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	nAPP2208846424
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: WPX Energy Permian, LLC	OGRID: 246289
Contact Name: Jim Raley	Contact Telephone: 575-689-7597
Contact email: jim.raley@dvn.com	Incident # (assigned by OCD) nAPP2208846424
Contact mailing address: 5315 Buena Vista Dr., Carlsbad NM 88220	

Location of Release Source

Latitude 32.0072937_

Longitude -103.9659729_

(NAD 83 in decimal degrees to 5 decimal places)

Site Name: PECOS FEDERAL #001Y	Site Type: Oil Production Site
Date Release Discovered: March 21st, 2022	API# (if applicable) 30-015-24875

Unit Letter	Section	Township	Range	County
Р	27	26S	29E	Eddy

Surface Owner: State Federal Tribal Private (Name:

Nature and Volume of Release

Materia	l(s) Released (Select all that apply and attach calculations or specific	justification for the volumes provided below)
🔀 Crude Oil	Volume Released (bbls) 8	Volume Recovered (bbls) 3
Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release: Tank overflow allowed the release of approx. 8 bbls of oil. Approx 6 bbls was released to secondary containment of which 3bbls was recovered. Winds allowed approx. 2 bbls to impact soils offsite.		
$bbl \ estimate = \frac{saturated \ soil \ volume(ft^3)}{4.21(\frac{ft^3}{bbl \ equivalent})} * estimated \ soil \ porosity \ (\%) + recoverd \ fluids \ (bbls)$		

Page 2

Oil Conservation Division	Oil	Conserv	ation	Div	visior
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Incident ID	nAPP2208846424
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible party consider this a major release?
🗌 Yes 🖾 No	
If YES, was immediate ne	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)

Initial Response

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

 \square The source of the release has been stopped.

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

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

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

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

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

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

Printed Name:James Raley	Title: Environmental Specialist
Signature: <i>fin Rdy</i> email:jim.raley@dvn.com	Date:3/29/2022 Telephone:575-689-7597
OCD Only Jocelyn Harimon Received by:	03/29/2022 Date:

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

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

District III

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

District IV

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

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

CONDITIONS

	OGRID:
WPX Energy Permian, LLC	246289
	Action Number:
Oklahoma City, OK 73102	93973
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	3/29/2022

Page 3cof 219

Received by OCD: 6/20/2022 7:29:20 AM Form C-141 State of New Mexico

Oil Conservation Division

	rage 4 0j 21
Incident ID	nAPP2208846424
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- X Field data
- X Data table of soil contaminant concentration data
- \underline{X} Depth to water determination
- X Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- X Boring or excavation logs
- X Photographs including date and GIS information
- X Topographic/Aerial maps
- X Laboratory data including chain of custody

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

eceived by OCD: 6/20/2	State of New Mexico			Page 5 of 2
			Incident ID	nAPP2208846424
Page 4	Oil Conservation Division		District RP	
			Facility ID	
			Application ID	
failed to adequately invest		reat to groundwater, su f responsibility for co 	nmental Profession	or the environment. In deral, state, or local laws nal
_{email:} _jim.raley@d	·	Telephone: 578	2022 5-686-7597	
OCD Only Received by:		Date:		

Page 5

Oil Conservation Division

Incident ID	nAPP2208846424
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.

X

Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation points Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC

Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: Each of the following items must be con	firmed as part of any request for deferral of remediation.
Contamination must be in areas immediately under or around prodeconstruction.	oduction equipment where remediation could cause a major facility
Extents of contamination must be fully delineated.	
Contamination does not cause an imminent risk to human health	, the environment, or groundwater.
I hereby certify that the information given above is true and complet rules and regulations all operators are required to report and/or file c which may endanger public health or the environment. The acceptan liability should their operations have failed to adequately investigate surface water, human health or the environment. In addition, OCD a responsibility for compliance with any other federal, state, or local la	ertain release notifications and perform corrective actions for releases nee of a C-141 report by the OCD does not relieve the operator of and remediate contamination that pose a threat to groundwater, neceptance of a C-141 report does not relieve the operator of
Printed Name: Jim Raley	Title: Environmental Professional
Signature: fin Rold	Date:06/19/2022
email:jim.raley@dvn.com	Telephone:575-686-7597
OCD Only	
Received by:	Date:
Approved Approved with Attached Conditions of A	Approval Denied Deferral Approved
<u>Signature:</u> Jennifer Nobui	Date: 09/20/2022

			AM								
<u>District I</u> 1625 N. French I	Dr., Hobbs, N	VM 88240			_	New Mex	ico A	L CONS			Form C-141
District II 811 S. First St., A	Artesia, NM	88210		Energy M	inerals a	and Natura	l Resources	NOV 10	2014		August 8, 2011
District III 1000 Rio Brazos	Road, Aztec	, NM 87410				vation Div		Submit	I Copy	to appropriate Dis cordance with 19.	trict Office in 5 29 NMAC.
District IV 220 S. St. Franc	cis Dr., Santa	Fe, NM 87505	5			St. Franc , NM 875		RECEI\			
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Facility Nam				i			e Oil and Gas	Well			
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Unit Letter	Section	Township	Range	Feet from the	North/	South Line	Feet from the	East/West	t Line	County	
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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

Page 8 of 219

Incident ID	NAB1431650115
District RP	2RP-2595
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party WPX Energy, Inc.	OGRID 246289
Contact Name Jim Raley	Contact Telephone (575)689-7597
Contact email jim.raley@dvn.com	Incident # (assigned by OCD) NAB1431650115
Contact mailing address 5315 Buena Vista Dr., Carlsbad, NM 88	220

Location of Release Source

Latitude 32.0072945706848

Longitude _____-103.965986188431 (NAD 83 in decimal degrees to 5 decimal places)

Site Name Pecos Federal 001Y	Site Type Oil and Gas Well
Date Release Discovered 11/10/2014	API# (<i>if applicable</i>) 30-015-24875

Unit Letter	Section	Township	Range	County
Р	27	26S	29E	Eddy

Surface Owner: State X Federal Tribal Private (Name:

Nature and Volume of Release

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

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
X Produced Water	Volume Released (bbls) 25	Volume Recovered (bbls) 25
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	X Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

Transfer pump suction line from tank battery developed a leak and released 25 bbls of produced water to lined secondary containment. A vacuum truck was used to recover free liquids. The suction line, formerly rubber hose construction, was replaced with steel line. All fluids remained in lined secondary containment and was able to be recovered with vacuum truck.

Incident ID	NAB1431650115
District RP	2RP-2595
Facility ID	
Application ID	

Page 9 of 219

Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible party consider this a major release?
X Yes 🗌 No	
If YES, was immediate n	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

Initial Response

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

X The source of the release has been stopped.

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

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

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

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

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

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

Printed Name:Jim Raley	Title:Environmental Professional
Signature:	Date:6/19/2022
email: jim.raley@dvn.com Te	elephone: 575-686-7597
OCD Only	
Received by:	Date:

OCD: 6/20/2022 7:29:20 AM State of New Mexico

Oil Conservation Division

	Page 10 of 212	9
Incident ID	NAB1431650115	
District RP	2RP-2595	
Facility ID		
Application ID		

Site Assessment/Characterization

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

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

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

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

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- X Field data
- X Data table of soil contaminant concentration data
- X Depth to water determination
- X Determination of water sources and significant watercourses within ¹/₂-mile of the lateral extents of the release
- X Boring or excavation logs
- X Photographs including date and GIS information
- Χ Topographic/Aerial maps
- X Laboratory data including chain of custody

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

Page 3

<i>eceived by OCD: 6/20/2022 7:29:20</i> orm C-141	AMata of New Mariaa		Page 11 of
	Dil Conservation Division	Incident ID District RP	NAB1431650115 2RP-2595
		Facility ID Application ID	
regulations all operators are required to re public health or the environment. The ac failed to adequately investigate and reme	Date:0	perform corrective actions for rele t relieve the operator of liability sh water, surface water, human health	eases which may endanger ould their operations have or the environment. In deral, state, or local laws nal
OCD Only			
Received by:	Da	te:	

Page 5

Oil Conservation Division

Incident ID	NAB1431650115
District RP	2RP-2595
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.

X

Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation points Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC

Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: Each of the following items must be con	firmed as part of any request for deferral of remediation.				
Contamination must be in areas immediately under or around prodeconstruction.	oduction equipment where remediation could cause a major facility				
Extents of contamination must be fully delineated.					
Contamination does not cause an imminent risk to human health	, the environment, or groundwater.				
I hereby certify that the information given above is true and complet	e to the best of my knowledge and understand that pursuant to OCD				
	ertain release notifications and perform corrective actions for releases nee of a C-141 report by the OCD does not relieve the operator of and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of				
Printed Name: Jim Raley					
Signature:	Date: 06/19/2022				
email: jim.raley@dvn.com	Date:06/19/2022 Telephone:575-686-7597				
OCD Only					
Received by:	Date:				
Approved Approved with Attached Conditions of A	Approval Denied Deferral Approved				
Signature:	Date:				



REMEDIATION WORK PLAN

Site Location:

Pecos Federal #001Y Eddy County, New Mexico Incident Numbers: nAPP2208846424 nAB1431650115

June 16, 2022 Ensolum Project No. 03A1987014

Prepared for:

WPX Energy Permian, LLC 5315 Buena Vista Dr. Carlsbad, New Mexico 88220 Attention: Jim Raley

Prepared by:

myn S. Holy -

Joseph S. Hernandez Senior Geologist

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

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants 10333 Harwin Drive, Suite 470 | Houston, TX 77036 | ensolum.com



Pecos Federal #001Y Incident Number: nAPP2208846424 and nAB1431650115 Remediation Work Plan June 16, 2022

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3.0	SOIL SAMPLING RESULTS
4.0	REMEDIATION WORK PLAN
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	Figure 2 – Delineation Soil Sample Locations
	Figure 3 – Area of Concern
Appendix B:	Well Record

- Appendix C: Lithologic Soil Sampling Logs
- Appendix D: Photographic Log
- Appendix E: Tables
- Appendix F: Laboratory Analytical Reports & Chain-of-Custody Documentation

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1.0 INTRODUCTION

Ensolum, LLC (Ensolum) has prepared this Remediation Work Plan Report (RWP) to document site assessment, soil sampling activities, and preliminary corrective actions performed to date by WPX Permian Energy, LLC (WPX) at the Pecos Federal #001Y (hereinafter referred to as the "Site") in Unit P, Section 27, Township 26 South, Range 30 East, in Eddy County, New Mexico (Figure 1 in Appendix A). Based on field observations, field screening activities, and review of the laboratory analytical results from delineation soil sampling activities at the Site, WPX respectfully submits this RWP, which summarizes soil sampling activities to further investigate and address reportable releases of crude oil and produced water at the Site.

Additionally, WPX has provided relevant information for a historical release (Incident Number nAB1431650115) that is overlapped by the newer release (Incident Number nAPP2208846424) and requests to include in the deferral request once the releases are fully laterally delineated.

1.1 Site Description and Release Background

The Site is located within Eddy County, New Mexico (32.0072937° N, 103.9659729°W) and is associated with oil and gas exploration and production operations on Bureau of Land Management (BLM) Federal Land **(Figure 1 in Appendix A)**.

nAPP2208846424

On March 21, 2022, a tank overflowed and allowed the release of approximately 6 barrels (bbls) of crude oil to the secondary containment and 2 bbls of overspray to the pasture. Approximately 3 bbls were able to be recovered successfully from the secondary containment. WPX reported the release to the New Mexico Oil Conservation Division (NMOCD) with a subsquent Corrective Action Form C-141 (Form C-141) dated March 29, 2022. The release was assigned Incident Number nAPP2208846424.

nAB1431650115

On November 10, 2014, the transfer pump suction line from the tank battery developed a leak and released approximately 25 bbls of produced water to the secondary containment. Approximately 25 bbls of crude oil were recovered via vacuum truck. The former operator, RKI E&P, LLC, reported the release to the NMOCD via phone and email, with a subsquent Form C-141, on November 10, 2014. WPX ultimately acquired the asset and assumed liability for remediation of the release. The release was assigned Incident Number nAB1431650115.

1.2 Site Characterization

Ensolum characterized the Site according to Table 1, Closure Criteria for Soils Impacted by a Release, from Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC).

Depth to groundwater at the Site is estimated to be between 51 and 100 feet below ground surface (bgs) based a United States Geological Survey (USGS) water well 320106103555301, located 0.50 miles northeast of the Site. The water well has a reported depth to groundwater of 53.46 feet bgs. The well record is provided in **Appendix B**.

The closest continuously flowing or significant watercourse to the Site is the Pecos River, located approximately 3,305 feet west 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, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is underlain by unstable geology (high potential karst designation area). Results from the characterization desktop review are presented on page 3 of the Form C-141, Site Assessment/Characterization. Potential Site receptors are identified on **Figure 1 in Appendix A**.

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

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

1.3 Project Objective

The primary objectives of Ensolum's scope of services were to document soil characterization and delineation actions, which were completed in accordance with the applicable NMOCD regulatory guidelines, and to document those concentrations of constituents of concern (COCs) present in soil remaining on-Site for remediation.

2.0 SOIL SAMPLING AND INITIAL REMEDIAL ACTIONS

WPX conducted delineation soil sampling activities for Incident Numbers nAPP2208846424 and nAB1431650115 and performed intial response efforts to remove immediate impacts from the secondary containment associated with the more recent Incident Number nAPP2208846424 for off-Site disposal. During delineation soil sampling events to characterize vertical and lateral extent of impacts, WPX encountered additional areas requiring soil investigation. Below is a summary of those events.

On April 18, 2022 and May 18, 2022, delineation activities were conducted by Ensolum to confirm the presence or absence of impacted soil in areas associated with the subject release areas. Delineation samples were collected in potholes advanced with heavy equipment (samples designated PH). Delineation activites were directed by field sceening soil for volatile aromatic hydrocarbons utilizing a calibrated photoionization detector (PID) and chloride using Hach[®] chloride QuanTab[®] test strips. A total of two soil samples were collected from each delineation soil sample location (PH01 through PH17): the sample with the highest observed field screening (0.5 foot bgs) and the greatest depth (ranging from 1-foot to 7 feet bgs). Since both releases occurred in and around the tank battery, delineation soil samples were collected to assess both releases at the same time. Soil sample location rationale are described below:

Sample Location Rationale:

• PH01 – in the vicinity of the two point of releases and inside the secondary containment

- PH02 through PH06 vertical delineation sample points within the March 2022 release extent outside containment
- PH07 through PH17 lateral delineation of COCs

The location of the delineation soil samples are shown in Figure 2 in Appendix A.

Field screening results and observations for each delineation soil sample were recorded on lithologic/soil sampling logs (Appendix C). The soil samples were placed directly into laboratory provided pre-cleaned glass jars and 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 LLC (Eurofins) in Carlsbad, New Mexico, for analysis of BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH following EPA Method 8015M/D; and chloride following EPA Method 300.0. Photographic documentation during delineation activities is included in **Appendix D**.

3.0 SOIL SAMPLING RESULTS

Laboratory analytical results of total depth delineation soil samples for PH11, PH15, and PH16 exceed the Closure Criteria. Soil sample PH01 was collected in the vicinity of the point of releases. Soil sample PH11 was advanced to laterally delineate soil sample PH01; however, the soil analytical results indicated COCs exceeded the Closure Criteria and as a result, soil samples PH15 through PH17 were advanced to fully define the lateral exent of soil impacts. Based on soil analytical results from soil samples PH12, PH13, and PH17, soil impacts have been laterally defined to the south, north and west of the tank battery. Based on the current extent of soil characterization at the Site, it appears vertical impacts associated with the subject releases does not extend beyond 7 feet bgs inside the secondary containment (PH01). Laboratory analytical results for delineation soil samples PH02 through PH10, PH14 and PH17 indicated COCs were within the applicable Closure Criteria.

Laboratory analytical results are summarized in the **Table 1** included in **Appendix E**. The executed chain-of-custody forms and laboratory analytical reports are provided in **Appendix F**.

