA	Solid	29B SAR	63996

Client Sample ID: SS07A 2

Client: Ensolum

Project/Site: RASPBERRY STATE COM 1

Job ID: 890-2646-1 SDG: Eddy County

Lab Sample ID: 890-2646-1

Matrix: Solid

Date Collected: 07/25/22 11:25 Date Received: 07/25/22 15:50

	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	31465	08/04/22 08:51	MR	EETSC MIC
Total/NA	Analysis	8021B		1	5 mL	5 mL	31452	08/04/22 16:21	MR	EETSC M
Total/NA	Analysis	Total BTEX		1			31530	08/04/22 19:50	AJ	EETSC M
Total/NA	Analysis	8015 NM		1			31121	07/31/22 10:38	AJ	EETSC M
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	30965	07/29/22 08:50	DM	EETSC M
Total/NA	Analysis	8015B NM		1			31053	07/30/22 20:55	AJ	EETSC M
Soluble	Leach	DI Leach			5.01 g	50 mL	30809	07/27/22 12:54	SMC	EETSC M
Soluble	Analysis	300.0		1			30989	07/31/22 14:37	SMC	EETSC M
Total/NA	Prep	29B			100.18 g	100 g	63989	08/08/22 11:52	РВ	EETSC HO
Total/NA	Prep	29B			100.18 g	100 mL	63996	08/08/22 12:05	PB	EETSC H(
Total/NA	Analysis	29B SAR		1			64191	08/09/22 04:21	DP	EETSC H(
Total/NA	Prep	29B			100.18 g	100 g	63989	08/08/22 11:52	РВ	EETSC H(
Total/NA	Prep	29B			100.18 g	100 mL	63996	08/08/22 12:05	PB	EETSC H(
Total/NA	Analysis	29B SAR		1			64216	08/09/22 15:13	DP	EETSC H

Lab Sample ID: 890-2646-2 Client Sample ID: SS08 1 Date Collected: 07/25/22 11:30 **Matrix: Solid**

Date Received: 07/25/22 15:50

	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	31465	08/04/22 08:51	MR	EETSC MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31452	08/04/22 16:42	MR	EETSC M
Total/NA	Analysis	Total BTEX		1			31530	08/04/22 19:50	AJ	EETSC M
Total/NA	Analysis	8015 NM		1			31121	07/31/22 10:38	AJ	EETSC M
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	30965	07/29/22 08:50	DM	EETSC M
Total/NA	Analysis	8015B NM		1			31053	07/30/22 21:58	AJ	EETSC M
Soluble	Leach	DI Leach			5.02 g	50 mL	30809	07/27/22 12:54	SMC	EETSC M
Soluble	Analysis	300.0		1			30989	07/31/22 14:47	SMC	EETSC M
Total/NA	Prep	29B			100.11 g	100 g	63989	08/08/22 11:52	РВ	EETSC HO
Total/NA	Prep	29B			100.11 g	100 mL	63996	08/08/22 12:05	PB	EETSC HO
Total/NA	Analysis	29B SAR		1			64191	08/09/22 04:28	DP	EETSC HO
Total/NA	Prep	29B			100.11 g	100 g	63989	08/08/22 11:52	РВ	EETSC HO
Total/NA	Prep	29B			100.11 g	100 mL	63996	08/08/22 12:05	PB	EETSC H(
Total/NA	Analysis	29B SAR		1			64216	08/09/22 15:13	DP	EETSC HO

Lab Sample ID: 890-2646-3 Client Sample ID: SS08 2 Date Collected: 07/25/22 11:45 **Matrix: Solid**

Date Received: 07/25/22 15:50

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	31465	08/04/22 08:51	MR	EETSC MIC
Total/NA	Analysis	8021B		1	5 mL	5 mL	31452	08/04/22 17:02	MR	EETSC M
Total/NA	Analysis	Total BTEX		1			31530	08/04/22 19:50	AJ	EETSC M
Total/NA	Analysis	8015 NM		1			31121	07/31/22 10:38	AJ	EETSC M

Client: Ensolum

Client Sample ID: SS08 2 Date Collected: 07/25/22 11:45

Date Received: 07/25/22 15:50

Project/Site: RASPBERRY STATE COM 1

Lab Sample ID: 890-2646-3

Job ID: 890-2646-1

SDG: Eddy County

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	8015NM Prep			10.01 g	10 mL	30965	07/29/22 08:50	DM	EETSC MIC
Total/NA	Analysis	8015B NM		1			31053	07/30/22 22:20	AJ	EETSC M
Soluble	Leach	DI Leach			5 g	50 mL	30809	07/27/22 12:54	SMC	EETSC M
Soluble	Analysis	300.0		1			30989	07/31/22 14:56	SMC	EETSC M
Total/NA	Prep	29B			100.14 g	100 g	63989	08/08/22 11:52	PB	EETSC H(
Total/NA	Prep	29B			100.14 g	100 mL	63996	08/08/22 12:05	PB	EETSC H(
Total/NA	Analysis	29B SAR		1			64191	08/09/22 04:32	DP	EETSC H(
Total/NA	Prep	29B			100.14 g	100 g	63989	08/08/22 11:52	PB	EETSC H(
Total/NA	Prep	29B			100.14 g	100 mL	63996	08/08/22 12:05	PB	EETSC HO
Total/NA	Analysis	29B SAR		1			64216	08/09/22 15:13	DP	EETSC H(

Client Sample ID: SS09 1.5 Lab Sample ID: 890-2646-4 Date Collected: 07/25/22 12:05 **Matrix: Solid**

Date Received: 07/25/22 15:50

	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	31465	08/04/22 08:51	MR	EETSC MI
Total/NA	Analysis	8021B		1	5 mL	5 mL	31452	08/04/22 17:23	MR	EETSC M
Total/NA	Analysis	Total BTEX		1			31530	08/04/22 19:50	AJ	EETSC M
Total/NA	Analysis	8015 NM		1			31121	07/31/22 10:38	AJ	EETSC M
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	30965	07/29/22 08:50	DM	EETSC M
Total/NA	Analysis	8015B NM		1			31053	07/30/22 22:41	AJ	EETSC M
Soluble	Leach	DI Leach			4.95 g	50 mL	30809	07/27/22 12:54	SMC	EETSC M
Soluble	Analysis	300.0		1			30989	07/31/22 15:05	SMC	EETSC M
Total/NA	Prep	29B			100.09 g	100 g	63989	08/08/22 11:52	PB	EETSC HO
Total/NA	Prep	29B			100.09 g	100 mL	63996	08/08/22 12:05	PB	EETSC H
Total/NA	Analysis	29B SAR		1			64191	08/09/22 04:58	DP	EETSC H
Total/NA	Prep	29B			100.09 g	100 g	63989	08/08/22 11:52	PB	EETSC H
Total/NA	Prep	29B			100.09 g	100 mL	63996	08/08/22 12:05	PB	EETSC H
Total/NA	Analysis	29B SAR		1			64216	08/09/22 15:13	DP	EETSC HO