4.0 **REMEDIATION WORK PLAN**

Based on the results documented in this report, the following findings and conclusions regarding the releases are presented:

- Laboratory analytical results of total depth delineation soil samples for PH11, PH15 and PH16 exceed the Closure Criteria.
- Based on laboratory analytical results for delineation samples collected from misting impacts (PH02 through PH06), no remediation efforts are required in these areas.
- Delineation soil samples off pad (PH07 through PH10 and PH14) were collected and additionally confirm horizontal delineation to COCs less than the Closure Criteria. Laboratory data associated with delineation soil sample location PH17 will be used to assist in determining a lateral boundary to the west of the Area of Concern (Figure 3 in Appendix A).
- Incident Number nAPP2208846424 overlaps historical Incident Number nAB1431650115. WPX respectfully requests NMOCD to review current and future laboratory analytical data

as it can be applicable for this release to provide vertical and lateral definition of the historical release and will be used to supplement a deferral request due to the current site and equipment configuration. **Figure 3 in Appendix A** depicts the proposed deferral area.

Based on the conclusions presented above, the following remediation is proposed:

- Soil characterization and investigation will conducted to determine the lateral and vertical extent of the Area of Concern and to complete a deferral volume estimate for Incident Numbers nAPP2208846424 and nAB1431650115. Laboratory analytical results will be used to determine estimated soil volume to be remediated or deferred.
- Following review of the additional soil characterization at the Site, WPX will re-evaluate the Area of Concern and submit a revised RWP detailing specific options of remediation for NMOCD review.

4.1 **Proposed Schedule**

WPX believes the scope of work described above will meet requirements set forth in NMAC 19.15.29.13 and be protective of human health, the environment, and groundwater. As such, WPX respectfully requests approval of this RWP from NMOCD. WPX anticipates completing additional delineation activities within 90 days of NMOCD's approval of this RWP.



APPENDIX A

Figures

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Received by OCD: 6/20/2022 7:29:20 AM



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APPENDIX B

Well Record

USGS Home Contact USGS Search USGS



National Water Information System: Web Interface

USGS Water Resources

 Data Category:
 Geographic Area:

 Groundwater
 ✔
 United States
 ✔
 GO

Click to hideNews Bulletins

- Explore the NEW USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News 🔊

Groundwater levels for the Nation

Important: <u>Next Generation Monitoring Location Page</u>

Search Results -- 1 sites found

Agency code = usgs site_no list =

• 320106103555301

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 320106103555301 26S.29E.26.13143

Eddy County, New Mexico Latitude 32°00'51.3", Longitude 103°57'42.0" NAD83 Land-surface elevation 2,883.00 feet above NGVD29 The depth of the well is 140 feet below land surface. This well is completed in the Other aquifers (N9999OTHER) national aquifer. This well is completed in the Rustler Formation (312RSLR) local aquifer.

output formats	
Table of data	
Tab-separated data	
Graph of data	
Reselect period	

Date	Time	? Water- level date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1983-01-26		D	62610		2828.70	NGVD29	1	Z		
1983-01-26		D	62611		2830.22	NAVD88	1	Z		
1983-01-26		D	72019	54.30			1	Z		
1987-10-14		D	62610		2847.71	NGVD29	1	Z		
1987-10-14		D	62611		2849.23	NAVD88	1	Z		
1987-10-14		D	72019	35.29			1	Z		
1992-11-04		D	62610		2838.94	NGVD29	1	S		
1992-11-04		D	62611		2840.46	NAVD88	1	S		
1992-11-04		D	72019	44.06			1	S		
1998-01-28		D	62610		2829.99	NGVD29	1	S		
1998-01-28		D	62611		2831.51	NAVD88	1	S		
1998-01-28		D	72019	53.01			1	S		
2003-01-27		D	62610		2827.07	NGVD29	1	S	USG	5
2003-01-27		D	62611		2828.59	NAVD88	1	S	USG	5
2003-01-27		D	72019	55.93			1	S	USG	5
2013-01-09	19:00 UTC	m	62610		2825.19	NGVD29	1	S	USG	5

Released to Imaging: 9/20/2022 11:04:35 AM

Received by OCD: 6/20/2022 7:29:20 AM

2013-01-09 19:00 UTC m 62611 2826.71 NAVD88 1 S USGS 2013-01-09 19:00 UTC m 72019 57.81 1 S USGS 2021-02-24 21:10 UTC m 62610 2829.54 NGVD29 1 S USGS 2021-02-24 21:10 UTC m 62611 2831.06 NAVD88 1 S USGS 2021-02-24 21:10 UTC m 72019 53.46 1 S USGS	Date	Time	? Water- level date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
2013-01-09 19:00 UTCm7201957.811SUSGS2021-02-24 21:10 UTCm626102829.54NGVD291SUSGS2021-02-24 21:10 UTCm626112831.06NAVD881SUSGS											
2021-02-24 21:10 UTC m 62610 2829.54 NGVD29 1 S USGS 2021-02-24 21:10 UTC m 62611 2831.06 NAVD88 1 S USGS	2013-01-09	19:00 UTC	m	62611		2826.71	NAVD88	1	S	USGS	
2021-02-24 21:10 UTC m 62611 2831.06 NAVD88 1 S USGS	2013-01-09	19:00 UTC	m	72019	57.81			1	S	USGS	
	2021-02-24	21:10 UTC	m	62610		2829.54	NGVD29	1	S	USGS	
2021-02-24 21:10 UTC m 72019 53.46 1 S USGS	2021-02-24	21:10 UTC	m	62611		2831.06	NAVD88	1	S	USGS	
	2021-02-24	21:10 UTC	m	72019	53.46			1	S	USGS	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	А	Approved for publication Processing and review completed.

Questions about sites/data? Feedback on this web site Automated retrievals Help Data Tips Explanation of terms Subscribe for system changes News

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey Title: Groundwater for USA: Water Levels URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2022-06-16 07:31:38 EDT 0.34 0.24 nadww01





APPENDIX C

Lithologic Soil Sampling Logs

								Sample Name: PH01	5/18/2022
I FR	7	-		C				Site Name: Pecos Federal #00	
		-		3		. U		Incident Number: nAPP22088	
						Job Number: 03A1987014			
		LITHOL	OGI	C / SOIL S	SAMPLING	6 LOG		Logged By: GM	Method: Back-Hoe
Coord	inates: 32	2.00677,-	103.9	66761		Hole Diameter: N/A	Total Depth: 7'		
			-			PID for chloride and vapor, res factor included on chloride te			
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Lithologic	Descriptions		
D	252	21.3	Ν	PH01	0.5	0 -	SW-SM	0-7', SAND, dry, reddish silt, very fine-fine, t gravel, unknown oo	brown, well graded with trace subround-subangular
D	252	114	Ν	PH01	1	_ 1		graver, unknown ot	uor, no stanning.
D	252	96.9	Ν	PH01	2	-			
D	<168	37.4	Ν	PH01	3	-			
D	369.6	97.8	Ν	PH01	4	-			
D	280	30.6	Ν		5	5			
D	<168	27.9	Ν		6	-			
D	<168	2.6	Ν	PH01	7	-	TD	Total depth @ 7' bgs.	
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								Sample Name: PH02	5/18/2022
		_		C				Site Name: Pecos Federal #001Y	, ,
		-		3		. U		Incident Number: nAPP220884642	24 and nAB1431650115
_								Job Number: 03A1987014	
		LITHOL	OGI		SAMPLING	G LOG		Logged By: GM	Method: Back-Hoe
	inates: 32					Hole Diameter: N/A	Total Depth: 7'		
			-				PID for chloride and vapor, respect factor included on chloride test.	tively. Chloride test	
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Lithologic Des	scriptions		
D	<168	10.9	Ν	PH02	0.5	<u> </u> 0	SW	0-7', SAND, dry, brown, wel medium, trace subrour	l graded, very fine- nd-subangular gravel,
D	<168	17.1	Ν	PH02	1	1		no odor, no staining.	1 h
D	<168	0.7	Ν	PH02	2	L		@5', color change to reddis	sh-brown.
D	<168	0.6	N		3	-		@6', abundant silt.	
D	<168	0.8	N		4	-			
	168				5	- 5			
D		0.4	N		_				
D	873.6	0.4	Ν	PH02	6	-			
D	532	1.2	Ν	PH02	7	-	TD	Total depth @ 7' bgs.	
						-			
					-	-			
					-	- 40			
					-	10			
					-	-			
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								Sample Name: PH03	4/18/2022
								Site Name: Pecos Federal #001Y	4/10/2022
115		E	N	5	OL			Incident Number: nAPP22088464	24 and nAB1431650115
						Job Number: 03A1987014			
			OGI		SAMPLING	Logged By: CS	Method: Back-Hoe		
Coord	inates: 32			-		Hole Diameter: N/A	Total Depth: 1'		
					ith HACH Ch	lorido Tost 9		PID for chloride and vapor, respect	
			-					factor included on chloride test.	ively. Chioride test
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Lithologic De	scriptions		
D	<168	1.2	Ν	PH03	0.5	<u> </u>	SW	0-7', SAND, dry, brown, wel medium, trace subrour	l graded, very fine- nd-subangular gravel,
D	<168	0.3	Ν	PH03	1	1	TD	no odor, no staining. Total depth @ 1' bgs.	
					-	-			
					-	-			
					-	-			
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								Sample Name: PH04	4/18/2022
					•			Site Name: Pecos Federal #002	
		E	N	S	OL	. U	M	Incident Number: nAPP22088	
									+0424 dHU HAD1431030113
┣───						Job Number: 03A1987014			
Carallia				-	SAMPLING	Logged By: CS	Method: Back-Hoe Total Depth: 1'		
		.00677,-				Hole Diameter: N/A PID for chloride and vapor, res			
			-				•	PID for chloride and vapor, res i factor included on chloride te	
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Lithologic	Descriptions		
	<168 <168	0.4 0.7	N N	РН04 РН04	0.5	0 1	SW TD	no odor, no staining	ound-subangular gravel,
								Total depth @ 1' bgs.	

								Sample Name: PH05	4/18/2022
								Site Name: Pecos Federal #001Y	1/10/2022
115				5	01	Incident Number: nAPP22088464	24 and nAB1431650115		
								Job Number: 03A1987014	
		ПТНОГ	OGI		SAMPLING	Logged By: CS	Method: Back-Hoe		
Coord	inates: 32			-		Hole Diameter: N/A	Total Depth: 1'		
						loride Test 9	Strins and	PID for chloride and vapor, respect	•
								factor included on chloride test.	
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Lithologic De			
D	<168	0.3	Ν	PH05	0.5	0	SW	0-7', SAND, dry, brown, wel medium, trace subrour	l graded, very fine- nd-subangular gravel,
	-100	0.2	NI	DUOF		1	TD	no odor, no staining.	
D	<168	0.2	Ν	PH05	1	_ 1	TD	Total depth @ 1' bgs.	
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								Sample Name: PH06	4/18/2022
								Site Name: Pecos Federal #001Y	1/ 10/ 2022
			\mathbf{N}	5	OL	Incident Number: nAPP220884642	24 and nAB1431650115		
								Job Number: 03A1987014	
┣───			061		SAMPLING	Logged By: CS	Method: Back-Hoe		
Coordi	inates: 32			-		Hole Diameter: N/A	Total Depth: 1'		
					ith HACH Ch	loride Test 9	strins and	PID for chloride and vapor, respect	
								factor included on chloride test.	
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Lithologic Des			
D	<168	0.7	Ν	PH06	0.5	<u> </u>	SW	0-7', SAND, dry, brown, wel medium, trace subrour	l graded, very fine- id-subangular gravel,
	-160	0	NI	DUOC	1 -	1	TD	no odor, no staining.	
D	<168	0	Ν	PH06	1	- 1	ID	Total depth @ 1' bgs.	
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								Sample Name: PH07	4/18/2022
								Site Name: Pecos Federal #001Y	1/10/2022
115			\mathbf{N}	5	OL	Incident Number: nAPP22088464	24 and nAB1431650115		
								Job Number: 03A1987014	
			OGI		SAMPLING	Logged By: CS	Method: Back-Hoe		
Coord	inates: 32			-		Hole Diameter: N/A	Total Depth: 1'		
					ith HACH Ch	loride Test 9	Strins and	PID for chloride and vapor, respec	
								factor included on chloride test.	
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Lithologic De	scriptions		
D	<168	1.3	Ν	PH07	0.5	<u> </u>	SW	0-7', SAND, dry, brown, we medium, trace subrour	l graded, very fine- nd-subangular gravel,
D	<168	1	Ν	PH07	1 -	1	TD	no odor, no staining. Total depth @ 1' bgs.	
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								Sample Name: PH08	4/18/2022	
	- 1							Site Name: Pecos Federal #001Y	1/10/2022	
			N	5	OL			Incident Number: nAPP220884642	24 and nAB1431650115	
								Job Number: 03A1987014		
			OGI		SAMPLING	Logged By: CS	Method: Back-Hoe			
Coord	inates: 32			-		Hole Diameter: N/A	Total Depth: 1'			
					vith HACH Ch	PID for chloride and vapor, respect				
								factor included on chloride test.		
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Lithologic Des	scriptions			
D	<168	0.1	N	PH08	0.5	0	SW	0-7', SAND, dry, brown, wel medium, trace subroun no odor, no staining.	l graded, very fine- Id-subangular gravel,	
D	<168	0.8	Ν	PH08	1 _	1	TD	Total depth @ 1' bgs.		
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								Sample Name: PH09	4/18/2022
					•			Site Name: Pecos Federal #001Y	4/10/2022
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					-			Incident Number: nAPP22088464	+24 and NAB1431650115
1			0.01			Job Number: 03A1987014			
				-	SAMPLING	Logged By: CS	Method: Back-Hoe		
	inates: 32					Hole Diameter: N/A	Total Depth: 1'		
			-				•	PID for chloride and vapor, respendent of the second secon	ctively. Chloride test
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Lithologic De	escriptions		
D	<168	1.2	Ν	PH09	0.5	<u> </u>	SW	0-7', SAND, dry, brown, we medium, trace subrou	ell graded, very fine- nd-subangular gravel,
D	<168	1.5	Ν	PH09	1	1	TD	no odor, no staining. Total depth @ 1' bgs.	
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Status									Sample Name: PH10	4/18/2022
Job Number: 03A1987014 Job Number: 03A1987014 LITHOLOGIC / SOIL SAMPLING LOG Logged By: CS Method: Back-Hoe Coordinates: 32.00677,-103.966761 Hole Diameter: N/A Total Depth: 1' Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factor included on chloride test. and to a b b b b b b b b b b b b b b b b b b										1/10/2022
Job Number: 03A1987014 Job Number: 03A1987014 LITHOLOGIC / SOIL SAMPLING LOG Logged By: CS Method: Back-Hoe Coordinates: 32.00677,-103.966761 Hole Diameter: N/A Total Depth: 1' Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factor included on chloride test. and to a b b b b b b b b b b b b b b b b b b	115				5			24 and nAB1431650115		
LITHOLOGIC / SOIL SAMPLING LOGLogged By: CSMethod: Back-HoeCoordinates: 32.00677,-103.966761Hole Diameter: N/ATotal Depth: 1'Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride testperformed with 1:4 dilution factor of soil to distilled water. 40% correction factor included on chloride test.an tight of										
Operations Coordinates: 32.00677,-103.966761 Total Depth: 1' Coordinates: 32.00677,-103.966761 Total Depth: 1' Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factor included on chloride test. and to performed with 1:4 dilution factor of soil to distilled water. 40% correction factor included on chloride test. Lithologic Descriptions and to performed with 1:4 dilution factor of soil to distilled water. 40% correction factor included on chloride test. Lithologic Descriptions and to performed with 1:4 dilution factor of soil to distilled water. 40% correction factor included on chloride test. Lithologic Descriptions b to performed with 1:4 dilution factor of soil to distilled water. 40% correction factor included on chloride test. Lithologic Descriptions b to performed with 1:4 dilution factor of soil to distilled water. 40% correction factor included on chloride test. Depth (ft bgs)	┣──			0610				Method: Back-Hoe		
Or Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factor included on chloride test. Understand Understand<	Coordi				2					
performed with 1:4 dilution factor of soil to distilled water. 40% correction factor included on chloride test. an tion of the set o						ith HACH Ch	loride Test 9	Strins and		
D <168										
D <168	Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Depth	Lithologic De	scriptions		
D <168 1.5 N PH10 1 1 TD	D	<168	0.8	Ν	PH10	0.5	0 -	SW	medium, trace subrour	l graded, very fine- nd-subangular gravel,
	D	<168	1.5	Ν	PH10	1	1	TD		
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								Sample Name: PH11	5/18/2022	
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				C				Site Name: Pecos Federal #001Y	·	
			N	3		. U		Incident Number: nAPP22088464	24 and nAB1431650115	
								Job Number: 03A1987014		
	L	ITHOLO	DGIC	/ SOIL S	AMPLING	LOG		Logged By: GM	Method: Back-Hoe	
	nates: 32.0							Hole Diameter: N/A	Total Depth: 7'	
			-					D for chloride and vapor, respectiv led on chloride test.	ely. Chloride test performed	
Moisture Content	0,						USCS/Rock Symbol	Lithologic Descriptions		
D	3,406.4	0.7	Ν	PH11	0.5	0	SW-SM	0-7', SAND, dry, brown, wel fine-medium, trace sub gravel, no odor, no stai	round-subangular	
D	D 1,304.8 1.2 N 1 1 1									
D	D 1,741.6 1.7 N 2							@3', color change to reddis		
D								@4', color change to tan-br	rown.	
D										
D	1,209.6	1	Ν		5	5				
D	800.8	0.5	Ν		6	+				
D	280	0.4	Ν	PH11	7	-	TD	Total depth @ 7' bgs.		
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								Sample Name: PH12	5/18/2022
ЦE	7 1	-		C				Site Name: Pecos Federal #001Y	
		-	N	3	Ο	. U		Incident Number: nAPP22088464	24 and nAB1431650115
								Job Number: 03A1987014	
	L	ITHOLO	DGIC	/ SOIL S	AMPLING	LOG		Logged By: GM	Method: Back-Hoe
	inates: 32.0							Hole Diameter: N/A	Total Depth: 7'
			-					D for chloride and vapor, respectived on chloride test.	vely. Chloride test performed
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	scriptions
D	369.6	2.9	N	PH12	0.5	<u> </u>	SW-SM	0-7', SAND, dry, brown, we fine-medium, trace suk gravel, no odor, no sta	pround-subangular
D	728.0	3.3	Ν	PH12	1	1			
D	420.0	1.9	Ν		2	-		@1', color change to tan-li	gnt brown.
D	476.0	2	N		3	-		@2', abundant silt.	
D	532.0	1.4	Ν		4	_			
D	324.8	0.9	N		5	5			
D	364.6	1.1	Ν		6				
D	420	1	N	PH12	7		TD	Total depth @ 7' bgs.	
					, , , , , , , , , , , , , , , , , , , ,				

12								Sample Name: PH13	5/18/2022
				C				Site Name: Pecos Federal #001Y	-,,
			N	2		. U	IV	Incident Number: nAPP220884642	4 and nAB1431650115
								Job Number: 03A1987014	
	L	ITHOLO	OGIC	/ SOIL S	AMPLING	LOG		Logged By: GM	Method: Back-Hoe
Coord	inates: 32.0	0677,-10	3.966	5761				Hole Diameter: N/A	Total Depth: 7'
		-	-				•	D for chloride and vapor, respective	ly. Chloride test performed
with 1	:4 dilution f	factor of	soil to	o distilled v	vater. 40% c	tor includ	ed on chloride test.		
2							USCS/Rock Symbol	Lithologic Descriptions	
D	280	1.1	Ν	PH13	0.5		SP-SM	0-7', SAND, dry, brown, poo fine, trace subround-sul no odor, no staining.	rly graded with silt, bangular gravel,
D	280	1	Ν	PH13	1	1		@4', color change to light b	rown
D	1,512	4.8	Ν	PH13	2	ŧ.			
D	1,036	6	Ν		3	↓ - •		@6', color change to reddis	h-brown.
D	1,304.8	3.5	Ν		4	₽ - ₽			
D	800.8	2	Ν		5	5			
D	532	0.7	Ν		6	+-			
D	476	0.3	N	PH13	7 -		TD	Total depth @ 7' bgs.	
					· · · · · · · · · · · · · · · · · · ·				

								Sample Name: PH14	5/18/2022
								Site Name: Pecos Federal #001Y	-/
15			N	5		. U		Incident Number: nAPP22088464	24 and nAB1431650115
								Job Number: 03A1987014	
		LITHO	OGI		SAMPLING	GLOG		Logged By: CS	Method: Back-Hoe
Coordi	inates: 32			-				Hole Diameter: N/A	Total Depth: 1'
					ith HACH Ch	loride Test S	Strips and	PID for chloride and vapor, respect	
			-				•	factor included on chloride test.	
							~		
Moisture Content	Voisture Chloride Chl								
oist	Chlorid (ppm)	Vapor (ppm)	ain	ldu	Depth	(ft bgs)	SCS/Roc Symbol	Lithologic De	scriptions
žŭ	с <u>–</u>	> =	St	Sar	(ft bgs)	(10 060)	USC Sy		
D	<168	0	Ν	PH14	0.5	0	SW	0-7', SAND, dry, brown, wel	l graded, very fine-
					-	-		medium, trace subrour no odor, no staining.	nd-subangular gravel,
D	280	0.2	Ν	PH14	1	1	TD		
	-					Ē.		Total depth @ 1' bgs.	
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								Sample Name: PH15	5/18/2022
		-		6				Site Name: Pecos Federal #001Y	3,10,2022
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								Job Number: 03A1987014	
	L	ITHOLO	GIC	/ SOIL S	AMPLING	LOG		Logged By: CS	Method: Back-Hoe
Coord	inates: 32.0							Hole Diameter: N/A	Total Depth: 1'
					HACH Chlor	ide Test Stri	os and PIC) for chloride and vapor, respective	
		-						ed on chloride test.	- ,
Moisture Content								Lithologic De	scriptions
D	>3,466.4	0.7	N	PH15	0.5	0	SP	0-7', SAND, dry, brown, poo medium, trace subrour no odor, no staining.	orly graded, very fine- nd-subangular gravel,
D	1,512	7.7	Ν	PH15	1	1	TD	Total depth @ 1' bgs.	
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								Sample Name: PH16	5/18/2022
		-		6				Site Name: Pecos Federal #001Y	3/10/2022
				3	OL	. U		Incident Number: nAPP22088464	24 and nAB1431650115
								Job Number: 03A1987014	
	1	ITHOLO	GIC	/ SOIL S	AMPLING	LOG		Logged By: CS	Method: Back-Hoe
Coord	inates: 32.0							Hole Diameter: N/A	Total Depth: 1'
					HACH Chlor	ide Test Stri	ps and PIC) for chloride and vapor, respectiv	
		-						ed on chloride test.	- ,
Moisture Content								Lithologic De	escriptions
D	3,466.4	0.2	N	PH16	0.5	L 0	SP	0-7', SAND, dry, brown, poo medium, trace subrou no odor, no staining.	orly graded, very fine- nd-subangular gravel,
D	593.6	4.9	Ν	PH16	1	1	TD	Total depth @ 1' bgs.	
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								Sample Name: PH17	5/18/2022
				-				Site Name: Pecos Federal #001Y	3, 10, 2022
				3	OL	. U		Incident Number: nAPP22088464	24 and nAB1431650115
								Job Number: 03A1987014	
	1		GIC	/ SOIL S	AMPLING	LOG		Logged By: CS	Method: Back-Hoe
Coord	nates: 32.0							Hole Diameter: N/A	Total Depth: 1'
					HACH Chlor	ide Test Stri	ps and PIC	for chloride and vapor, respectiv	
								ed on chloride test.	-),
Moisture Content								Lithologic De	escriptions
D	<168	1.3	N	PH17	0.5	<u> 0 </u>	SP	0-7', SAND, dry, brown, po fine, trace subround-so no odor, no staining.	orly graded, very fine- ubangular gravel,
D	<168	4.9	N	PH17	1 -	1	TD	Total depth @ 1' bgs.	
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APPENDIX D

Photographic Log

Photographic Log

WPX Energy Permian, LLC. Pecos Federal #001Y Incident Numbers nAPP2208846424 and nAB1431650115 Ensolum Job Number: 03A1987014



E ENSOLUM

Photograph 1 Date: March 23, 2022 Description: Site Assessment Activities



Photograph 2 Date: March 23, 2022 Description: Site Assessment Activities







Photograph 4 Date: May 18, 2022 Description: Delineation Activities



WPX Energy Permian, LLC. Pecos Federal #001Y Incident Numbers nAPP2208846424 and nAB1431650115 Ensolum Job Number: 03A1987014



C ENSOLUM

 Photo fill mark Sold, Valge U, Li Val, Valge V, Kala Li Valge

 Photo fill mark Sold, Valge V, Valge V, Kala Li Valge

 Photo fill mark Sold, Valge V, Valge V, Kala Li Valge

 Photo fill mark Sold, Valge V, Valge V

Photograph 5 Date: May 18, 2022 Description: Delineation activities.

Photograph 6 Date: May 18, 2022 Description: Delineation activities.



Photograph 7 Date: May 19, 2022 Description: Surface Scrape activities



Photograph 8 Date: May 19, 2022 Description: Area after scrape



APPENDIX E

Tables

Released to Imaging: 9/20/2022 11:04:35 AM

ENSOLUM

TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS WPX Energy Permian, LLC - Pecos Federal #001Y Eddy County, New Mexico

Ensolum Project No. 03A1987014

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 0	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	100	600
				Delineation Soil Sa	ample Analytical Res	ults			
PH01	04/18/2022	0.5	<0.00200	<0.00399	<49.9	763	222	985	361
PH01	04/18/2022	1	<0.00199	<0.00398	51.7	1,470	241	1,760	288
PH01	04/18/2022	2	<0.00200	<0.00399	<50.0	786	221	1,010	258
PH01	04/18/2022	3	<0.00199	<0.00398	<50.0	2,990	554	3,540	779
PH01	05/18/2022	4	<0.00201	<0.00402	<49.9	230	<49.9	230	233
PH01	05/18/2022	7	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	116
PH02	04/18/2022	0.5	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	186
PH02	04/18/2022	1	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	156
PH02	04/18/2022	2	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	116
PH02	05/18/2022	6	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	594
PH02	05/18/2022	7	<0.00198	<0.00397	<49.8	<49.8	<49.8	<49.8	534
PH03	04/18/2022	0.5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	10.6
PH03	04/18/2022	1	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	6.41
PH04	04/18/2022	0.5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<4.97
PH04	04/18/2022	1	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<4.99
PH05	04/18/2022	0.5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	5.60
PH05	04/18/2022	1	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	15.5
PH06	04/18/2022	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	5.36
PH06	04/18/2022	1	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	7.50
PH07	04/18/2022	0.5	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	<4.95
PH07	04/18/2022	1	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<5.04
PH08	04/18/2022	0.5	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<5.00
PH08	04/18/2022	1	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	10.0

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ENSOLUM

TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS WPX Energy Permian, LLC - Pecos Federal #001Y Eddy County, New Mexico

Ensolum Project No. 03A1987014

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 0	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	100	600
PH09	04/18/2022	0.5	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	<4.97
PH09	04/18/2022	1	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	6.71
PH10	04/18/2022	0.5	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	21.2
PH10	04/18/2022	1	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	112
PH11	05/18/2022	0.5	<0.00200	<0.00200	<50.0	70.6	<50.0	70.6	537
PH11	05/18/2022	7	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	4,740
PH12	05/18/2022	0.5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	334
PH12	05/18/2022	1	<0.00198	<0.00397	<49.9	<49.9	<49.9	<49.9	382
PH12	05/18/2022	7	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	599
PH13	04/19/2022	0.5	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	313
PH13	04/19/2022	1	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	279
PH13	05/18/2022	2	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	1,460
PH13	05/18/2022	7	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	456
PH14	04/19/2022	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	93.3
PH14	04/19/2022	1	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	248
PH15	05/18/2022	0.5	<0.00200	<0.00399	<50.0	<50.0	67.9	67.9	8,780
PH15	05/18/2022	1	<0.00198	<0.00396	147	<49.9	<49.9	147	1,570
PH16	05/18/2022	0.5	<0.00198	<0.00397	144	<50.0	<50.0	144	7,560
PH16	05/18/2022	1	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	673

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ENSOLUM

TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS WPX Energy Permian, LLC - Pecos Federal #001Y Eddy County, New Mexico

Ensolum Project No. 03A1987014

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 0	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	100	600
PH17	05/18/2022	0.5	<0.00200	<0.00399	73.7	<49.9	<49.9	73.7	38.2
PH17	05/18/2022	1	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	37.1

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

Concentrations in **bold** exceed the NMOCD Table 1 Closure Criteria for Soils Impacted by a Release



APPENDIX F

Laboratory Analytical Reports & Chain-of-Custody Documentation Received by OCD: 6/20/2022 7:29:20 AM

LINKS

Review your project results through

EOL

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ANALYTICAL REPORT

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

Laboratory Job ID: 890-2204-1

Laboratory Sample Delivery Group: 03A198701 Client Project/Site: Pecos Fed 1Y Revision: 1

For:

Ensolum 705 W. Wadley Suite 210 Midland, Texas 79701

Attn: Joseph Hernandez

RAMER

Authorized for release by: 5/19/2022 2:00:02 PM

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

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

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

SDG: 03A198701

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Client: Ensolum Project/Site: Pecc

Qualifiers

GC Semi VOA Qualifier

GC VOA Qualifier

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Definitions/Glossary		1
um	Job ID: 890-2204-1	
Pecos Fed 1Y	SDG: 03A198701	
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Qualifier Description		
LCS and/or LCSD is outside acceptance limits, high biased.		
MS and/or MSD recovery exceeds control limits.		
MS/MSD RPD exceeds control limits		
Surrogate recovery exceeds control limits, low biased.		
Indicates the analyte was analyzed for but not detected.		
Α		
Qualifier Description		
MS/MSD RPD exceeds control limits		
Surrogate recovery exceeds control limits, high biased.		
Indicates the analyte was analyzed for but not detected.		
Qualifier Description		
Indicates the analyte was analyzed for but not detected.		
· · ·		
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		

Glossary

HPLC/IC Qualifier

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

Case Narrative

Job ID: 890-2204-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-2204-1

Receipt

The samples were received on 4/19/2022 1:33 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.0°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-24266 and analytical batch 880-24447 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

Method 8015MOD_NM: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 880-23828 and analytical batch 880-23813 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

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

HPLC/IC

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

Client: Ensolum Project/Site: Pecos Fed 1Y

Client Sample ID: PH07 Date Collected: 04/18/22 12:55 Date Received: 04/19/22 13:33

Sample Depth: 0.5

Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200		0.00200		mg/Kg	_	04/23/22 13:41		
Toluene	<0.00200		0.00200		mg/Kg		04/23/22 13:41		
Ethylbenzene	<0.00200		0.00200		mg/Kg		04/23/22 13:41		
m-Xylene & p-Xylene	<0.00401		0.00401		mg/Kg				
o-Xylene	<0.00200		0.00200		mg/Kg		04/23/22 13:41		
Xylenes, Total	<0.00401	U F2 F1	0.00401		mg/Kg		04/23/22 13:41	04/25/22 18:56	
Surrogate	%Recovery		Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	100		70 - 130				04/23/22 13:41	04/25/22 18:56	
1,4-Difluorobenzene (Surr)	96		70 - 130				04/23/22 13:41	04/25/22 18:56	-
Method: Total BTEX - Total BT									
Analyte		Qualifier	RL			<u>D</u>	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00401	U	0.00401		mg/Kg			04/26/22 10:02	
Method: 8015 NM - Diesel Ran									
Analyte	Result	Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fa
Total TPH	<49.9	U	49.9		mg/Kg	· _		04/21/22 10:45	<i>.</i>
Method: 8015B NM - Diesel Ra	ande Orece:	CS (DPO)	(GC)						
Method: 8015B NM - Diesel Ra Analyte		IICS (DRO) (∷Qualifier	(GC) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	- Result <49.9		49.9		mg/Kg	<u> </u>	04/20/22 11:30		DIIFac
(GRO)-C6-C10									
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/20/22 11:30	04/20/22 23:21	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/20/22 11:30	04/20/22 23:21	1
Surrogate	%Recovery		Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				04/20/22 11:30		1
o-Terphenyl	102	i -	70 - 130				04/20/22 11:30	04/20/22 23:21	1
Method: 300.0 - Anions, Ion C									
Analyte	Result	Qualifier	RL			D	Prepared	Analyzed	Dil Fac
Chloride	<4.95		4.95		mg/Kg			04/28/22 00:17	1
lient Sample ID: PH07							Lab Samp	le ID: 890-2	204-2
ate Collected: 04/18/22 13:00									x: Solid
ate Received: 04/19/22 13:33									2011
ample Depth: 1									
Method: 8021B - Volatile Orga		inds (GC)							
Method: 8021B - Volatile Orga Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200		0.00200		mg/Kg		04/23/22 13:41		1
Toluene	<0.00200		0.00200		mg/Kg		04/23/22 13:41		1
Ethylbenzene	<0.00200		0.00200		mg/Kg		04/23/22 13:41	04/25/22 19:23	1
n-Xylene & p-Xylene	<0.00399		0.00399		mg/Kg			04/25/22 19:23	1
					-			-	
o-Xylene	<0.00200	U	0.00200		mg/Kg			04/25/22 19:23	1