Client Sample ID: SS09 2 Lab Sample ID: 890-2646-5 Date Collected: 07/25/22 12:15 **Matrix: Solid** Date Received: 07/25/22 15:50

Duna Tana	Batch	Batch	D	Dil	Initial	Final	Batch	Prepared	Amalust	Lak
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	31465	08/04/22 08:51	MR	EETSC MIC
Total/NA	Analysis	8021B		1	5 mL	5 mL	31452	08/04/22 17:43	MR	EETSC M
Total/NA	Analysis	Total BTEX		1			31530	08/04/22 19:50	AJ	EETSC M
Total/NA	Analysis	8015 NM		1			31121	07/31/22 10:38	AJ	EETSC M
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	30965	07/29/22 08:50	DM	EETSC M
Total/NA	Analysis	8015B NM		1			31053	07/30/22 23:02	AJ	EETSC M
Soluble	Leach	DI Leach			5.01 g	50 mL	30809	07/27/22 12:54	SMC	EETSC M
Soluble	Analysis	300.0		1			30989	07/31/22 15:14	SMC	EETSC M

Client: Ensolum

Project/Site: RASPBERRY STATE COM 1

Client Sample ID: SS09 2

Date Collected: 07/25/22 12:15 Date Received: 07/25/22 15:50

Lab Sample ID: 890-2646-5

Matrix: Solid

Job ID: 890-2646-1

SDG: Eddy County

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	29B			100.014 g	100 g	63989	08/08/22 11:52	PB	EETSC HO
Total/NA	Prep	29B			100.14 g	100 mL	63996	08/08/22 12:05	PB	EETSC H(
Total/NA	Analysis	29B SAR		1			64191	08/09/22 05:01	DP	EETSC H(
Total/NA	Prep	29B			100.014 g	100 g	63989	08/08/22 11:52	РВ	EETSC H(
Total/NA	Prep	29B			100.14 g	100 mL	63996	08/08/22 12:05	PB	EETSC H(
Total/NA	Analysis	29B SAR		1			64216	08/09/22 15:13	DP	EETSC H(

Client Sample ID: SS10 1 Lab Sample ID: 890-2646-6 Date Collected: 07/25/22 12:20 Matrix: Solid

Date Received: 07/25/22 15:50

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	31465	08/04/22 08:51	MR	EETSC MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31452	08/04/22 18:04	MR	EETSC M
Total/NA	Analysis	Total BTEX		1			31530	08/04/22 19:50	AJ	EETSC M
Total/NA	Analysis	8015 NM		1			31121	07/31/22 10:38	AJ	EETSC M
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	30965	07/29/22 08:50	DM	EETSC M
Total/NA	Analysis	8015B NM		1			31053	07/30/22 23:23	AJ	EETSC M
Soluble	Leach	DI Leach			4.96 g	50 mL	30809	07/27/22 12:54	SMC	EETSC M
Soluble	Analysis	300.0		1			30989	07/31/22 15:23	SMC	EETSC M
Total/NA	Prep	29B			100.08 g	100 g	63989	08/08/22 11:52	РВ	EETSC HO
Total/NA	Prep	29B			100.08 g	100 mL	63996	08/08/22 12:05	PB	EETSC HO
Total/NA	Analysis	29B SAR		1			64191	08/09/22 05:05	DP	EETSC H
Total/NA	Prep	29B			100.08 g	100 g	63989	08/08/22 11:52	РВ	EETSC H
Total/NA	Prep	29B			100.08 g	100 mL	63996	08/08/22 12:05	PB	EETSC HO

Client Sample ID: SS10 2 Lab Sample ID: 890-2646-7 Date Collected: 07/25/22 12:30 **Matrix: Solid**

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64216

08/09/22 15:13 DP

Date Received: 07/25/22 15:50

Analysis

29B SAR

Total/NA

	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	31465	08/04/22 08:51	MR	EETSC MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31452	08/04/22 18:24	MR	EETSC M
Total/NA	Analysis	Total BTEX		1			31530	08/04/22 19:50	AJ	EETSC M
Total/NA	Analysis	8015 NM		1			31121	07/31/22 10:38	AJ	EETSC M
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	30965	07/29/22 08:50	DM	EETSC M
Total/NA	Analysis	8015B NM		1			31053	07/30/22 23:43	AJ	EETSC M
Soluble	Leach	DI Leach			5 g	50 mL	30809	07/27/22 12:54	SMC	EETSC M
Soluble	Analysis	300.0		1			30989	07/31/22 15:33	SMC	EETSC M
Total/NA	Prep	29B			100.08 g	100 g	63989	08/08/22 11:52	PB	EETSC HO
Total/NA	Prep	29B			100.08 g	100 mL	63996	08/08/22 12:06	PB	EETSC HO
Total/NA	Analysis	29B SAR		1			64191	08/09/22 05:08	DP	EETSC HO

Eurofins Carlsbad

EETSC H(

Lab Chronicle

Client: Ensolum Job ID: 890-2646-1 Project/Site: RASPBERRY STATE COM 1 SDG: Eddy County

Lab Sample ID: 890-2646-7 Client Sample ID: SS10 2 Date Collected: 07/25/22 12:30

Matrix: Solid

Date Received: 07/25/22 15:50

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	29B			100.08 g	100 g	63989	08/08/22 11:52	PB	EETSC HO
Total/NA	Prep	29B			100.08 g	100 mL	63996	08/08/22 12:06	PB	EETSC H(
Total/NA	Analysis	29B SAR		1			64216	08/09/22 15:13	DP	EETSC H(

Laboratory References:

EETSC HOU = Eurofins Houston, 4147 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200 EETSC MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Ensolum Job ID: 890-2646-1
Project/Site: RASPBERRY STATE COM 1 SDG: Eddy County

Laboratory: Eurofins Houston

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

Authority		Program	Identification Number	Expiration Date		
Texas		NELAP	T104704215-22-47	06-30-23		
		eport, but the laboratory is r	not certified by the governing authority.	This list may include analytes for which		
the agency does not on Analysis Method	Prep Method	Matrix	Analyte			
29B SAR	29B	Solid	Ca			
29B SAR	29B	Solid	К			
29B SAR	29B	Solid	Mg			
			M-			
29B SAR	29B	Solid	Na			

Laboratory: Eurofins Midland

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

Authority	chority Program		Identification Number	Expiration Date		
Texas	NE	ELAP	T104704400-22-24	06-30-23		
0 ,	•	ort, but the laboratory is r	not certified by the governing authority.	This list may include analytes for whic		
the agency does not o	offer certification.					
the agency does not on the Analysis Method	offer certification. Prep Method	Matrix	Analyte			
0 ,		Matrix Solid	Analyte Total TPH			

Eurofins Carlsbad

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Method Summary

Client: Ensolum

Project/Site: RASPBERRY STATE COM 1

Job ID: 890-2646-1

SDG: Eddy County

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EETSC MID
Total BTEX	Total BTEX Calculation	TAL SOP	EETSC MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EETSC MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EETSC MID
300.0	Anions, Ion Chromatography	MCAWW	EETSC MID
29B SAR	Sodium Adsorption Ratio	LA	EETSC HOU
29B	Preparation, Dry, Grind and Sieve	LA	EETSC HOU
29B	Preparation, Sodium Absorption Ratio	LA	EETSC HOU
5035	Closed System Purge and Trap	SW846	EETSC MID
8015NM Prep	Microextraction	SW846	EETSC MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EETSC MID

Protocol References:

ASTM = ASTM International

LA = Statewide Order No. 29-B, State Of Louisianna

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:

EETSC HOU = Eurofins Houston, 4147 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200 EETSC MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Ensolum

Project/Site: RASPBERRY STATE COM 1

Job ID: 890-2646-1

SDG: Eddy County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2646-1	SS07A 2	Solid	07/25/22 11:25	07/25/22 15:50	2
890-2646-2	SS08 1	Solid	07/25/22 11:30	07/25/22 15:50	1
890-2646-3	SS08 2	Solid	07/25/22 11:45	07/25/22 15:50	2
890-2646-4	SS09 1.5	Solid	07/25/22 12:05	07/25/22 15:50	1.5
890-2646-5	SS09 2	Solid	07/25/22 12:15	07/25/22 15:50	2
890-2646-6	SS10 1	Solid	07/25/22 12:20	07/25/22 15:50	1
890-2646-7	SS10 2	Solid	07/25/22 12:30	07/25/22 15:50	2

eurofins

Environment Testing

Xenco

Proje Samp PO #

Address: Company Name: roject Manager:

WINIOR U.

3122 Dans Hum Address:

Company Name: Bill to: (if different)

Kalei Jennings

State of Project: Program:

UST/PST PRP Brownfields

RRC □

Superfund |

www.xenco.com

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Work Order Comments

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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,

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Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time		e)	Received by: (Signature)	Λ	linquished by bignature)
	onditions e control usly negotiated.	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 i.e. 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 ins Xenco. A minimum charge of \$55.00 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.	ns Xenco, its affiliates and is incurred by the client if ofins Xenco, but not anal	pany to Eurofin sses or expense ubmitted to Eur	ler from client com onsibility for any lo for each sample su	nstitutes a valid purchase ord nd shall not assume any respo ch project and a charge of \$5	inquishment of samples co y for the cost of samples ar 85.00 will be applied to ear	xument and rel will be liable on rum charge of \$
/7470 /7471	Mo Ni K Se Ag SiO ₂ Na Sr TI U Hg: 1631/245.1	Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn N Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag	As Ba Be B Cd b As Ba Be Cd C	1 Al Sb BRCRA St	A 13PPM Texas 11 Al S TCLP/SPLP 6010 : 8RCRA	8RCR,	tal 200.7 / 6010 200.8 / 6020: e Method(s) and Metal(s) to be analyzed	tal 200.7 / 6010 20 e Method(s) and Meta
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Sample Comments		St	bt tr cr	Grab/ # of Comp Cont	Depth Co	Date Time Sampled Sampled	Matrix Sa	Sample Identification
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Zn Acetate+NaOH: Zn	Zn A				3). E	Temperature Reading:	Yes No N/A Tel	ole Custody Seals: Y
Va2S2O3: NaSO 3			Cli		10.0	Correction Factor:	Yes No (NX) Co	
NaHSO 4: NABIS	f Custody	890-2646 Chain o	2	Ĭ.	Wm 00	Thermometer ID:	(es) No The	iles Received Intact:
13PO 4: HP	13PC			eters	Yes No	Ye No Wet Ice:	Temp Blank: Y	PLE RECEIPT '
1 ₂ SO ₄ : H ₂ NaOH: Na	1,250			L	the lab, if received by 4:30pm	the lab, if rec		2//2
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9	, cool:					Due Date:	Ju Cant	Edo
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]	State of Project:	St			Address:	172 Panis Huy Address:	2 WINDS	Ens

Client: Ensolum

Job Number: 890-2646-1

SDG Number: Eddy County

Login Number: 2646 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	

Page 31 of 33 8/9/2022 (Rev. 1)

Client: Ensolum

Job Number: 890-2646-1

SDG Number: Eddy County

List Source: Eurofins Houston
List Number: 3
List Creation: 07/27/22 02:25 PM

Creator: Milone, Jeancarlo

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?	N/A	
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").

Client: Ensolum

Job Number: 890-2646-1

SDG Number: Eddy County

List Source: Eurofins Midland
List Number: 2
List Creation: 07/27/22 10:48 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	

Euronnis Carisbau

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Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-2794-1

Laboratory Sample Delivery Group: 03D2024048

Client Project/Site: Raspberry State Com

Revision: 1

For:

eurofins 🔆

Ensolum 705 W. Wadley Suite 210 Midland, Texas 79701

Attn: Josh Adams

RAMPR

Authorized for release by: 9/9/2022 4:02:00 PM

Jessica Kramer, Project Manager (432)704-5440

Jessica.Kramer@et.eurofinsus.com

..... LINKS

Review your project results through EOL

Received by OCD: 10/10/2022 9:54:02 AM

Have a Question?



Visit us at:

www.eurofinsus.com/Env Released to Imaging: 10/26/2022 2:48:49 PM

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

Client: Ensolum
Project/Site: Raspberry State Com
Laboratory Job ID: 890-2794-1
SDG: 03D2024048

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Definitions/Glossary

Client: Ensolum Job ID: 890-2794-1 Project/Site: Raspberry State Com

SDG: 03D2024048

Qualifiers

GC VOA Qualifier **Qualifier Description**

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

GC Semi VOA

Qualifier **Qualifier Description**

U 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)

Dilution Factor Dil Fac

Detection Limit (DoD/DOE) DΙ

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**

Presumptive **PRES** 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

Case Narrative

Client: Ensolum

Job ID: 890-2794-1 SDG: 03D2024048 Project/Site: Raspberry State Com

Job ID: 890-2794-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-2794-1

Receipt

The sample was received on 8/19/2022 3:53 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 16.0°C

Receipt Exceptions

The following sample was collected in an improper container: SS11 (890-2794-1). The client was contacted regarding this issue, and the laboratory was instructed to <CHOOSE ONE> proceed with/cancel analysis. 890-2794

Only received a 2 oz jar for TPH, BTEX, Chloride and SAR- this 2 oz jar will only be enough for TPH, BTEX, Chloride- the client needs to be contacted Sample sent to Midland

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-33466 and analytical batch 880-33557 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.