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Dil Fac

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Job ID: 890-2204-1 SDG: 03A198701

Lab Sample ID: 890-2204-1

Matrix: Solid

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Job ID: 890-2204-1 SDG: 03A198701

Lab Sample ID: 890-2204-2

Lab Sample ID: 890-2204-3

Matrix: Solid

Matrix: Solid

Date Received: 04/19/22 13:33 Sample Depth: 1

Project/Site: Pecos Fed 1Y

Client Sample ID: PH07

Date Collected: 04/18/22 13:00

Client: Ensolum

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

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	96		70 - 130				04/23/22 13:41	04/25/22 19:23	1
Method: Total BTEX - Tota	al BTEX Calcula	tion							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/26/22 10:02	1
Method: 8015 NM - Diese	I Range Organic	s (DRO) (0	SC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9		49.9		mg/Kg			04/21/22 10:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/20/22 11:30	04/20/22 23:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/20/22 11:30	04/20/22 23:42	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/20/22 11:30	04/20/22 23:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				04/20/22 11:30	04/20/22 23:42	1
o-Terphenyl	97		70 - 130				04/20/22 11:30	04/20/22 23:42	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.04 U	5.04	mg/Kg			04/28/22 00:23	1

Client Sample ID: PH08 Date Collected: 04/18/22 13:05 Date Received: 04/19/22 13:33

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00199	U	0.00199		mg/Kg		04/23/22 13:41	04/25/22 19:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/23/22 13:41	04/25/22 19:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/23/22 13:41	04/25/22 19:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/23/22 13:41	04/25/22 19:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/23/22 13:41	04/25/22 19:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/23/22 13:41	04/25/22 19:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				04/23/22 13:41	04/25/22 19:50	1
1,4-Difluorobenzene (Surr)	91		70 - 130				04/23/22 13:41	04/25/22 19:50	1
- Method: Total BTEX - Tota	I BTEX Calcula	tion							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/26/22 10:02	1
Method: 8015 NM - Diesel	Range Organic	s (DRO) (0	SC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
· · · · · · · · · · · · · · · · · · ·									

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Client: Ensolum

Project/Site: Pecos Fed 1Y

Client Sample ID: PH08 Date Collected: 04/18/22 13:05

Date Received: 04/19/22 13:33

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/20/22 11:30	04/21/22 00:02
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/20/22 11:30	04/21/22 00:02
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/20/22 11:30	04/21/22 00:02
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed
1-Chlorooctane	88		70 - 130				04/20/22 11:30	04/21/22 00:02
o-Terphenyl	97		70 - 130				04/20/22 11:30	04/21/22 00:02

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qu	alifier RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00 U	5.00	mg/Kg			04/28/22 00:29	1

Client Sample ID: PH08

Date Collected: 04/18/22 13:10 Date Received: 04/19/22 13:33 Sample Depth: 1

Method: 8021B - Volatile Orga	anic Compo	unds (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/23/22 13:41	04/25/22 20:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/23/22 13:41	04/25/22 20:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/23/22 13:41	04/25/22 20:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/23/22 13:41	04/25/22 20:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/23/22 13:41	04/25/22 20:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/23/22 13:41	04/25/22 20:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130				04/23/22 13:41	04/25/22 20:17	1
1,4-Difluorobenzene (Surr)	91		70 - 130				04/23/22 13:41	04/25/22 20:17	1
Analyte Total BTEX Method: 2015 NM Discol Pa	<0.00398		RL 0.00398	MDL	Unit mg/Kg	D	Prepared	Analyzed 04/26/22 10:02	Dil Fac 1
Method: 8015 NM - Diesel Ra				MDI	11		Durana ana d	A a la a d	
Analyte		Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	
Total TPH	<50.0	U						04/04/00 40 45	Dil Fac
		0	50.0		mg/Kg			04/21/22 10:45	Dil Fac
_ Method: 8015B NM - Diesel R	ange Organ				mg/Kg			04/21/22 10:45	Dil Fac
Method: 8015B NM - Diesel R Analyte				MDL	mg/Kg Unit	D	Prepared	04/21/22 10:45 Analyzed	Dil Fac 1 Dil Fac
		ics (DRO) Qualifier	(GC)	MDL	0 0	D	Prepared 04/20/22 11:30		1
Analyte Gasoline Range Organics	Result	ics (DRO) Qualifier U	(GC) RL	MDL	Unit	<u>D</u>		Analyzed	1

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1

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Dil Fac 1

1

1

Dil Fac 1 1

Job ID: 890-2204-1 SDG: 03A198701

Lab Sample ID: 890-2204-3 Matrix: Solid

5

Lab Sample ID: 890-2204-4 Matrix: Solid

Result 10.0 C Compou Result	uphy - Solu Qualifier unds (GC)	l <mark>bleRL</mark>	MDL	Unit mg/Kg	<u>D</u>	Prepared	Job ID: 890- SDG: 03A ² Ie ID: 890-2 Matrix <u>Analyzed</u> 04/28/22 00:36 Ie ID: 890-2	198701 204-4 :: Solid Dil Fac
Result 10.0 C Compou Result	Qualifier	RL	MDL		<u>D</u>	Prepared	Matrix Analyzed 04/28/22 00:36	Dil Fac
Result 10.0 C Compou Result	Qualifier	RL	MDL		<u>D</u>		04/28/22 00:36	1
c Compou Result	unds (GC)	5.01		mg/Kg		Lab Samp		
Result	unds (GC)					Lab Samp	le ID: 890-2	204-5
Result	unds (GC)						Matrix	: Solid
		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<0.00202		0.00202		mg/Kg		•	04/29/22 02:22	1
<0.00202		0.00202		mg/Kg			04/29/22 02:22	1
<0.00202		0.00202		mg/Kg				1
								1
		0.00403		mg/Kg				1
%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
103		70 - 130				04/26/22 15:48	04/29/22 02:22	1
98		70 - 130				04/26/22 15:48	04/29/22 02:22	1
			MDL		D	Prepared		Dil Fac
<0.00403	U	0.00403		mg/Kg			04/26/22 10:02	1
•			MDL	Unit	D	Prepared	Analyzed	Dil Fac
		49.9						1
		(GC) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<49.9	U	49.9		mg/Kg		04/20/22 11:30	04/21/22 00:43	1
		49.9		mg/Kg				1
				mg/Kg				1
	Qualifier	Limits				Prepared	Analyzed	Dil Fac
85		70 - 130						1
96		70 - 130				04/20/22 11:30	04/21/22 00:43	1
-	phy - Solu			11	~	Prepared		Dil Fac
D	Qualifier		MDL	Unit	D	uranarad	Analyzed	
	 <0.00403 <0.00202 <0.00403 	<0.00403	<0.00403		< 0.00403 U 0.00403 mg/Kg < 0.00202 U 0.00202 mg/Kg < 0.00403 U 0.00403 mg/Kg < 0.00403 98 $70 - 130$ < 0.00403 98 $70 - 130$ $< Calculation$ Result Qualifier RL < 0.00403 U 0.00403 mg/Kg < 0.00403 0.00403 mg/Kg	< 0.00403 U 0.00403 mg/Kg < 0.00202 U 0.00202 mg/Kg < 0.00403 U 0.00403 mg/Kg < 0.00403 < 0.00403 < 0.00403 < 0.00403 < 0.00403 < 0.00403 < 0.00403 < 0.00403 < 0.00403 $< Calculation$ $< Result$ < 0.00403 < 0.00403 < 0.00403 $ 0.00403$ $< Calculation$ $< RL$ MDL $Unit$ D < 0.00403 U 0.00403 $ 0.00403$ $ 0.00403$ $ 0.00403$ $Corganics (DRO) (GC)$ $Result$ $Qualifier$ RL MDL $Unit$ D qe $Organics (DRO) (GC)$ $Result$ $Qualifier$ RL MDL $Unit$ D qe $Qualifier$ RL MDL MDL Mg/Kg < 49.9 U 49.9	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$

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Client: Ensolum Project/Site: Pecos Fed 1Y

Client Sample ID: PH09 Date Collected: 04/18/22 13:25 Date Received: 04/19/22 13:33

Sample Depth: 1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199		0.00199		mg/Kg		04/29/22 09:06		
Toluene	<0.00199	U	0.00199		mg/Kg			04/29/22 17:19	
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/29/22 09:06	04/29/22 17:19	
n-Xylene & p-Xylene	<0.00398		0.00398		mg/Kg			04/29/22 17:19	
o-Xylene	< 0.00199		0.00199		mg/Kg			04/29/22 17:19	
Kylenes, Total	<0.00398		0.00398		mg/Kg			04/29/22 17:19	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	110		70 - 130				04/29/22 09:06	04/29/22 17:19	
1,4-Difluorobenzene (Surr)	94		70 - 130				04/29/22 09:06	04/29/22 17:19	
Method: Total BTEX - Total B							-		-
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00398	U	0.00398		mg/Kg	_		04/26/22 10:02	
Method: 8015 NM - Diesel Rai				•	11-11	-	Der	A	P
Analyte		Qualifier		MDL		D	Prepared	Analyzed	Dil Fa
īotal TPH	<49.9	U	49.9		mg/Kg			04/21/22 10:45	
Method: 8015B NM - Diesel R			• •				_	_	
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/20/22 11:30	04/21/22 01:25	
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/20/22 11:30	04/21/22 01:25	
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/20/22 11:30	04/21/22 01:25	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
I-Chlorooctane	85		70 - 130				04/20/22 11:30		
p-Terphenyl	97		70 - 130				04/20/22 11:30	04/21/22 01:25	ŝ
Method: 300.0 - Anions, Ion C	hromatogra						_		
	-				11	-	Bronarad		
Analyte Chloride	Result 6.71	Qualifier		MDL	mg/Kg	D	Prepared	Analyzed 04/28/22 01:01	Dil Fac

Job ID: 890-2204-1 SDG: 03A198701

Lab Sample ID: 890-2204-6

Matrix: Solid

5/19/2022 (Rev. 1)

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o-Xylene

Surrogate

Xylenes, Total

4-Bromofluorobenzene (Surr)

0.00200

0.00400

Limits

70 - 130

mg/Kg

mg/Kg

<0.00200 U

<0.00400 U

%Recovery Qualifier

107

1

1

1

Dil Fac

04/29/22 09:06 04/29/22 17:40

04/29/22 09:06 04/29/22 17:40

04/29/22 09:06 04/29/22 17:40

Analyzed

Prepared

5

5

Client Sample Results

Job ID: 890-2204-1 SDG: 03A198701

Lab Sample ID: 890-2204-7

Lab Sample ID: 890-2204-8

Matrix: Solid

Matrix: Solid

Date Collected: 04/18/22 13:35 Date Received: 04/19/22 13:33 Sample Depth: 0.5

Project/Site: Pecos Fed 1Y

Client Sample ID: PH10

Client: Ensolum

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

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	98		70 - 130				04/29/22 09:06	04/29/22 17:40	1
Method: Total BTEX - Tota	I BTEX Calcula	tion							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			04/26/22 10:02	1
Method: 8015 NM - Diesel	Range Organic	s (DRO) (0	SC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/21/22 10:45	1

Result Qualifier RL Dil Fac Analyte MDL Unit D Prepared Analyzed Gasoline Range Organics <50.0 U 50.0 04/20/22 11:30 04/21/22 01:45 mg/Kg 1 (GRO)-C6-C10 <50.0 U 50.0 04/20/22 11:30 04/21/22 01:45 **Diesel Range Organics (Over** mg/Kg 1 C10-C28) Oll Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 04/20/22 11:30 04/21/22 01:45 Dil Fac Surrogate %Recovery Qualifier Limits Prepared Analyzed 70 - 130 04/20/22 11:30 04/21/22 01:45 1-Chlorooctane 86 1 97 70 - 130 04/20/22 11:30 04/21/22 01:45 o-Terphenyl 1

Method: 300.0 - Anions, Ion Cl	hromatography - Solubl	le					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21.2	4.99	mg/Kg			04/28/22 01:07	1

Client Sample ID: PH10 Date Collected: 04/18/22 13:40

Date Received: 04/19/22 13:33 Sample Depth: 1

Method: 8021B - Volatile O	rganic Compo	unds (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/29/22 09:06	04/29/22 18:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/29/22 09:06	04/29/22 18:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/29/22 09:06	04/29/22 18:00	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/29/22 09:06	04/29/22 18:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/29/22 09:06	04/29/22 18:00	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/29/22 09:06	04/29/22 18:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				04/29/22 09:06	04/29/22 18:00	1
1,4-Difluorobenzene (Surr)	96		70 - 130				04/29/22 09:06	04/29/22 18:00	1
_ Method: Total BTEX - Total	BTEX Calcula	tion							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00399	U	0.00399		mg/Kg			04/26/22 10:02	1
_ Method: 8015 NM - Diesel I	Range Organic	s (DRO) (0	SC)						
Analyte	• •	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/21/22 10:45	1

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b ID: 890-2204-1

Released to Imaging: 9/20/2022 11:04:35 AM

Client: Ensolum Project/Site: Pecos Fed 1Y

Client Sample ID: PH10

Date Collected: 04/18/22 13:40 Date Received: 04/19/22 13:33

Sample Depth: 1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/20/22 11:30	04/21/22 02:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/20/22 11:30	04/21/22 02:06	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/20/22 11:30	04/21/22 02:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				04/20/22 11:30	04/21/22 02:06	1
o-Terphenyl	96		70 - 130				04/20/22 11:30	04/21/22 02:06	1

Method: 300.0 - Anions, Ion Cr	hromatograp	ny - Soluble						
Analyte	Result Q	Qualifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	112	5.00		mg/Kg			04/28/22 01:27	1

Client Sample ID: PH13 Date Collected: 04/19/22 08:55

Date Received: 04/19/22 13:33 Sample Depth: 0.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/29/22 09:06	04/29/22 18:20	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/29/22 09:06	04/29/22 18:20	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/29/22 09:06	04/29/22 18:20	1
m-Xylene & p-Xylene	< 0.00396	U	0.00396		mg/Kg		04/29/22 09:06	04/29/22 18:20	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/29/22 09:06	04/29/22 18:20	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/29/22 09:06	04/29/22 18:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				04/29/22 09:06	04/29/22 18:20	1
1,4-Difluorobenzene (Surr)	94		70 - 130				04/29/22 09:06	04/29/22 18:20	1
Method: 8015 NM - Diesel Rar	-				11.24	_	Burnard	A	D'I 5
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH									
	<50.0	U	50.0		mg/Kg			04/21/22 10:45	1
Method: 8015B NM - Diesel Ra	ange Organ	ics (DRO)	(GC)		0 0	_			1
Method: 8015B NM - Diesel Ra Analyte	ange Organ Result	i <mark>cs (DRO)</mark> Qualifier	(GC) RL	MDL	Unit	D	Prepared	Analyzed	1
Method: 8015B NM - Diesel Ra Analyte Gasoline Range Organics	ange Organ	i <mark>cs (DRO)</mark> Qualifier	(GC)	MDL	0 0	D	Prepared 04/20/22 11:30		1
Method: 8015B NM - Diesel Ra Analyte Gasoline Range Organics	ange Organ Result	ics (DRO) Qualifier U	(GC) RL	MDL	Unit	<u>D</u>	04/20/22 11:30	Analyzed	1 Dil Fac 1
Method: 8015B NM - Diesel Ra Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	ange Organ Result <50.0	ics (DRO) Qualifier U	(GC) 	MDL	Unit mg/Kg	D	04/20/22 11:30 04/20/22 11:30	Analyzed 04/21/22 02:26	1
Method: 8015B NM - Diesel Ra Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	ange Organ Result <50.0 <50.0	U Qualifier U U U	(GC) <u>RL</u> 50.0 50.0	MDL	Unit mg/Kg mg/Kg	<u>D</u>	04/20/22 11:30 04/20/22 11:30	Analyzed 04/21/22 02:26 04/21/22 02:26	1