GC Semi VOA

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

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

Narrative

Job Narrative 890-2794-2

Receipt

The sample was received on 8/19/2022 3:53 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 16.0°C

Receipt Exceptions

The following sample was collected in an improper container: SS11 (890-2794-1). The client was contacted regarding this issue, and the laboratory was instructed to <CHOOSE ONE> proceed with/cancel analysis. 890-2794

Only received a 2 oz jar for TPH, BTEX, Chloride and SAR- this 2 oz jar will only be enough for TPH, BTEX, Chloride- the client needs to be contacted Sample sent to Midland

Metals

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: 890-2794-1

Client Sample Results

Client: Ensolum Job ID: 890-2794-1 Project/Site: Raspberry State Com SDG: 03D2024048

Client Sample ID: SS11

Date Collected: 08/19/22 08:20 Date Received: 08/19/22 15:53

Sample Depth: 0.5

						Analyzed	Dil Fac
<0.00199	U	0.00199	mg/Kg		08/31/22 14:40	09/01/22 19:30	
< 0.00199	U	0.00199	mg/Kg		08/31/22 14:40	09/01/22 19:30	•
< 0.00199	U	0.00199	mg/Kg		08/31/22 14:40	09/01/22 19:30	
<0.00398	U	0.00398	mg/Kg		08/31/22 14:40	09/01/22 19:30	
< 0.00199	U	0.00199	mg/Kg		08/31/22 14:40	09/01/22 19:30	
<0.00398	U	0.00398	mg/Kg		08/31/22 14:40	09/01/22 19:30	
%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
89		70 - 130			08/31/22 14:40	09/01/22 19:30	-
104		70 - 130			08/31/22 14:40	09/01/22 19:30	
TEX Calcula	tion						
Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
<0.00398	U	0.00398	mg/Kg			09/02/22 11:24	-
nge Organic	s (DRO) (G	(C)					
_		RL	Unit	D	Prepared	Analyzed	Dil Fa
		49.9	mg/Kg			08/24/22 17:10	
ango Organi	ice (DBO)	(CC)					
		RL	Unit	D	Prepared	Analyzed	Dil Fac
<49.9	U	49.9	mg/Kg		08/24/22 08:40	08/24/22 11:46	
<49.9	U	49.9	mg/Kg		08/24/22 08:40	08/24/22 11:46	,
<49.9	U	49.9	mg/Kg		08/24/22 08:40	08/24/22 11:46	•
%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
91		70 - 130			08/24/22 08:40	08/24/22 11:46	
94		70 - 130			08/24/22 08:40	08/24/22 11:46	
Chromatogra	phy - Solu	ble					
		RL	Unit	D	Prepared	Analyzed	Dil Fac
80.8		5.02	mg/Kg			08/24/22 16:52	-
	<0.00199 <0.00398 <0.00199 <0.00398 **Recovery 89 104 TEX Calcula Result <49.9 <49.9 <49.9 **Recovery 91 94 Chromatogra Result Result <49.9 **Recovery 91 94 Chromatogra Result Result **Result Shromatogra Result **Result **Result **Result **Result **Result **Result **Result **Result	Chromatography - Solur Result Qualifier	Concept	Condition Cond	Co.00199 U 0.00199 mg/kg co.00398 U 0.00398 mg/kg co.00199 U 0.00199 mg/kg co.00398 U 0.00398 mg/kg co.00398 U 0.00398 mg/kg mg/kg co.00398 U 0.00398 mg/kg co.00398 U co.00398 co.00398	Concept	Conding U

Eurofins Carlsbad

0.100

0.168

NONE

09/05/22 18:35 09/09/22 15:16

Sodium Adsorption Ratio

Surrogate Summary

Client: Ensolum Job ID: 890-2794-1 Project/Site: Raspberry State Com SDG: 03D2024048

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

			Percent	t Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-2791-A-2-H MS	Matrix Spike	94	109	
890-2791-A-2-I MSD	Matrix Spike Duplicate	93	108	
890-2794-1	SS11	89	104	
LCS 880-33466/1-A	Lab Control Sample	94	99	
LCSD 880-33466/2-A	Lab Control Sample Dup	96	101	
MB 880-33466/5-A	Method Blank	78	116	
Surrogate Legend				
BFB = 4-Bromofluorob	enzene (Surr)			
DFBZ = 1,4-Difluorobe	enzene (Surr)			

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

Matrix: Solid Prep Type: Total/NA

Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)	
890-2794-1	SS11	91	94	
890-2794-1 MS	SS11	101	94	
890-2794-1 MSD	SS11	87	83	
LCS 880-32817/2-A	Lab Control Sample	81	97	
LCSD 880-32817/3-A	Lab Control Sample Dup	78	94	
MB 880-32817/1-A	Method Blank	95	102	

1CO = 1-Chlorooctane OTPH = o-Terphenyl

Client: Ensolum Job ID: 890-2794-1 Project/Site: Raspberry State Com SDG: 03D2024048

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-33466/5-A

Lab Sample ID: LCS 880-33466/1-A

Matrix: Solid

Analysis Batch: 33557

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 33466

	MB M	MR						
Analyte	Result C	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200 U	J	0.00200	mg/Kg		08/31/22 14:40	09/01/22 18:00	1
Toluene	<0.00200 L	J	0.00200	mg/Kg		08/31/22 14:40	09/01/22 18:00	1
Ethylbenzene	<0.00200 L	J	0.00200	mg/Kg		08/31/22 14:40	09/01/22 18:00	1
m-Xylene & p-Xylene	<0.00400 L	j	0.00400	mg/Kg		08/31/22 14:40	09/01/22 18:00	1
o-Xylene	<0.00200 L	J	0.00200	mg/Kg		08/31/22 14:40	09/01/22 18:00	1
Xylenes, Total	<0.00400 L	J	0.00400	mg/Kg		08/31/22 14:40	09/01/22 18:00	1

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed
4-Bromofluorobenzene (Surr)	78	70 - 130	08/31/22 14:40	09/01/22 18:00
1,4-Difluorobenzene (Surr)	116	70 ₋ 130	08/31/22 14:40	09/01/22 18:00

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 33466

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits Benzene 70 - 130 0.100 0.1098 mg/Kg 110 Toluene 0.100 0.1103 mg/Kg 70 - 130 110 Ethylbenzene 0.100 0.1076 mg/Kg 108 70 - 130 0.200 99 m-Xylene & p-Xylene 0.1975 mg/Kg 70 - 130 o-Xylene 0.100 0.1037 mg/Kg 104 70 - 130

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	94	70 - 130
1,4-Difluorobenzene (Surr)	99	70 - 130