04/20/22 11:30 04/21/22 02:26

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Lab Sample ID: 890-2204-8 Matrix: Solid

Lab Sample ID: 890-2204-9

Matrix: Solid

Released to Imaging: 9/20/2022 11:04:35 AM

o-Terphenyl

70 - 130

98

1

v		Client	Sample I	Resul	ts				, ,
Client: Ensolum Project/Site: Pecos Fed 1Y			_					Job ID: 890- SDG: 03A	
Client Sample ID: PH13 Date Collected: 04/19/22 08:55 Date Received: 04/19/22 13:33 Sample Depth: 0.5							Lab Samp	le ID: 890-2 Matrix	204-9 :: Solid
Method: 300.0 - Anions, Ion C Analyte		i <mark>phy - Solu</mark> Qualifier	ible RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	279		5.01		mg/Kg			04/28/22 01:33	1
Client Sample ID: PH13 Date Collected: 04/19/22 09:00 Date Received: 04/19/22 13:33 Sample Depth: 1						L	ab Sample.	e ID: 890-22 Matrix	2 04-10 (: Solid
Method: 8021B - Volatile Orga			51		11	_	Deserved	A	D 11 E
Analyte	<0.00200	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene			0.00200		mg/Kg		04/29/22 09:06	04/29/22 18:41 04/29/22 18:41	1
Toluene	< 0.00200		0.00200		mg/Kg				1
	<0.00200		0.00200		mg/Kg			04/29/22 18:41	1
m-Xylene & p-Xylene	<0.00401		0.00401		mg/Kg			04/29/22 18:41	1
o-Xylene	< 0.00200		0.00200		mg/Kg			04/29/22 18:41	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/29/22 09:06	04/29/22 18:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				04/29/22 09:06	04/29/22 18:41	1
1,4-Difluorobenzene (Surr)	94		70 - 130				04/29/22 09:06	04/29/22 18:41	1
Method: Total BTEX - Total B	TEX Calcula	tion							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			04/26/22 10:02	1
Method: 8015 NM - Diesel Rai	nge Organic	s (DRO) (0	SC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/21/22 10:45	1
Method: 8015B NM - Diesel R	ange Organ	ics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0		50.0		mg/Kg		·	04/21/22 02:47	1
(GRO)-C6-C10 Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		04/20/22 11:30	04/21/22 02:47	1
C10-C28) Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/20/22 11:30	04/21/22 02:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130					04/21/22 02:47	1
o-Terphenyl	100		70 - 130				04/20/22 11:30	04/21/22 02:47	1
_ Method: 300.0 - Anions, Ion C	hromatogra	iphy - Solu	ıble						
			-						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

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Client: Ensolum Project/Site: Pecos Fed 1Y

Client Sample ID: PH14 Date Collected: 04/19/22 08:25 Date Received: 04/19/22 13:33

Sample Depth: 0.5

Method: 8021B - Volatile Orgar Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00199	U *+	0.00199		mg/Kg		04/23/22 12:31		
Toluene	<0.00199	U *+	0.00199		mg/Kg		04/23/22 12:31	04/27/22 20:01	
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		04/23/22 12:31	04/27/22 20:01	
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		04/23/22 12:31	04/27/22 20:01	
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		04/23/22 12:31	04/27/22 20:01	
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		04/23/22 12:31	04/27/22 20:01	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	101		70 - 130					04/27/22 20:01	
1,4-Difluorobenzene (Surr)	104		70 - 130				04/23/22 12:31	04/27/22 20:01	
Method: Total BTEX - Total BTI	EX Calcula	tion							
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/28/22 11:55	
Method: 8015 NM - Diesel Rang	ge Organic	s (DRO) (G	C)						
Analyte	Result	Qualifier		MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<50.0	U	50.0		mg/Kg			04/21/22 09:38	
Method: 8015B NM - Diesel Ra	nge Organi	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/20/22 15:27	04/21/22 02:40	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/20/22 15:27	04/21/22 02:40	
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/20/22 15:27	04/21/22 02:40	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	117		70 - 130				04/20/22 15:27	04/21/22 02:40	
o-Terphenyl	142	S1+	70 - 130				04/20/22 15:27	04/21/22 02:40	
Method: 300.0 - Anions, Ion Ch	ıromatogra	phy - Solul	ble						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	93.3		4.99		mg/Kg			04/28/22 08:18	
Client Sample ID: PH14 ate Collected: 04/19/22 08:30 ate Received: 04/19/22 13:33 ample Depth: 1						L	_ab Sample	e ID: 890-22 Matrix	
		• • •							
Method: 8021B - Volatile Orgar Analyte		unds (GC) Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00201		0.00201		mg/Kg		04/23/22 12:31		
Toluene	<0.00201	-	0.00201		mg/Kg		04/23/22 12:31		
-0.0	0.00201	-			.99		01		

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Matrix: Solid

5

Analyzed

04/23/22 12:31 04/27/22 20:21

04/23/22 12:31 04/27/22 20:21

04/23/22 12:31 04/27/22 20:21

04/23/22 12:31 04/27/22 20:21

04/23/22 12:31 04/27/22 20:21

Prepared

Ethylbenzene

Xylenes, Total

o-Xylene

Surrogate

m-Xylene & p-Xylene

4-Bromofluorobenzene (Surr)

0.00201

0.00402

0.00201

0.00402

Limits

70 - 130

mg/Kg

mg/Kg

mg/Kg

mg/Kg

<0.00201 U*+

<0.00402 U*+

<0.00201 U*+

<0.00402 U*+

%Recovery Qualifier

103

5/19/2022 (Rev. 1)

1

1

1

1

1

Dil Fac

5

Client Sample Results

Job ID: 890-2204-1 SDG: 03A198701

Lab Sample ID: 890-2205-12

Matrix: Solid

Date Collected: 04/19/22 08:30 Date Received: 04/19/22 13:33 Sample Depth: 1

Project/Site: Pecos Fed 1Y

Client Sample ID: PH14

Client: Ensolum

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

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	105		70 - 130				04/23/22 12:31	04/27/22 20:21	1
Method: Total BTEX - Total B	TEX Calcula	tion							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/28/22 11:55	
Method: 8015 NM - Diesel Rar	nge Organic	s (DRO) (0	SC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/21/22 09:38	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/20/22 15:27	04/21/22 03:01	
Method: 8015B NM - Diesel Ra Analyte		ics (DRO) Qualifier	(<mark>GC)</mark> RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
(GRO)-C6-C10			10.0				0.4/00/00.45.07		
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		04/20/22 15:27	04/21/22 03:01	
C10-C28) Oll Range Organics (Over C28-C36)	<49.9	П	49.9		mg/Kg		04/20/22 15:27	04/21/22 03:01	
	40.0	0	40.0		ing/itg		04/20/22 10.21	04/21/22 00:01	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	120		70 - 130				04/20/22 15:27	04/21/22 03:01	
o-Terphenyl	148	S1+	70 - 130				04/20/22 15:27	04/21/22 03:01	
Method: 300.0 - Anions, Ion C	hromatogra	iphy - Solu	ble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	248		5.03		mg/Kg			04/28/22 08:25	-

Surrogate Summary

DFBZ1

94

98

96 94

94

104

105

96

98

99 97

100

98

88

89

96

97

Client: Ensolum Project/Site: Pecos Fed 1Y

890-2204-6

890-2204-7

890-2204-8

890-2204-9

890-2204-10

890-2205-11

890-2205-12

LCS 880-24102/1-A

LCS 880-24266/1-A

LCS 880-24473/1-A

LCSD 880-24102/2-A

LCSD 880-24266/2-A

LCSD 880-24473/2-A

MB 880-24100/5-A

MB 880-24102/5-A

MB 880-24266/5-A

MB 880-24473/5-A

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

PH09

PH10

PH10

PH13

PH13

PH14

PH14

Lab Control Sample

Lab Control Sample

Lab Control Sample

Method Blank

Method Blank

Method Blank

Method Blank

Lab Control Sample Dup

Lab Control Sample Dup

Lab Control Sample Dup

		5151	DIDEI
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-14226-A-1-A MS	Matrix Spike	105	101
880-14226-A-1-B MSD	Matrix Spike Duplicate	98	97
880-14236-A-1-D MS	Matrix Spike	108	98
880-14236-A-1-E MSD	Matrix Spike Duplicate	104	91
890-2204-1	PH07	100	96
890-2204-1 MS	PH07	20 S1-	20 S1-
890-2204-1 MSD	PH07	91	87
890-2204-2	PH07	95	96
890-2204-3	PH08	88	91
890-2204-4	PH08	83	91
890-2204-5	PH09	103	98

110

107

109

107

103

101

103

98

99

100

92

101

106

69 S1-

71

101

99

BFB1

Surrogate Legend BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Percent Surrogate Recovery (Acceptance Limits) 1001 OTPH1 (70-130) **Client Sample ID** (70-130) Lab Sample ID 890-2202-A-1-B MS 97 Matrix Spike 101 Matrix Spike Duplicate 92 890-2202-A-1-C MSD 95 PH07 890-2204-1 87 102 890-2204-2 PH07 86 97 PH08 97 890-2204-3 88 890-2204-4 PH08 87 97 890-2204-5 PH09 85 96 890-2204-6 PH09 85 97 890-2204-7 **PH10** 86 97 PH10 890-2204-8 86 96 890-2204-9 **PH13** 87 98

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Prep Type: Total/NA

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Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Client: Ensolum

Job ID: 890-2204-1 SDG: 03A198701

Project/Site: Pecos Fed 1Y Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued) Matrix: Solid

		1CO1	Percent Surrogate OTPH1	Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		
890-2204-10	PH13	88	100		C
890-2205-11	PH14	117	142 S1+		6
890-2205-12	PH14	120	148 S1+		0
Surrogate Legend					
1CO = 1-Chlorooctan	e				
OTPH = o-Terphenyl					8
Method: 8015B N	NM - Diesel Range O	rganics (DR	O) (GC)		
Matrix: Solid	-			Prep Type: Total/NA	9

Percent Surrogate Recovery (Acceptance Limits) 1CO2 OTPH2 (70-130) Lab Sample ID **Client Sample ID** (70-130) LCS 880-23828/2-A Lab Control Sample 99 117 LCSD 880-23828/3-A Lab Control Sample Dup 109 130 MB 880-23828/1-A Method Blank 85 102

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Prep Type: Total/NA

Eurofins Carlsbad

Prep Type: Total/NA Prep Batch: 24100

Client Sample ID: Method Blank

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 24102

Client: Ensolum Project/Site: Pecos Fed 1Y

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-24100/ Matrix: Solid Analysis Batch: 24112	5-A	
	MB	MB
Analyte	Result	Qualifier
Deverage	10 00000	

Analyte	Result	Qualifier	RL	MDL Unit	D Prepared	Analyzed	Dil Fac
Benzene	< 0.00200	U	0.00200	mg/Kg	04/23/22 12:32	04/25/22 02:37	1
Toluene	<0.00200	U	0.00200	mg/Kg	04/23/22 12:32	04/25/22 02:37	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg	04/23/22 12:32	04/25/22 02:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg	04/23/22 12:32	04/25/22 02:37	1
o-Xylene	<0.00200	U	0.00200	mg/Kg	04/23/22 12:32	04/25/22 02:37	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg	04/23/22 12:32	04/25/22 02:37	1
	MB	МВ					
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	69	S1-	70 - 130		04/23/22 12:32	04/25/22 02:37	1
1,4-Difluorobenzene (Surr)	88		70 - 130		04/23/22 12:32	04/25/22 02:37	1

Lab Sample ID: MB 880-24102/5-A Matrix: Solid Analysis Batch: 24112

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/23/22 13:41	04/25/22 18:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/23/22 13:41	04/25/22 18:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/23/22 13:41	04/25/22 18:29	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/23/22 13:41	04/25/22 18:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/23/22 13:41	04/25/22 18:29	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/23/22 13:41	04/25/22 18:29	1
	MB	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	71		70 - 130				04/23/22 13:41	04/25/22 18:29	1
1,4-Difluorobenzene (Surr)	89		70 - 130				04/23/22 13:41	04/25/22 18:29	1

Lab Sample ID: LCS 880-24102/1-A Matrix: Solid Analysis Batch: 24112

Analysis Batch: 24112							Prep Batch	: 24102
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1071		mg/Kg		107	70 - 130	
Toluene	0.100	0.1043		mg/Kg		104	70 - 130	
Ethylbenzene	0.100	0.1020		mg/Kg		102	70 - 130	
m-Xylene & p-Xylene	0.200	0.2047		mg/Kg		102	70 - 130	
o-Xylene	0.100	0.1063		mg/Kg		106	70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: LCSD 880-24102/2-A Matrix: Solid			C	Client Sa	mple	ID: Lab	Control Prep Ty		
Analysis Batch: 24112							Prep E		
-	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09340		mg/Kg		93	70 - 130	14	35

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Client: Ensolum Project/Site: Pecos Fed 1Y Job ID: 890-2204-1 SDG: 03A198701

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

Lab Sample ID: LCSD 880 Matrix: Solid		C	Client Sa	mple	ID: Lat	Control Sample Dup Prep Type: Total/NA					
Analysis Batch: 24112										Batch:	
-			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Toluene			0.100	0.08626		mg/Kg		86	70 - 130	19	35
Ethylbenzene			0.100	0.08799		mg/Kg		88	70 - 130	15	35
m-Xylene & p-Xylene			0.200	0.1726		mg/Kg		86	70 - 130	17	35
o-Xylene			0.100	0.09023		mg/Kg		90	70 - 130	16	35
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	92		70 - 130								
1,4-Difluorobenzene (Surr)	97		70 - 130								

Lab Sample ID: 890-2204-1 MS **Matrix: Solid** Analysis Batch: 24112

Analysis Batch: 24112									Prep Batch: 24102
	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	<0.00200	U F2 F1	0.0998	0.02558	F1	mg/Kg		26	70 - 130
Toluene	<0.00200	U F2 F1	0.0998	0.02244	F1	mg/Kg		22	70 - 130
Ethylbenzene	<0.00200	U F2 F1	0.0998	0.01998	F1	mg/Kg		20	70 - 130
m-Xylene & p-Xylene	<0.00401	U F2 F1	0.200	0.04040	F1	mg/Kg		20	70 - 130
o-Xylene	<0.00200	U F2 F1	0.0998	0.01752	F1	mg/Kg		18	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	20	S1-	70 - 130
1,4-Difluorobenzene (Surr)	20	S1-	70 - 130

Lab Sample ID: 890-2204-1 MSD Matrix: Solid **Analysis Batch: 24112**

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U F2 F1	0.0996	0.03775	F2 F1	mg/Kg		38	70 - 130	38	35
Toluene	<0.00200	U F2 F1	0.0996	0.03415	F2 F1	mg/Kg		34	70 - 130	41	35
Ethylbenzene	<0.00200	U F2 F1	0.0996	0.03468	F2 F1	mg/Kg		35	70 - 130	54	35
m-Xylene & p-Xylene	<0.00401	U F2 F1	0.199	0.07556	F2 F1	mg/Kg		38	70 - 130	61	35
o-Xylene	<0.00200	U F2 F1	0.0996	0.04149	F2 F1	mg/Kg		42	70 - 130	81	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	87		70 - 130

Lab Sample ID: MB 880-24266/5-A Matrix: Solid Analysis Batch: 24447

MB MB MDL Unit Analyte **Result Qualifier** RL D Prepared Analyzed Dil Fac <0.00200 U 0.00200 04/26/22 15:48 04/28/22 22:50 Benzene mg/Kg 1 04/26/22 15:48 04/28/22 22:50 Toluene <0.00200 U 0.00200 mg/Kg 1 Ethylbenzene <0.00200 U 0.00200 mg/Kg 04/26/22 15:48 04/28/22 22:50 1 m-Xylene & p-Xylene <0.00400 U 0.00400 mg/Kg 04/26/22 15:48 04/28/22 22:50 1

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7

Client Sample ID: PH07 Prep Type: Total/NA Prep Batch: 24102

Client Sample ID: PH07

Prep Type: Total/NA

Prep Batch: 24266

Prep Type: Total/NA

Client Sample ID: Method Blank

Client: Ensolum Project/Site: Pecos Fed 1Y

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

Lab Sample ID: MB 880-24 Matrix: Solid	266/5-A							Clie	ent Samp	ole ID: Method Prep Type: To	otal/NA
Analysis Batch: 24447										Prep Batch	: 24266
	MB	MB	_				-				
Analyte		Qualifier			MDL U				repared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.002	00	rr	ng/Kg		04/2	26/22 15:48	04/28/22 22:50	1
Xylenes, Total	<0.00400	U	0.004	00	r	ng/Kg		04/2	26/22 15:48	04/28/22 22:50	1
	MB	МВ									
Surrogate	%Recovery	Qualifier	Limits					F	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 13	2				04/2	26/22 15:48	04/28/22 22:50	1
1,4-Difluorobenzene (Surr)	96		70 - 130	2				04/2	26/22 15:48	04/28/22 22:50	1
Lab Sample ID: LCS 880-24	4266/1-A						Clie	nt Sa	mple ID:	Lab Control S	Sample
Matrix: Solid							_			Prep Type: To	
Analysis Batch: 24447										Prep Batch	
			Spike	LCS	LCS					%Rec	
Analyte			Added	Result	Qualif	ier	Unit	D	%Rec	Limits	
Benzene			0.100	0.08488			mg/Kg		85	70 - 130	
Toluene			0.100	0.08669			mg/Kg		87	70 - 130	
Ethylbenzene			0.100	0.08850			mg/Kg		88	70 - 130	
m-Xylene & p-Xylene			0.200	0.1841			mg/Kg		92	70 - 130	

0.1000

mg/Kg

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: LCSD 880-24266/2-A Matrix: Solid Analysis Batch: 24447

o-Xylene

Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA Prep Batch: 24266

100

70 - 130

Client Sample ID: Matrix Spike

Prep Type: Total/NA

							перь		
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.07528		mg/Kg		75	70 - 130	12	35
Toluene	0.100	0.07426		mg/Kg		74	70 - 130	15	35
Ethylbenzene	0.100	0.07590		mg/Kg		76	70 - 130	15	35
m-Xylene & p-Xylene	0.200	0.1578		mg/Kg		79	70 - 130	15	35
o-Xylene	0.100	0.08448		mg/Kg		84	70 - 130	17	35
	יפח								

0.100

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

Lab Sample ID: 880-14226-A-1-A MS Matrix: Solid Analysis Batch: 24447

Analysis Batch: 24447									Prep I	Batch: 24266
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00199	U F1	0.0998	0.08489		mg/Kg		85	70 - 130	
Toluene	<0.00199	U F1	0.0998	0.08443		mg/Kg		84	70 - 130	
Ethylbenzene	<0.00199	U F1	0.0998	0.08669		mg/Kg		86	70 - 130	
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.1803		mg/Kg		90	70 - 130	
o-Xylene	<0.00199	U F1	0.0998	0.09714		mg/Kg		97	70 - 130	

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Job ID: 890-2204-1

SDG: 03A198701

Client: Ensolum Project/Site: Pecos Fed 1Y

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

Lab Sample ID: 880-14226-A-1-A MS **Matrix: Solid** Analysis Batch: 24447

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-14226-A-1-B MSD Matrix: Solid Analysis Ratch: 24447

Analysis Batch: 24447									Prep E	atch: 2	4266
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00199	U F1	0.0990	<0.00198	U F1	mg/Kg		0	70 - 130	NC	35
Toluene	<0.00199	U F1	0.0990	<0.00198	U F1	mg/Kg		0	70 - 130	NC	35
Ethylbenzene	<0.00199	U F1	0.0990	<0.00198	U F1	mg/Kg		0	70 - 130	NC	35
m-Xylene & p-Xylene	<0.00398	U F1	0.198	<0.00396	U F1	mg/Kg		0	70 - 130	NC	35
o-Xylene	<0.00199	U F1	0.0990	<0.00198	U F1	mg/Kg		0	70 - 130	NC	35
	MSD	MSD									

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

MB MB

100

Lab Sample ID: MB 880-24473/5-A **Matrix: Solid** Analysis Batch: 24450

Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<0.00200	U	0.00200		mg/Kg		04/29/22 09:06	04/29/22 11:56	1
<0.00200	U	0.00200		mg/Kg		04/29/22 09:06	04/29/22 11:56	1
<0.00200	U	0.00200		mg/Kg		04/29/22 09:06	04/29/22 11:56	1
<0.00400	U	0.00400		mg/Kg		04/29/22 09:06	04/29/22 11:56	1
<0.00200	U	0.00200		mg/Kg		04/29/22 09:06	04/29/22 11:56	1
<0.00400	U	0.00400		mg/Kg		04/29/22 09:06	04/29/22 11:56	1
MB	МВ							
%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
99		70 - 130				04/29/22 09:06	04/29/22 11:56	1
97		70 - 130				04/29/22 09:06	04/29/22 11:56	1
	Result <0.00200	%Recovery Qualifier 99	Result Qualifier RL <0.00200	Result Qualifier RL MDL <0.00200	Result Qualifier RL MDL Unit <0.00200	Result Qualifier RL MDL Unit D <0.00200	Result Qualifier RL MDL Unit D Prepared <0.00200	$\begin{array}{c c c c c c c c c c c c c c c c c c c $

Lab Sample ID: LCS 880-24473/1-A Matrix: Solid Analysis Batch: 24450

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

Prep Batch: 24473

-			Spike	LCS	LCS				%Rec	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene			0.100	0.08917		mg/Kg		89	70 - 130	
Toluene			0.100	0.08875		mg/Kg		89	70 - 130	
Ethylbenzene			0.100	0.09220		mg/Kg		92	70 - 130	
m-Xylene & p-Xylene			0.200	0.1923		mg/Kg		96	70 - 130	
o-Xylene			0.100	0.1035		mg/Kg		103	70 - 130	
	1.00	LCS								
	L03	LU3								
Surrogate	%Recovery	Qualifier	Limits							

4-Bromofluorobenzene ((Surr)

Client Sample ID: Matrix Spike Prep Type: Total/NA Prep Batch: 24266

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Client Sample ID: Method Blank Prep Type: Total/NA Prep Batch: 24473

Client Sample ID: Matrix Spike Duplicate

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70 - 130

Job ID: 890-2204-1 SDG: 03A198701

Prep Type: Total/NA

n Datahu

Lab Sample ID: LCS 880-24473/1-A

QC Sample Results

Client: Ensolum

Project/Site: Pecos Fed 1Y

Analysis Batch: 24450

Matrix: Solid

Surrogate

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

LCS LCS %Recovery Qualifier

	Job ID: 890-2204-1 SDG: 03A198701
Client Sample ID:	: Lab Control Sample Prep Type: Total/NA Prep Batch: 24473

1,4-Difluorobenzene (Surr) 99 Lab Sample ID: LCSD 880-24473/2-A **Matrix: Solid** Analysis Batch: 24450

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 24473

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09182		mg/Kg		92	70 - 130	3	35
Toluene	0.100	0.09758		mg/Kg		98	70 - 130	9	35
Ethylbenzene	0.100	0.1017		mg/Kg		102	70 - 130	10	35
m-Xylene & p-Xylene	0.200	0.2142		mg/Kg		107	70 - 130	11	35
o-Xylene	0.100	0.1167		mg/Kg		117	70 - 130	12	35

Limits

70 - 130

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-14236-A-1-D MS Matrix: Solid Analysis Batch: 24450

Analysis Batch: 24450									Prep B	atch: 24473
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U	0.0998	0.07828		mg/Kg		78	70 - 130	
Toluene	<0.00200	U	0.0998	0.08213		mg/Kg		82	70 - 130	
Ethylbenzene	<0.00200	U	0.0998	0.08533		mg/Kg		84	70 - 130	
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1784		mg/Kg		89	70 - 130	
o-Xylene	<0.00200	U	0.0998	0.09675		mg/Kg		97	70 - 130	
	MS	MS								

	11/3	11/13	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-14236-A-1-E MSD Matrix: Solid Analysis Batch: 24450

Allalysis Datch. 24450									Fieh E	alcii. 4	4473
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U	0.0996	0.07066		mg/Kg		71	70 - 130	10	35
Toluene	<0.00200	U	0.0996	0.07891		mg/Kg		79	70 - 130	4	35
Ethylbenzene	<0.00200	U	0.0996	0.08422		mg/Kg		83	70 - 130	1	35
m-Xylene & p-Xylene	<0.00401	U	0.199	0.1778		mg/Kg		89	70 - 130	0	35
o-Xylene	<0.00200	U	0.0996	0.09628		mg/Kg		97	70 - 130	0	35
	Med	Men									

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

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

Prep	Batch:	24473
0/ Dee		

Client Sample ID: Matrix Spike

Prep Type: Total/NA

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QC Sample Results

Client: Ensolum Project/Site: Pecos Fed 1Y

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

Lab Sample ID: MB 880-238 Matrix: Solid	328/1-A										Clie	ent Samp	ole ID: M Prep Ty		
Analysis Batch: 23813													Prep E	atch:	23828
		MB	MB												
Analyte			Qualifier	F	RL	I	MDL	Unit		D	Pi	repared	Analyz	ed	Dil Fac
Gasoline Range Organics	<	50.0	U	50	0.0			mg/K	g	_	04/2	0/22 11:30	04/20/22	19:51	1
(GRO)-C6-C10 Diesel Range Organics (Over	<	50.0	U	50	0.0			mg/K	g		04/2	0/22 11:30	04/20/22	19:51	1
C10-C28) Oll Range Organics (Over C28-C36)	<	50.0	U	50	0.0			mg/K	9		04/2	0/22 11:30	04/20/22	19:51	1
	~~-	MB	MB								_				
Surrogate	%Reco	-	Qualifier	Limits								repared	Analyz		Dil Fac
1-Chlorooctane		85		70 - 13								0/22 11:30			1
o-Terphenyl		102		70 - 13	0						04/2	0/22 11:30	04/20/22	19:51	1
Lab Sample ID: LCS 880-23 Matrix: Solid Analysis Batch: 23813	828/2-A								Clie	ent	Sar	nple ID:	Lab Cor Prep Ty Prep E	pe: To	tal/NA
Analysis Baten. 20010				Spike		LCS	1.05						%Rec	aton.	20020
Analyte				Added		Result			Unit		D	%Rec	Limits		
Gasoline Range Organics				1000		1052			mg/Kg			105	70 - 130		
(GRO)-C6-C10 Diesel Range Organics (Over				1000		909.6			mg/Kg			91	70 - 130		
C10-C28)				1000		000.0			g/itg			01	101100		
	LCS	LCS	5												
Surrogate	%Recovery	Qua	lifier	Limits											
1-Chlorooctane	99			70 - 130											
o-Terphenyl	117			70 - 130											
Lab Sample ID: LCSD 880-2 Matrix: Solid Analysis Batch: 23813	23828/3-A							C	lient S	am	ple	ID: Lab	Control Prep Ty Prep E	pe: To	otal/NA
-				Spike		LCSD	LCS	D					%Rec		RPD
Analyte				Added		Result	Qua	lifier	Unit		D	%Rec	Limits	RPD	Limit
Gasoline Range Organics				1000		1088			mg/Kg			109	70 - 130	3	20
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28)				1000		946.2			mg/Kg			95	70 - 130	4	20
,	LCSD	LCS	SD												
Surrogate	%Recovery	Qua	lifier	Limits											
1-Chlorooctane	109			70 - 130											
o-Terphenyl	130			70 - 130											
Lab Sample ID: 890-2202-A Matrix: Solid Analysis Batch: 23813	-1-B MS										CI	ient San	Prep Ty	pe: To	
-	Sample	San	nple	Spike		MS	MS						%Rec		-
Analyte	Result			Added		Result	Qua	lifier	Unit		D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	148			1000		1329			mg/Kg			118	70 - 130		
Diesel Range Organics (Over C10-C28)	3210			1000		4394			mg/Kg			119	70 - 130		

Job ID: 890-2204-1

SDG: 03A198701

Released to Imaging: 9/20/2022 11:04:35 AM

QC Sample Results

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

Prep Type: Total/NA

Prep Batch: 23828

Client Sample ID: Matrix Spike

Client Sample ID: Matrix Spike Duplicate

Lab Sample ID: 890-2202-A-1-B MS **Matrix: Solid** Analysis Batch: 23813

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	97		70 - 130

Lab Sample ID: 890-2202-A-1-C MSD Matrix: Solid

Matrix: Solid Analysis Batch: 23813							Ľ.		Prep Ty Prep E	pe: Tot Batch: 2	
	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	148	F2	998	930.3	F2	mg/Kg		78	70 - 130	35	20
Diesel Range Organics (Over C10-C28)	3210		998	4174		mg/Kg		97	70 - 130	5	20
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	95		70 - 130								
o-Terphenyl	92		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-23841/1-A Matrix: Solid								С	lie	nt Sam	ple ID: N		Blank Soluble
Analysis Batch: 24343											Flep	rype. 3	oluble
Analysis Datch. 24040	MB	МВ											
Analyte		Qualifier		RL	мрі	Unit		D	Pr	epared	Analy	vzed	Dil Fac
Chloride	<5.00			5.00		mg/K	g			opulou	04/27/22	·	1
_ Lab Sample ID: LCS 880-23841/2-A							CII	ont S	20		: Lab Co	ntrol S	amplo
Matrix: Solid									an				oluble
Analysis Batch: 24343													
			Spike	LC	S LCS	5					%Rec		
Analyte			Added	Resu	lt Qua	lifier	Unit		D	%Rec	Limits		
Chloride			250	233	9		mg/Kg		_	94	90 - 110		
-													
Lab Sample ID: LCSD 880-23841/3	A					c	lient S	amp	le	ID: Lab	o Control	Samp	le Dup
<u> </u>	A					C	lient S	amp	le	ID: Lab			
Lab Sample ID: LCSD 880-23841/3 Matrix: Solid	A					C	lient S	amp	le	ID: Lab			le Dup oluble
_ Lab Sample ID: LCSD 880-23841/3	A		Spike	LCS	D LCS		lient S	amp	le	ID: Lab			
Lab Sample ID: LCSD 880-23841/3 Matrix: Solid	A		Spike Added	-	D LCS	D	Unit		le D	ID: Lab %Rec	Prep 1		oluble RPD
Lab Sample ID: LCSD 880-23841/3 Matrix: Solid Analysis Batch: 24343	A 		•	-	lt Qua	D					Prep 1 %Rec	Type: S	RPD Limit
Lab Sample ID: LCSD 880-23841/3 Matrix: Solid Analysis Batch: 24343 Analyte Chloride	A 		Added	Resu	lt Qua	D	Unit			%Rec 99	Prep %Rec Limits 90 - 110	Type: S	RPD Limit 20
Lab Sample ID: LCSD 880-23841/3 Matrix: Solid Analysis Batch: 24343 Analyte Chloride Lab Sample ID: 890-2204-5 MS	A 		Added	Resu	lt Qua	D	Unit			%Rec 99	Prep 7 %Rec Limits 90 - 110	Type: S	RPD Limit 20 : PH09
Lab Sample ID: LCSD 880-23841/3 Matrix: Solid Analysis Batch: 24343 Analyte Chloride Lab Sample ID: 890-2204-5 MS Matrix: Solid	A 		Added	Resu	lt Qua	D	Unit			%Rec 99	Prep 7 %Rec Limits 90 - 110	Type: S	RPD Limit 20
Lab Sample ID: LCSD 880-23841/3 Matrix: Solid Analysis Batch: 24343 Analyte Chloride Lab Sample ID: 890-2204-5 MS Matrix: Solid Analysis Batch: 24343	A 		Added	Resu 248	lt Qua	D	Unit			%Rec 99	Prep 7 %Rec Limits 90 - 110	Type: S	RPD Limit 20 : PH09
Lab Sample ID: LCSD 880-23841/3 Matrix: Solid Analysis Batch: 24343 Analyte Chloride Lab Sample ID: 890-2204-5 MS Matrix: Solid Analysis Batch: 24343		•	Added 250	Resu 248	It Qua	SD Ilifier	Unit	!		%Rec 99	Prep 7 %Rec Limits 90 - 110 ient San Prep 7	Type: S	RPD Limit 20 : PH09