Lab Sample ID: LCSD 880-33466/2-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Matrix: Solid

Analysis Batch: 33557

Analysis Batch: 33557

Prep Type: Total/NA Prep Batch: 33466

	Spike	LCSD L	LCSD				%Rec		RPD
Analyte	Added	Result (Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1142		mg/Kg		114	70 - 130	4	35
Toluene	0.100	0.1143		mg/Kg		114	70 - 130	4	35
Ethylbenzene	0.100	0.1120		mg/Kg		112	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.2059		mg/Kg		103	70 - 130	4	35
o-Xylene	0.100	0.1080		mg/Kg		108	70 - 130	4	35

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	96	70 - 130
1,4-Difluorobenzene (Surr)	101	70 - 130

Lab Sample ID: 890-2791-A-2-H MS

Matrix: Solid

Analysis Batch: 33557

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

Prep Batch: 33466

_	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U	0.0998	0.09295		mg/Kg		93	70 - 130	
Toluene	<0.00200	U	0.0998	0.06941		mg/Kg		70	70 - 130	

Eurofins Carlsbad

Dil Fac

QC Sample Results

Client: Ensolum Job ID: 890-2794-1 Project/Site: Raspberry State Com SDG: 03D2024048

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

Client Sample ID: Matrix Spike Lab Sample ID: 890-2791-A-2-H MS **Matrix: Solid Prep Type: Total/NA Analysis Batch: 33557** Prep Batch: 33466

Sam	ole Sample	Spike	MS	MS				%Rec	
Analyte Res	ult Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene <0.002	00 U F1	0.0998	0.04751	F1	mg/Kg		48	70 - 130	
m-Xylene & p-Xylene <0.003	99 U F1	0.200	0.08400	F1	mg/Kg		42	70 - 130	
o-Xylene <0.002	00 U F1	0.0998	0.04484	F1	mg/Kg		45	70 - 130	

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: 890-2791-A-2-I MSD **Client Sample ID: Matrix Spike Duplicate Matrix: Solid Prep Type: Total/NA**

Analysis Batch: 33557

o-Xylene

Prep Batch: 33466 Sample Sample Spike MSD MSD %Rec **RPD** Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD Limit 0.0994 Benzene <0.00200 U 0.09702 mg/Kg 98 70 - 130 4 35 Toluene <0.00200 U 0.0994 0.07575 76 70 - 130 35 mg/Kg 0.0994 Ethylbenzene <0.00200 UF1 0.05323 F1 mg/Kg 54 70 - 130 11 35 m-Xylene & p-Xylene <0.00399 UF1 0.199 0.09324 F1 mg/Kg 47 70 - 130 10 35

0.05060 F1

mg/Kg

0.0994

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

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

<0.00200 UF1

Lab Sample ID: MB 880-32817/1-A **Client Sample ID: Method Blank Matrix: Solid Prep Type: Total/NA** Prep Batch: 32817 **Analysis Batch: 32810**

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		08/24/22 08:40	08/24/22 10:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		08/24/22 08:40	08/24/22 10:43	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/24/22 08:40	08/24/22 10:43	1

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	08/24/22 08:40	08/24/22 10:43	1
o-Terphenyl	102		70 - 130	08/24/22 08:40	08/24/22 10:43	1

Lab Sample ID: LCS 880-32817/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Total/NA**

Analysis Batch: 32810 Prep Batch: 32817 LCS LCS Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits Gasoline Range Organics 1000 979.2 98 70 - 130 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 786.3 mg/Kg 79 70 - 130 C10-C28)

Eurofins Carlsbad

70 - 130

51

12

Client: Ensolum Job ID: 890-2794-1 SDG: 03D2024048 Project/Site: Raspberry State Com

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

Lab Sample ID: LCS 880-32817/2-A

Matrix: Solid

Analysis Batch: 32810

Client Sample ID: Lab Control Sample

77

76

70 - 130

70 - 130

Prep Type: Total/NA

Prep Batch: 32817

3

Client Sample ID: SS11

Prep Type: Total/NA

LCS LCS %Recovery Qualifier Limits Surrogate 1-Chlorooctane 81 70 - 130 o-Terphenyl 97 70 - 130

Client Sample ID: Lab Control Sample Dup Lab Sample ID: LCSD 880-32817/3-A **Prep Type: Total/NA**

1000

Matrix: Solid

Diesel Range Organics (Over

Analysis Batch: 32810 Prep Batch: 32817 LCSD LCSD RPD %Rec Spike Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit Gasoline Range Organics 1000 930.0 mg/Kg 93 70 - 130 5 20 (GRO)-C6-C10

765.3

mg/Kg

mg/Kg

C10-C28)

LCSD LCSD %Recovery Qualifier Surrogate Limits 1-Chlorooctane 70 - 130 78 70 - 130 o-Terphenyl 94

Lab Sample ID: 890-2794-1 MS

Matrix: Solid

Analysis Batch: 32810 Prep Batch: 32817 Sample Sample Spike MS MS %Rec

Result Qualifier Added Result Qualifier Limits Analyte Unit D %Rec <49.9 U Gasoline Range Organics 999 1138 mg/Kg 114 70 - 130 (GRO)-C6-C10 999 Diesel Range Organics (Over <49.9 U 853.2 mg/Kg 85 70 - 130

C10-C28)

MS MS Surrogate %Recovery Qualifier Limits 1-Chlorooctane 70 - 130 101 o-Terphenyl 94 70 - 130

Lab Sample ID: 890-2794-1 MSD Client Sample ID: SS11 **Prep Type: Total/NA**

Matrix: Solid

Analysis Batch: 32810

Prep Batch: 32817 Sample Sample Spike MSD MSD %Rec **RPD** Result Qualifier Added Result Qualifier Limits **RPD** Limit **Analyte** Unit D %Rec <49.9 U 998 956.7 96 70 - 130 17 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10

760.2

998

Diesel Range Organics (Over C10-C28)

MSD MSD %Recovery Qualifier Limits Surrogate 1-Chlorooctane 87 70 - 130 o-Terphenyl 83 70 - 130

<49.9 U

Eurofins Carlsbad

20

12

20

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Client Sample ID: Matrix Spike

Client: Ensolum Job ID: 890-2794-1 Project/Site: Raspberry State Com SDG: 03D2024048

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-32736/1-A

Analysis Batch: 32797

Matrix: Solid

MB MB

Analyte Result Qualifier RL Unit Analyzed Dil Fac D Prepared 5.00 08/24/22 12:02 Chloride <5.00 U mg/Kg

Lab Sample ID: LCS 880-32736/2-A

Matrix: Solid

Analysis Batch: 32797

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Limits 250 90 - 110 Chloride 243.9 mg/Kg 98