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Client: Ensolum Project/Site: Pecos Fed 1Y Job ID: 890-2204-1 SDG: 03A198701

Method: 300.0 - Anions, Ion Chromatography (Continued)

_ab Sample ID: 890-2204-5 Matrix: Solid Analysis Batch: 24343	5 MSD							CI	lient Sam Prep Ty			
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte		Qualifier	Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limit	E
hloride	<4.97	U	249	224.8		mg/Kg		90	90 - 110	7	20	
												j

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Client: Ensolum Project/Site: Pecos Fed 1Y

GC VOA

Prep Batch: 24099

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2205-11	PH14	Total/NA	Solid	5035	
890-2205-12	PH14	Total/NA	Solid	5035	
rep Batch: 24100					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-24100/5-A	Method Blank	Total/NA	Solid	5035	
rep Batch: 24102					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2204-1	PH07	Total/NA	Solid	5035	
890-2204-2	PH07	Total/NA	Solid	5035	
890-2204-3	PH08	Total/NA	Solid	5035	
890-2204-4	PH08	Total/NA	Solid	5035	
MB 880-24102/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-24102/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-24102/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2204-1 MS	PH07	Total/NA	Solid	5035	
890-2204-1 MSD	PH07	Total/NA	Solid	5035	
nalysis Batch: 2411	12				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2204-1	PH07	Total/NA	Solid	8021B	24102
890-2204-2	PH07	Total/NA	Solid	8021B	24102
890-2204-3	PH08	Total/NA	Solid	8021B	24102
890-2204-4	PH08	Total/NA	Solid	8021B	24102
MB 880-24100/5-A	Method Blank	Total/NA	Solid	8021B	24100
MB 880-24102/5-A	Method Blank	Total/NA	Solid	8021B	24102
LCS 880-24102/1-A	Lab Control Sample	Total/NA	Solid	8021B	24102
LCSD 880-24102/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	24102
890-2204-1 MS	PH07	Total/NA	Solid	8021B	24102
890-2204-1 MSD	PH07	Total/NA	Solid	8021B	24102

Analysis Batch: 24248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2204-1	PH07	Total/NA	Solid	Total BTEX	
890-2204-2	PH07	Total/NA	Solid	Total BTEX	
890-2204-3	PH08	Total/NA	Solid	Total BTEX	
890-2204-4	PH08	Total/NA	Solid	Total BTEX	
890-2204-5	PH09	Total/NA	Solid	Total BTEX	
890-2204-6	PH09	Total/NA	Solid	Total BTEX	
890-2204-7	PH10	Total/NA	Solid	Total BTEX	
890-2204-8	PH10	Total/NA	Solid	Total BTEX	
890-2204-9	PH13	Total/NA	Solid	Total BTEX	
890-2204-10	PH13	Total/NA	Solid	Total BTEX	

Prep Batch: 24266

La	b Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
89	0-2204-5	PH09	Total/NA	Solid	5035	
ME	3 880-24266/5-A	Method Blank	Total/NA	Solid	5035	
LC	S 880-24266/1-A	Lab Control Sample	Total/NA	Solid	5035	
LC	SD 880-24266/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

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Job ID: 890-2204-1 SDG: 03A198701

Client: Ensolum Project/Site: Pecos Fed 1Y

GC VOA (Continued)

Prep Batch: 24266 (Continued)

ample ID	Prep Type	Matrix	Method	Prep Batch
pike	Total/NA	Solid	5035	
pike Duplicate	Total/NA	Solid	5035	
	pike	pike Total/NA	oike Total/NA Solid	pike Total/NA Solid 5035

Ana	lysis	Batch:	24304	
-----	-------	--------	-------	--

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2205-11	PH14	Total/NA	Solid	8021B	24099
890-2205-12	PH14	Total/NA	Solid	8021B	24099
Analysia Batahy 2	4426				

Analysis Batch: 24426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2205-11	PH14	Total/NA	Solid	Total BTEX	
890-2205-12	PH14	Total/NA	Solid	Total BTEX	

Analysis Batch: 24447

890-2205-12	PH14	TOTAI/INA	50lla	0021B	24099	_
Analysis Batch: 2442	6					8
Lab Sample ID 890-2205-11	Client Sample ID	Prep Type Total/NA	Matrix Solid	Method Total BTEX	Prep Batch	9
890-2205-12	PH14	Total/NA	Solid	Total BTEX		10
Analysis Batch: 2444	7					11
Leh Commis ID	Client Comple ID	Dren Turne	Motely	Mathad	Dren Batak	
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	
890-2204-5	PH09	Total/NA	Solid	8021B	24266	12
	•	Total/NA Total/NA			· · · · · · · · · · · · · · · · · · ·	12
890-2204-5	PH09	Total/NA	Solid	8021B	24266	12
890-2204-5 MB 880-24266/5-A	PH09 Method Blank	Total/NA Total/NA	Solid Solid	8021B 8021B	24266 24266	12 13
890-2204-5 MB 880-24266/5-A LCS 880-24266/1-A	PH09 Method Blank Lab Control Sample	Total/NA Total/NA Total/NA	Solid Solid Solid	8021B 8021B 8021B	24266 24266 24266	12 13

Analysis Batch: 24450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2204-6	PH09	Total/NA	Solid	8021B	24473
890-2204-7	PH10	Total/NA	Solid	8021B	24473
890-2204-8	PH10	Total/NA	Solid	8021B	24473
890-2204-9	PH13	Total/NA	Solid	8021B	24473
890-2204-10	PH13	Total/NA	Solid	8021B	24473
MB 880-24473/5-A	Method Blank	Total/NA	Solid	8021B	24473
LCS 880-24473/1-A	Lab Control Sample	Total/NA	Solid	8021B	24473
LCSD 880-24473/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	24473
880-14236-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	24473
880-14236-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	24473

Prep Batch: 24473

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2204-6	PH09	Total/NA	Solid	5035	
890-2204-7	PH10	Total/NA	Solid	5035	
890-2204-8	PH10	Total/NA	Solid	5035	
890-2204-9	PH13	Total/NA	Solid	5035	
890-2204-10	PH13	Total/NA	Solid	5035	
MB 880-24473/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-24473/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-24473/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-14236-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
880-14236-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

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Job ID: 890-2204-1 SDG: 03A198701

Client: Ensolum Project/Site: Pecos Fed 1Y

GC Semi VOA

Analysis Batch: 23813

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-2204-1	PH07	Total/NA	Solid	8015B NM	23828
890-2204-2	PH07	Total/NA	Solid	8015B NM	23828
890-2204-3	PH08	Total/NA	Solid	8015B NM	23828
890-2204-4	PH08	Total/NA	Solid	8015B NM	23828
890-2204-5	PH09	Total/NA	Solid	8015B NM	23828
890-2204-6	PH09	Total/NA	Solid	8015B NM	23828
890-2204-7	PH10	Total/NA	Solid	8015B NM	23828
890-2204-8	PH10	Total/NA	Solid	8015B NM	23828
890-2204-9	PH13	Total/NA	Solid	8015B NM	23828
890-2204-10	PH13	Total/NA	Solid	8015B NM	23828
MB 880-23828/1-A	Method Blank	Total/NA	Solid	8015B NM	23828
LCS 880-23828/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	23828
LCSD 880-23828/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	23828
890-2202-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	23828
890-2202-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	23828
Analysis Batch: 238	17				
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-2205-11	PH14	Total/NA	Solid	8015B NM	23857

Total/NA

Solid

Prep Batch: 23828

PH14

890-2205-12

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2204-1	PH07	Total/NA	Solid	8015NM Prep	
890-2204-2	PH07	Total/NA	Solid	8015NM Prep	
890-2204-3	PH08	Total/NA	Solid	8015NM Prep	
890-2204-4	PH08	Total/NA	Solid	8015NM Prep	
890-2204-5	PH09	Total/NA	Solid	8015NM Prep	
890-2204-6	PH09	Total/NA	Solid	8015NM Prep	
890-2204-7	PH10	Total/NA	Solid	8015NM Prep	
890-2204-8	PH10	Total/NA	Solid	8015NM Prep	
890-2204-9	PH13	Total/NA	Solid	8015NM Prep	
890-2204-10	PH13	Total/NA	Solid	8015NM Prep	
MB 880-23828/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-23828/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-23828/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2202-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2202-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	
Prep Batch: 23857					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2205-11	PH14	Total/NA	Solid	8015NM Prep	
890-2205-12	PH14	Total/NA	Solid	8015NM Prep	

Analysis Batch: 23902

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2205-11	PH14	Total/NA	Solid	8015 NM	
890-2205-12	PH14	Total/NA	Solid	8015 NM	

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23857

Job ID: 890-2204-1 SDG: 03A198701

8015B NM

Client: Ensolum Project/Site: Pecos Fed 1Y

GC Semi VOA

Analysis Batch: 23931

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2204-1	PH07	Total/NA	Solid	8015 NM	
890-2204-2	PH07	Total/NA	Solid	8015 NM	
890-2204-3	PH08	Total/NA	Solid	8015 NM	
890-2204-4	PH08	Total/NA	Solid	8015 NM	
890-2204-5	PH09	Total/NA	Solid	8015 NM	
890-2204-6	PH09	Total/NA	Solid	8015 NM	
890-2204-7	PH10	Total/NA	Solid	8015 NM	
890-2204-8	PH10	Total/NA	Solid	8015 NM	
890-2204-9	PH13	Total/NA	Solid	8015 NM	
890-2204-10	PH13	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 23841

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2204-1	PH07	Soluble	Solid	DI Leach	
890-2204-2	PH07	Soluble	Solid	DI Leach	
890-2204-3	PH08	Soluble	Solid	DI Leach	
890-2204-4	PH08	Soluble	Solid	DI Leach	
890-2204-5	PH09	Soluble	Solid	DI Leach	
890-2204-6	PH09	Soluble	Solid	DI Leach	
890-2204-7	PH10	Soluble	Solid	DI Leach	
890-2204-8	PH10	Soluble	Solid	DI Leach	
890-2204-9	PH13	Soluble	Solid	DI Leach	
890-2204-10	PH13	Soluble	Solid	DI Leach	
MB 880-23841/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-23841/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-23841/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2204-5 MS	PH09	Soluble	Solid	DI Leach	
890-2204-5 MSD	PH09	Soluble	Solid	DI Leach	

Leach Batch: 23842

Lab Sample ID	Client Sample ID	Prep Туре	Matrix	Method	Prep Batch
890-2205-11	PH14	Soluble	Solid	DI Leach	
890-2205-12	PH14	Soluble	Solid	DI Leach	

Analysis Batch: 24343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2204-1	PH07	Soluble	Solid	300.0	23841
890-2204-2	PH07	Soluble	Solid	300.0	23841
890-2204-3	PH08	Soluble	Solid	300.0	23841
890-2204-4	PH08	Soluble	Solid	300.0	23841
890-2204-5	PH09	Soluble	Solid	300.0	23841
890-2204-6	PH09	Soluble	Solid	300.0	23841
890-2204-7	PH10	Soluble	Solid	300.0	23841
890-2204-8	PH10	Soluble	Solid	300.0	23841
890-2204-9	PH13	Soluble	Solid	300.0	23841
890-2204-10	PH13	Soluble	Solid	300.0	23841
MB 880-23841/1-A	Method Blank	Soluble	Solid	300.0	23841
LCS 880-23841/2-A	Lab Control Sample	Soluble	Solid	300.0	23841
LCSD 880-23841/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	23841

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Job ID: 890-2204-1 SDG: 03A198701

Job ID: 890-2204-1

SDG: 03A198701

QC Association Summary

Client: Ensolum Project/Site: Pecos Fed 1Y

HPLC/IC (Continued)

Analysis Batch: 24343 (Continued)

Lab Sample ID 890-2204-5 MS	Client Sample ID PH09	Prep Type Soluble	Matrix Solid	Method 300.0	Prep Batch 23841
890-2204-5 MSD	PH09	Soluble	Solid	300.0	23841
Analysis Batch: 24	345				

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-2205-11	PH14	Soluble	Solid	300.0	23842
890-2205-12	PH14	Soluble	Solid	300.0	23842

Eurofins Carlsbad

Job ID: 890-2204-1 SDG: 03A198701

Matrix: Solid

Lab Sample ID: 890-2204-1

Client Sample ID: PH07 Date Collected: 04/18/22 12:55 Date Received: 04/19/22 13:33

Project/Site: Pecos Fed 1Y

Client: Ensolum

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	24102	04/23/22 13:41	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24112	04/25/22 18:56	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24248	04/26/22 10:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23931	04/21/22 10:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	23828	04/20/22 11:30	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23813	04/20/22 23:21	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	23841	04/20/22 12:40	SC	XEN MID
Soluble	Analysis	300.0		1			24343	04/28/22 00:17	СН	XEN MID

Lab Sample ID: 890-2204-2 Matrix: Solid

Lab Sample ID: 890-2204-3

Lab Sample ID: 890-2204-4

Matrix: Solid

Client Sample ID: PH07 Date Collected: 04/18/22 13:00

Date Received: 04/19/22 13:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared			
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab	
Total/NA	Prep	5035			5.01 g	5 mL	24102	04/23/22 13:41	MR	XEN MID	
Total/NA	Analysis	8021B		1	5 mL	5 mL	24112	04/25/22 19:23	MR	XEN MID	
Total/NA	Analysis	Total BTEX		1			24248	04/26/22 10:02	AJ	XEN MID	
Total/NA	Analysis	8015 NM		1			23931	04/21/22 10:45	AJ	XEN MID	
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	23828	04/20/22 11:30	DM	XEN MID	
Total/NA	Analysis	8015B NM		1			23813	04/20/22 23:42	AJ	XEN MID	
Soluble	Leach	DI Leach			4.96 g	50 mL	23841	04/20/22 12:40	SC	XEN MID	
Soluble	Analysis	300.0		1			24343	04/28/22 00:23	СН	XEN MID	

Client Sample ID: PH08 Date Collected: 04/18/22 13:05 Date Received: 04/19/22 13:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	24102	04/23/22 13:41	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24112	04/25/22 19:50	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24248	04/26/22 10:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23931	04/21/22 10:45	AJ	XEN MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.04 g	10 mL	23828 23813	04/20/22 11:30 04/21/22 00:02	DM AJ	XEN MID XEN MID
Soluble Soluble	Leach Analysis	DI Leach 300.0		1	5 g	50 mL	23841 24343	04/20/22 12:40 04/28/22 00:29		XEN MID XEN MID

Client Sample ID: PH08 Date Collected: 04/18/22 13:10 Date Received: 04/19/22 13:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	24102	04/23/22 13:41	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24112	04/25/22 20:17	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24248	04/26/22 10:02	AJ	XEN MID

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Matrix: Solid

5

Client: Ensolum Project/Site: Pecos Fed 1Y

Client Sample ID: PH08 Date Collected: 04/18/22 13:10 Date Received: 04/19/22 13:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			23931	04/21/22 10:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	23828	04/20/22 11:30	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23813	04/21/22 00:23	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	23841	04/20/22 12:40	SC	XEN MID
Soluble	Analysis	300.0		1			24343	04/28/22 00:36	СН	XEN MID
Client Sam	ple ID: PH)9						Lab Sample	e ID: 89	0-2204-5

Client Sample ID: PH09 Date Collected: 04/18/22 13:20 Date Received: 04/19/22 13:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	24266	04/26/22 15:48	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24447	04/29/22 02:22	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			24248	04/26/22 10:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23931	04/21/22 10:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	23828	04/20/22 11:30	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23813	04/21/22 00:43	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	23841	04/20/22 12:40	SC	XEN MID
Soluble	Analysis	300.0		1			24343	04/28/22 00:42	СН	XEN MID

Client Sample ID: PH09

Date Collected: 04/18/22 13:25 Date Received: 04/19/22 13:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	24473	04/29/22 09:06	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24450	04/29/22 17:19	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24248	04/26/22 10:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23931	04/21/22 10:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	23828	04/20/22 11:30	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23813	04/21/22 01:25	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	23841	04/20/22 12:40	SC	XEN MID
Soluble	Analysis	300.0		1			24343	04/28/22 01:01	CH	XEN MID