Lab Sample ID: LCSD 880-32736/3-A

Matrix: Solid

Analysis Batch: 32797

Spike LCSD LCSD %Rec **RPD** Added Result Qualifier Limits **RPD** Limit **Analyte** Unit %Rec Chloride 250 243.8 98 90 - 110 20 mg/Kg

Lab Sample ID: 890-2791-A-2-B MS

Matrix: Solid

Analysis Batch: 32797

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Chloride 686 251 919.6 mg/Kg 93 90 - 110

Lab Sample ID: 890-2791-A-2-C MSD

Matrix: Solid

Analysis Batch: 32797

MSD MSD RPD Sample Sample Spike %Rec Analyte Result Qualifier Added Unit Limits RPD Result Qualifier %Rec Limit Chloride 686 251 918.4 93 20 mg/Kg 90 - 110 0

Client: Ensolum
Project/Site: Raspberry State Com

Job ID: 890-2794-1 SDG: 03D2024048

GC VOA

Prep Batch: 33466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2794-1	SS11	Total/NA	Solid	5035	
MB 880-33466/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-33466/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-33466/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2791-A-2-H MS	Matrix Spike	Total/NA	Solid	5035	
890-2791-A-2-I MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 33557

Lab Sample ID 890-2794-1	Client Sample ID SS11	Prep Type Total/NA	Matrix Solid	Method 8021B	Prep Batch 33466
MB 880-33466/5-A	Method Blank	Total/NA	Solid	8021B	33466
LCS 880-33466/1-A	Lab Control Sample	Total/NA	Solid	8021B	33466
LCSD 880-33466/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	33466
890-2791-A-2-H MS	Matrix Spike	Total/NA	Solid	8021B	33466
890-2791-A-2-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	33466

Analysis Batch: 33638

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2794-1	SS11	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 32810

Lab Sample ID 890-2794-1	Client Sample ID SS11	Prep Type Total/NA	Matrix Solid	Method 8015B NM	Prep Batch 32817
MB 880-32817/1-A	Method Blank	Total/NA	Solid	8015B NM	32817
LCS 880-32817/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	32817
LCSD 880-32817/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	32817
890-2794-1 MS	SS11	Total/NA	Solid	8015B NM	32817
890-2794-1 MSD	SS11	Total/NA	Solid	8015B NM	32817

Prep Batch: 32817

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2794-1	SS11	Total/NA	Solid	8015NM Prep	
MB 880-32817/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-32817/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-32817/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2794-1 MS	SS11	Total/NA	Solid	8015NM Prep	
890-2794-1 MSD	SS11	Total/NA	Solid	8015NM Prep	

Analysis Batch: 32870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2794-1	SS11	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 32736

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2794-1	SS11	Soluble	Solid	DI Leach	-
MB 880-32736/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-32736/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-32736/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

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Page 11 of 20

Client: Ensolum

Project/Site: Raspberry State Com

Job ID: 890-2794-1

SDG: 03D2024048

HPLC/IC (Continued)

Leach Batch: 32736 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2791-A-2-B MS	Matrix Spike	Soluble	Solid	DI Leach	
890-2791-A-2-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 32797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2794-1	SS11	Soluble	Solid	300.0	32736
MB 880-32736/1-A	Method Blank	Soluble	Solid	300.0	32736
LCS 880-32736/2-A	Lab Control Sample	Soluble	Solid	300.0	32736
LCSD 880-32736/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	32736
890-2791-A-2-B MS	Matrix Spike	Soluble	Solid	300.0	32736
890-2791-A-2-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	32736

Metals

Prep Batch: 67856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2794-1	SS11	Total/NA	Solid	29B	

Prep Batch: 68370

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2794-1	SS11	Total/NA	Solid	29B	67856

Analysis Batch: 68491

	Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
l	890-2794-1	SS11	Total/NA	Solid	29B SAR	68370

Lab Chronicle

Client: Ensolum Job ID: 890-2794-1 Project/Site: Raspberry State Com SDG: 03D2024048

Client Sample ID: SS11 Lab Sample ID: 890-2794-1

Date Collected: 08/19/22 08:20 Matrix: Solid Date Received: 08/19/22 15:53

	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	33466	08/31/22 14:40	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33557	09/01/22 19:30	EL	EET MID
Total/NA	Analysis	Total BTEX		1			33638	09/02/22 11:24	AJ	EET MID
Total/NA	Analysis	8015 NM		1			32870	08/24/22 17:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	32817	08/24/22 08:40	DM	EET MID
Total/NA	Analysis	8015B NM		1			32810	08/24/22 11:46	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	32736	08/23/22 09:11	KS	EET MID
Soluble	Analysis	300.0		1			32797	08/24/22 16:52	SMC	EET MID
Total/NA	Prep	29B			100.05 g	100 g	67856	09/05/22 18:35	PB	EET HOU
Total/NA	Prep	29B			100.05 g	100 mL	68370	09/08/22 19:15	PB	EET HOU
Total/NA	Analysis	29B SAR		1			68491	09/09/22 15:16	DP	EET HOU

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum Job ID: 890-2794-1
Project/Site: Raspberry State Com SDG: 03D2024048

Laboratory: Eurofins Houston

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

Authority	Pro	ogram	Identification Number	Expiration Date 06-30-23	
Texas	NE	LAP	T104704215-22-47		
The following analyte	a are included in this rene	rt but the leberatory is n	est cortified by the governing outbority	This list may include analytes for wh	
The following analytes the agency does not do	•	rt, but the laboratory is n	not certified by the governing authority.	This list may include analytes for wh	

Laboratory: Eurofins Midland

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

Authority	P	Program Identification Num		Expiration Date
Texas	N	IELAP	T104704400-22-24	06-30-23
The following analyte the agency does not		port, but the laboratory is r	not certified by the governing authority.	This list may include analytes for which
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	Total TPH	
Total BTEX		Solid	Total BTEX	

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4.0

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Method Summary

Client: Ensolum

Method

Total BTEX

8015 NM

8015B NM

8015NM Prep

DI Leach

300.0

5035

8021B

Project/Site: Raspberry State Com

Method Description

Total BTEX Calculation

Microextraction

Volatile Organic Compounds (GC)

Diesel Range Organics (DRO) (GC)

Diesel Range Organics (DRO) (GC)

Deionized Water Leaching Procedure

Anions, Ion Chromatography

Closed System Purge and Trap

Job ID: 890-2794-1

SDG: 03D2024048

Protocol	Laboratory
	Euborator y
SW846	EET MID
TAL SOP	EET MID
SW846	EET MID
SW846	EET MID
MCAWW	EET MID
SW846	EET MID

EET MID **EET MID**

SW846

ASTM

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: Raspberry State Com

Job ID: 890-2794-1

SDG: 03D2024048

Lab Sample ID Client Sample ID Collected Matrix Received Depth 890-2794-1 SS11 Solid 08/19/22 08:20 08/19/22 15:53 0.5

Circle Method(s) and Metal(s) to be

Total 200.7 / 6010

200.8 / 6

otice: Signature of this document and relingu

service. Eurofins Xenco will be liable only

Rejinguished by: (Signature)

Received by: (Signature)

1,4192 1558 Date/Time

Relinquished by: (Signature)

eurofins 🔅

Phone:

303-887-2946 Carlsbad, NM 8 3122 National F Ensolum Josh Adams

Raspberr

SAMPLE RECEIPT

Samples Received Intact:

Sample Custody Seals: Cooler Custody Seals:

Yes No Yes No

Sample Identification SS11

Sampler's Name: Project Location: Project Number: Project Name:

32.4435

Address:

City, State ZIP:

Project Manager:

Company Name:

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 idland TX (432) 704-5440, San Antonio, TX (210) 509-3334

			www.xenco.com Page f of /	
dams	Bill to: (if different)	Josh Adams	Work Order Comments	
ח	Company Name:		Program: UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐	
ational Parks Hwy	Address:			
ld, NM 88220	City, State ZIP:	Report	Reporting: Level II 🗌 Level III 🗎 PST/UST 📗 TRRP 📗 Level IV 🗀	
7-2946	Email: jadams@ensolum.com		Deliverables: EDD ADaPT Other:	
aspberry State Com	Turn Around	ANALYSIS REQUEST	Preservative Codes	
		Pres.	None: NO DI Water: H ₂ O	
32.4435,-103.55197 Due	Due Date:		Cool: Cool MeOH: Me	
	TAT starts the day received by the lab, if received by 4:30pm		H ₂ SO ₄ : H ₂ NaOH: Na	
Temp Blank: Wes No We	Wet ice: Kee No	.0)	H₃PO₄: HP	
(fes) No Thermometer ID:	Th 3 607	300		20
B	10.00		Na ₂ 5 ₂ O ₃ . Na ₅ O ₃	7 of
Corrected Temperature:	rature: (6.)	15)	NaOH+Ascorbic Acid: SAPC	1 م
Matrix Sampled Sar	Time Depth Grab/ #	CHLOR TPH (80 BTEX (I	Sample Comments	Par
	8:20 0.5	×	Incident ID:	
	+		NAPP2213029810	
			Cost Center:	
			A760291SM	
		K B	AFE:	
			/	
00.8 / 6020: 8RCRA	13PPM Texas 11 P / SPLP 6010: 8R0	Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni CRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U	//n Mo Ni K Se Ag SiO₂ Na Sr Tl Sn U V Zn Ag Tl U Hg: 1631 / 245 1 / 7470 / 7471	
and relinquishment of samples constitute	s a valid purchase order from cl	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 able 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 and the control in	ins standard terms and conditions o circumstances beyond the control conforced unless previously penetiated.	
twe) Received by: (Signature)	(Signature)	ture) Received by: (Signature) Date/Time Relinquished by: (Signature) Received by: (Signature)	Received by: (Signature) Date/Time	

🍣 eurofins | Environment Testing

Chain of Custody Record

Phone: 575-988-3199 Fax: 575-988-3199

Carlsbad, NM 88220

1089 N Canal St.

Eurofins Carlsbad

Ver 06/08/2021

13

IRTD:HOU-343 Vote: Since laborationy accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratority and ships an 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 attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting South Central, LLC attention immediately. If all requested accreditations are current to false, return the signed Chain of Custody attesting South Central, LLC. TSP Dodecahydra D Special Instructions/Note: Na2O4S Na2SO3 Na2S2O3 Months H2S04 Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client

Mon Corrected Temp: -emp: C/F-to:30 Preservation Code HCL NaOH National National National National National National Amenior Assorbus Acid Ice Expra Page 1 of 1 890-2794-1 890-898.1 Тетр: Total Number of containers Date/Time: Aethod of Shipment: Carrier Tracking No(s): State of Origin: New Mexico Requested Cooler Jemperature(s) "C and Other Remarks: Special Instructions/QC Requirements: Analysis Jessica.Kramer@et.eurofinsus.com Accreditations Required (See note): Return To Client Received by: Received by NELAP Texas Sefform MS/MSD/(Yee.or(No) % Rechord Method (MOM) bilo2_ger9 % Rechold) % Rechold (MOM) bilo2_ger9 % Rechold (MOM) bilo3_ger9 % Rechold (MOM) with the second secon Lab PM: Kramer Jessica Ē Field Filtered Semple (Yes or No.) E-Mail: G=grab) BT-Thew, A-All Preservation Code: Matrix Solid Company Сопрапу (C=Comp, Sample Type Primary Deliverable Rank: 2 Sample Mountain Time (days): Due Date Requested: 8/25/2022 Sample Date 8/19/22 Project #. 89000115 Jate/Time: Sate/Time: % ₩ Client Information (Sub Contract Lab) Deliverable Requested: 1 II III, IV Other (specify) Custody Seal No. Sample Identification - Client ID (Lab ID) Eurofins Environment Testing South Centr Possible Hazard Identification Empty Kit Relinquished by Custody Seals Intact:
A Yes A No Raspberry State Com Shipping/Receiving 4145 Greenbriar Dr 281-240-4200(Tel) ss11 (890-2794-1) Relinquished by: elinquished by: Jnconfirmed elinquished by: State, Zip: TX, 77477 Stafford

Client: Ensolum Job Number: 890-2794-1 SDG Number: 03D2024048

Login Number: 2794 **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.	False	Did not receive all required containers.
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	

Client: Ensolum Job Number: 890-2794-1 SDG Number: 03D2024048

Login Number: 2794 **List Source: Eurofins Midland** List Creation: 08/23/22 10:32 AM List Number: 2

Creator: Rodriguez, Leticia

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



APPENDIX E

NMOCD Notifications

From: Kalei Jennings To: Josh Adams

Subject: FW: COP- Sampling Notification (Week of 07/25/22-07/29/22)

Date: Thursday, September 22, 2022 1:19:15 PM

Attachments: image001.png image002.png

image003.png image004.png image005.png



Kalei Jennings

Senior Scientist 817-683-2503 **Ensolum, LLC**

From: Kalei Jennings

Sent: Wednesday, July 20, 2022 6:10 PM

in f 🏏

To: ocd.enviro@state.nm.us

Subject: COP- Sampling Notification (Week of 07/25/22-07/29/22)

All,

COP plans to complete final sampling activities at the following sites the week of July 25, 2022.

Monday:

- Raspberry State Com 001H / NAPP2213029810
- King Tut Federal Com 001H / NAPP2127234076

Tuesday:

Wednesday:

Thursday:

Zia Hills 1A/B BTF / NAPP2216037138

Friday:

Zia Hills 1A/B BTF / NAPP2216037138

Thank you,



Kalei Jennings Senior Scientist

Ensolum, LLC

Josh Adams

From: Beauvais, Charles R < Charles.R.Beauvais@conocophillips.com>

Sent: Tuesday, July 26, 2022 10:29 AM

To: Kalei Jennings

Subject: FW: [EXTERNAL] Extension Request- Raspberry State Com 001H (Incident Number NAPP2213029810)

Attachments: Raspberry State Com 001H- NAPP2213029810.pdf

[**EXTERNAL EMAIL**]

Kalei.

FYI

From: Nobui, Jennifer, EMNRD < Jennifer. Nobui@state.nm.us>

Sent: Tuesday, July 26, 2022 9:32 AM

To: Beauvais, Charles R < Charles.R. Beauvais@conocophillips.com>

Cc: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>;

Harimon, Jocelyn, EMNRD < Jocelyn. Harimon@state.nm.us>

Subject: FW: [EXTERNAL] Extension Request- Raspberry State Com 001H (Incident Number NAPP2213029810)

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Charles,

Your request for a 90-day extension to **October 28th, 2022** is approved. Please include this e-mail correspondence in the remediation and/or closure report.

Thanks

Jennifer Nobui

From: Enviro, OCD, EMNRD < OCD. Enviro@state.nm.us>

Sent: Tuesday, July 26, 2022 8:00 AM

To: Bratcher, Mike, EMNRD <<u>mike.bratcher@state.nm.us</u>>; Hamlet, Robert, EMNRD <<u>Robert.Hamlet@state.nm.us</u>>; Nobui, Jennifer, EMNRD <<u>Jennifer.Nobui@state.nm.us</u>>; Harimon, Jocelyn, EMNRD <<u>Jocelyn.Harimon@state.nm.us</u>>;

Velez, Nelson, EMNRD < Nelson. Velez@state.nm.us >

Subject: Fw: [EXTERNAL] Extension Request- Raspberry State Com 001H (Incident Number NAPP2213029810)

From: Beauvais, Charles R < Charles R < Charles.R.Beauvais@conocophillips.com>

Sent: Monday, July 25, 2022 3:17 PM

To: Enviro, OCD, EMNRD < OCD. Enviro@state.nm.us>; EMNRD-OCD-District1spills < EMNRD-OCD-

<u>District1spills@state.nm.us</u>>; Hamlet, Robert, EMNRD < <u>Robert.Hamlet@state.nm.us</u>> **Cc:** Fejervary Morena, Gustavo A < G.Fejervary@conocophillips.com>; Esparza, Brittany

<Brittany.Esparza@conocophillips.com>

Subject: [EXTERNAL] Extension Request- Raspberry State Com 001H (Incident Number NAPP2213029810)

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

To Whom It May Concern,

COG Operating, LLC (COG) is requesting an extension for the current deadline of July 29, 2022, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC for the Raspberry State Com 001H (Incident Number NAPP2213029810). The release was discovered on April 30, 2022, and initial site assessment activities are complete. The most recent laboratory analytical results indicate that additional remediation activities are required. In order to complete additional remediation activities and submit a remediation work plan or closure report, COP requests a 90-day extension of this deadline until October 27, 2022.

Respectfully,

Charles R. Beauvais II

Senior Environmental Engineer | Environmental Operations | ConocoPhillips (M) 575-988-2043

<u>Charles.R.Beauvais@conocophillips.com</u>

Our work is never so urgent or important that we cannot take the time to do it safely and in an environmentally responsible manner.



Josh Adams

From: Nobui, Jennifer, EMNRD < Jennifer.Nobui@state.nm.us>

Sent: Friday, July 8, 2022 8:18 AM

To: Kalei Jennings

Cc: Bratcher, Mike, EMNRD; Hamlet, Robert, EMNRD; Harimon, Jocelyn, EMNRD **Subject:** FW: [EXTERNAL] COP-Sampling Notification (Week of 07/11/22-07/15/22)

[**EXTERNAL EMAIL**]

Kalei

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thanks,

Jennifer Nobui

From: Enviro, OCD, EMNRD < OCD.Enviro@state.nm.us>

Sent: Friday, July 8, 2022 8:13 AM

To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@state.nm.us>; Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>;

Hamlet, Robert, EMNRD < Robert. Hamlet@state.nm.us>

Subject: Fw: [EXTERNAL] COP-Sampling Notification (Week of 07/11/22-07/15/22)

From: Kalei Jennings < kjennings@ensolum.com>

Sent: Thursday, July 7, 2022 2:16 PM

To: Enviro, OCD, EMNRD < OCD. Enviro@state.nm.us>

Subject: [EXTERNAL] COP-Sampling Notification (Week of 07/11/22-07/15/22)

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

All,

COP plans to complete final sampling activities at the following sites the week of July 11, 2022.

Monday:

Tuesday:

Wednesday:

Raspberry State Com 001H / NAPP2213029810

Thursday:

Zia Hills 19-1 / NAPP2215827276

Friday:

Thank you,



Josh Adams

From: Nobui, Jennifer, EMNRD < Jennifer.Nobui@state.nm.us>

Sent: Wednesday, June 8, 2022 4:31 PM

To: Kalei Jennings

Cc: Bratcher, Mike, EMNRD; Hamlet, Robert, EMNRD; Harimon, Jocelyn, EMNRD

Subject: FW: [EXTERNAL] Sampling Notification (Week of 06/13/22-06/17/22)

[**EXTERNAL EMAIL**]

Kalei

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thanks,

Jennifer Nobui

From: Enviro, OCD, EMNRD < OCD.Enviro@state.nm.us>

Sent: Wednesday, June 8, 2022 4:21 PM

To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@state.nm.us>

Subject: Fw: [EXTERNAL] Sampling Notification (Week of 06/13/22-06/17/22)

From: Kalei Jennings < kjennings@ensolum.com >

Sent: Wednesday, June 8, 2022 4:11 PM

To: Enviro, OCD, EMNRD < OCD. Enviro@state.nm.us>

Subject: [EXTERNAL] Sampling Notification (Week of 06/13/22-06/17/22)

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

All,

COP plans to complete final sampling activities at the following sites the week of June 13, 2022.

Monday

Columbus Fed 021 & 022H CTB / NAPP2203830124

Tuesday

- Battle Axe Federal Com 002H / NAPP2134740531
- Broadcaster 29 Federal 3H / NAPP2201938653 & NAPP2132773092
- Super Cobra State Com #001H / NAPP2211531225
- Raspberry State Com 001H / NAPP2213029810

Wednesday

Raspberry State Com 001H / NAPP2213029810

- Jaguar 18 State Com 002H & 003H / NAPP2213643210
- Thursday

Friday

Thank you,



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 149797

CONDITIONS

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	149797
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	10/26/2022