Client Sample ID: PH10 Date Collected: 04/18/22 13:35 Date Received: 04/19/22 13:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	24473	04/29/22 09:06	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24450	04/29/22 17:40	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24248	04/26/22 10:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23931	04/21/22 10:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	23828	04/20/22 11:30	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23813	04/21/22 01:45	AJ	XEN MID

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Matrix: Solid

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Job ID: 890-2204-1 SDG: 03A198701

Lab Sample ID: 890-2204-4 Matrix: Solid

Matrix: Solid

Lab Sample ID: 890-2204-6 Matrix: Solid

Lab Sample ID: 890-2204-7

Lab Chronicle

Job ID: 890-2204-1 SDG: 03A198701

Lab Sample ID: 890-2204-7

Client Sample ID: PH10 Date Collected: 04/18/22 13:35 Date Received: 04/19/22 13:33

Project/Site: Pecos Fed 1Y

Client: Ensolum

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	23841	04/20/22 12:40	SC	XEN MID
Soluble	Analysis	300.0		1			24343	04/28/22 01:07	СН	XEN MID

Client Sample ID: PH10 Date Collected: 04/18/22 13:40 Date Received: 04/19/22 13:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	24473	04/29/22 09:06	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24450	04/29/22 18:00	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24248	04/26/22 10:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23931	04/21/22 10:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	23828	04/20/22 11:30	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23813	04/21/22 02:06	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	23841	04/20/22 12:40	SC	XEN MID
Soluble	Analysis	300.0		1			24343	04/28/22 01:27	СН	XEN MID

Client Sample ID: PH13 Date Collected: 04/19/22 08:55 Date Received: 04/19/22 13:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	24473	04/29/22 09:06	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24450	04/29/22 18:20	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24248	04/26/22 10:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23931	04/21/22 10:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	23828	04/20/22 11:30	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23813	04/21/22 02:26	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	23841	04/20/22 12:40	SC	XEN MID
Soluble	Analysis	300.0		1			24343	04/28/22 01:33	CH	XEN MID

Client Sample ID: PH13 Date Collected: 04/19/22 09:00 Date Received: 04/19/22 13:33

Lab Sample ID: 890-2204-10 Matrix: Solid

Lab Sample ID: 890-2204-9

Matrix: Solid

Batch Batch Dil Initial Final Batch Prepared Method Prep Type Туре Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA 5035 24473 04/29/22 09:06 MR XEN MID Prep 4.99 g 5 mL Total/NA 8021B Analysis 1 5 mL 5 mL 24450 04/29/22 18:41 MR XEN MID Total/NA Analysis Total BTEX 24248 04/26/22 10:02 AJ XEN MID 1 Total/NA 8015 NM 23931 Analysis 1 04/21/22 10:45 AJ XEN MID Total/NA 8015NM Prep 10.00 g 23828 04/20/22 11:30 DM XEN MID Prep 10 mL Total/NA Analysis 8015B NM 1 23813 04/21/22 02:47 AJ XEN MID Soluble DI Leach 50 mL 23841 04/20/22 12:40 SC XEN MID Leach 5 g Soluble Analysis 300.0 1 24343 04/28/22 01:39 CH XEN MID

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 Matrix: Solid

 Prepared

 or Analyzed
 Analyst
 Lab

 04/20/22 12:40
 SC
 XEN MID

 04/28/22 01:07
 CH
 XEN MID

 Lab Sample ID: 890-2204-8 Matrix: Solid
 Matrix: Solid

Initial

Amount

5.03 g

5 mL

10.01 g

5.01 g

Final

Amount

5 mL

5 mL

10 mL

50 mL

Batch

24099

24304

24426

23902

23857

23817

23842

24345

Number

Dil

1

1

1

1

1

Factor

Run

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Soluble

Soluble

Client Sample ID: PH14 Date Collected: 04/19/22 08:25 Date Received: 04/19/22 13:33

Batch

Туре

Prep

Analysis

Analysis

Analysis

Analysis

Analysis

Leach

Prep

Batch

5035

8021B

Total BTEX

8015NM Prep

8015 NM

8015B NM

DI Leach

300.0

Method

Job ID: 890-2204-1 SDG: 03A198701

Lab Sample ID: 890-2205-11

Analyst

MR

Prepared

or Analyzed

04/23/22 12:31

04/27/22 20:01 MR

04/28/22 11:55 AJ

04/21/22 09:38 AJ

04/20/22 15:27 DM

04/21/22 02:40 AJ

04/20/22 12:42 SC

Matrix: Solid

Lab

XEN MID

|2 |3

04/28/22 08:18 CH XEN MID Lab Sample ID: 890-2205-12 Matrix: Solid

Client Sample ID: PH14 Date Collected: 04/19/22 08:30 Date Received: 04/19/22 13:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	24099	04/23/22 12:31	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24304	04/27/22 20:21	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24426	04/28/22 11:55	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23902	04/21/22 09:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	23857	04/20/22 15:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23817	04/21/22 03:01	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	23842	04/20/22 12:42	SC	XEN MID
Soluble	Analysis	300.0		1			24345	04/28/22 08:25	СН	XEN MID

Laboratory References:

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

Eurofins Carlsbad

Released to Imaging: 9/20/2022 11:04:35 AM

Accreditation/Certification Summary

Client: Ensolum Project/Site: Pecos Fed 1Y Job ID: 890-2204-1 SDG: 03A198701

Laboratory: Eurofins Midland

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

uthority	Pro	ogram	Identification Number	Expiration Date
exas	NE	LAP	T104704400-21-22	06-30-22
The following enclute:		rt but the leberatory is r	not certified by the governing authority.	This list may include analytes for which
the agency does not c		it, but the laboratory is i	tot certilled by the governing autionty.	This list may include analytes for which
0,		Matrix	Analyte	
the agency does not o	offer certification.		, , , , ,	

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Method Summary

Client: Ensolum Project/Site: Pecos Fed 1Y Job ID: 890-2204-1 SDG: 03A198701

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

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Sample Summary

Client: Ensolum Project/Site: Pecos Fed 1Y

ab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
90-2204-1	PH07	Solid	04/18/22 12:55	04/19/22 13:33	0.5
90-2204-2	PH07	Solid	04/18/22 13:00	04/19/22 13:33	1
90-2204-3	PH08	Solid	04/18/22 13:05	04/19/22 13:33	0.5
90-2204-4	PH08	Solid	04/18/22 13:10	04/19/22 13:33	1
90-2204-5	PH09	Solid	04/18/22 13:20	04/19/22 13:33	0.5
90-2204-6	PH09	Solid	04/18/22 13:25	04/19/22 13:33	1
90-2204-7	PH10	Solid	04/18/22 13:35	04/19/22 13:33	0.5
90-2204-8	PH10	Solid	04/18/22 13:40	04/19/22 13:33	1
90-2204-9	PH13	Solid	04/19/22 08:55	04/19/22 13:33	0.5
90-2204-10	PH13	Solid	04/19/22 09:00	04/19/22 13:33	1
90-2205-11	PH14	Solid	04/19/22 08:25	04/19/22 13:33	0.5
90-2205-12	PH14	Solid	04/19/22 08:30	04/19/22 13:33	1

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Chain of Custody Norman Krain Journal Chain of Custody Work representation Work representation International Contract Representational Neuron Science S		1 CJ Lannamin	Relinquished by: (Signature)	or service: signature or trils socument and relinqu of service. Eurofins Xenco will be liable only fo of Eurofins Xenco, A minimum charge of \$85.0	Circle Method(s) and Metal(s) to be analyzed	70tal 200.7/6010 200.	21 41 4	PHIO	01140	pHo 9	pH09	\$H03	7 0119	FOHE	FOHE	Sample Identification	Total Containers:	Sample Custody Seals: Yes	Cooler Custody Seals: Yes	act (LE RECEIPT	PO #			Project Name: PRLOS F	Phone WW 1		Address: 3351 v	Company Name: Ensolum LLC.	Project Managers BLW B	🔅 eurofins
Sting Numer, Triana Navada, San Anara, Nr 1019 000 200 Bittigg, Bittigg, San Anara, Nr 1019 000 200 Bittigg, Bittigg, San Anara, Nr 1019 000 200 Bittigg, Bittigg, B			Received b	ushment of samples constitutes a v r the cost of samples and shall not a 0 will be applied to each project ar) to be analyzed	el bilhol	edbilho f	. +									Corrected Te	NIN	No (N/A)		Yes	Shore	Tat 42013	110 4 8	ta 1Y	-1-654-6852	0 669 F	· Northwest Hury Suit		<u>ehll</u>	Environment Te Xenco
Chain of Custody ween TX81376-extra Table, KT019 309-316 Non K019 309-340, Carponator Non K019 309-340, Carponator Non K019 309-340, Carponator Non K1019 309-340, Carponator Non K019 309-340, Carponator Non K019 309-340, Carponator Non K019 309-340, Carponator Non K1019 309-340, Carponator Non K019 309-340, Carponator Non K019 309-340, Carponator Non K019 309-340, Carponator Non K1019 309-340, Carponator Non K019 309-340, Carponator Non K020 Non K020 <t< td=""><td></td><td>AL.</td><td>(V)Signature)</td><td>alid purchase order from client con assume any responsibility for any lo nd a charge of \$5 for each sample s</td><td>TCLP / SPLP 6010 : 1</td><td>700 1 1</td><td>0.51</td><td>0</td><td></td><td></td><td>_</td><td></td><td></td><td>1 -</td><td>\$.9</td><td>Depth</td><td>3</td><td>30</td><td></td><td>2 Z</td><td>Wetice: Yos No</td><td>TAT starts the day received b the lab, if received by 4:30p</td><td>Due Date:</td><td></td><td>nAr</td><td>Jum.</td><td>City, State Z</td><td>12034</td><td></td><td>Bill to: (If dif</td><td></td></t<>		AL.	(V)Signature)	alid purchase order from client con assume any responsibility for any lo nd a charge of \$5 for each sample s	TCLP / SPLP 6010 : 1	700 1 1	0.51	0			_			1 -	\$.9	Depth	3	30		2 Z	Wetice: Yos No	TAT starts the day received b the lab, if received by 4:30p	Due Date:		nAr	Jum.	City, State Z	12034		Bill to: (If dif	
Work Order No: Page Program: Work Order Comments Program: Work Order Comments Reporting: Level II Deliverables: EDD A Chain of Custody None: No A Chain of Custody Naps 2, 0, 17 A Chain of Custody Naps 2, 0, 17 None: No Naps 2, 0, 17 Mis Ag TI U Hg: 1631 / 245, 1 / 7470 / 70 Ni Se Ag TI U Hg: 1631 / 245, 1 / 7470 / 70 No Seguet He condition Received by: (Signature) Notwing Received by: (Signature)		133 13B		pany to Eurofins Xenco, its affiliates and subcontractors. It assigns stand sees or expenses incurred by the client if such losses are due to circumsta binitted to Eurofins Xenco, but not analyzed. These terms will be enforce	SRCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo	Al Sh As Ba Be B Cd Ca Cr Co Cu En									x X	tont B ⊢	TE PH	c riol	Pa	гаше 				Code	ANALYSIS	aley @ Drn. com	(Carlsbad Nm, 8822	5315 Buena	Devon energy		Chain of Custody Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Hand, TX (432) 704-5:440, San Antonio, TX (210) 509-3334 L Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Iobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199
	Revised Date: 09			rd terns and conditions nces beyond the confroi nd unless previously negotiated.	= 7 Je											Sample Comments	NaOH+Ascorbic Acid: SAPC	W	Na-S-O-I			HCL:HC	Cool:Cool	None: NO		Deliverables: EDD ADaPT Other:	Reporting: Level II Level II PST/UST	State of Project:	1	Ě	-

	vorte: Signature of this document and reling of Service. Eurofins Xenco will be liable only in dif Eurofins Xenco. A minimum charge of 585 Relinguis/hed by: (Signature) 1 C 3 5	Total 200,7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed	\$7	2414	DrH 14	1 Xori Svi karijets	Sample Custody Seals:	Cooler Custody Seals:	SAMPLE RECEIPT	Sampler's Name: (PO #:	Cc	er: Ø	Name:	Phone:	City, State ZIP:	Address:	Conventionager:	eurofins.
i	ed relinquishment of samples constitutes a valid purchase order constructive cost of samples and shall not assume any respon of \$355.00 will be applied to each project and a charge of \$5 fc atture) Received by Signature)	200.8 / 6020: Retal(s) to be analyzed			on Matrix Sampled Sampled S Oth [14]27 & 3/5	Corrected Temp	18	Yes No N/A Conection Factor	Blank: Yes No	Conver Snere TATS	10	3A 1987014 Walkoutine	Perosfed IV				a na mana ana ana ana ana ana ana ana an	INS Environment Testing Xenco
	Portice. Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofus Xenco, its artillates and subcontractors. It assigns standard terms and conditions of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are clies to circumstances beyond the control of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are clies to circumstances beyond the control of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are clies to circumstances beyond the control of Eurofus Xenco. Junifies Xenco. but not analyzed. These terms will be enforced unless previously negro. Relinquished by: (Signatture) Received by: (Signatture) Received by: (Signatture) Received by: (Signatture)	A 13PPM Texas 11 AI Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo 1 TCLP/SPLP 6010 : BRCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag TI U		7,01	Depth Grap For B	žev	ading	Param	ĻĻĻ	TAT starts the day received by the lab, if received by 4:30pm		utine Rush Pres	Line Astrony	Email.	/ _/··	Contrany Name:	Bill to: (if different)	Houston Mildand, TV EL Paso, T Hobbs, Ni
	es and subcontraction; it easigns standard terms and elemit such losses are due to circumstances beyond the of analyzed. These terms will be enforced unless previous Relinquished by: (Signature)	Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti t		××		loria	<u>dec</u>					ANALYSIS REQUEST		8	s			Chain of Custody TX (281) 240-4200, Dallas, TX (214) 902-0300 (432) 704-5440, San Antonio, TX (210) 509-3324 X (915) 585-3443, Lubbock, TX (806) 794-1296 M (575) 392-7550, Carlsbad, NM (575) 988-3139
	Recei	Vi K Se Ag SiO ₂ Na Sr Hir Kola 1631/245.1				NaOH4	Na ₂ S ₂	NaHSO 4.1	H ₂ SO 4:H ₂	Cool: Cool HCL:HC	None: NO		Deliverables: EDD ADaPT	Reporting: Level II Level III PST/UST TRRP Level IV	State of Project:	Program: UST/PST PRP Brownfields RRC	Work Order Comments	
Revised Date: 01.0	Date/Time	TI Sn U V Zn 17470 / 7471			Sample Comments	2n Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC	Na ₂ S ₂ O ₃ : NaSO 3	NaHSO , NABIS	CH 2 NaOH Na	Cool MeOH: Me HNO ₃ : HN	NO DI Waterr H ₂ O	Preservative Codes	Other:		[10	<u>ب</u>

Chain of Custody

Ver 06/08/2021												F						
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			Method of Shipment:	d of St	Metho			$ \downarrow $		1	M	IJ	Time			Date		Empty Kit Relinquished by
						nts	Requirements	Requ		uctior	Special Instructions/QC	pecia	s			ole Rank 2	Primary Deliverable Rank	Deliverable Requested 1 II III IV Other (specify)
han 1 month) Months	ee may be assessed if samples are retained longer than 1 month)	are reta	ıples a	i f san y Lab	assessed if san Disposal By Lab	asses Dispo	y be a	e ma	(Afe Xient	posal 1 To C	Sample Disposal (A f		s					Possible Hazard Identification Unconfirmed
ion compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the the Eurofins Environment Testing South Central LLC laboratory or other instructions will be provided. Any changes to return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing South Central LLC.	ent is forwarded u her instructions w urofins Environm	ole shipme Itory or othe ance to Eu	iis samp Claborat complica	ies Th rai LLC o said o	borator Ih Cent esting t	iract lat ig Sout ody atte	subcont It Testin of Custo	on out : onmen Chain c	ince up is Envii signed	Eurofir Eurofir	itation ((to the ite retu	accred 3d back nt to da	alyte & e shippu e curre	amples must be creditations an	ne ownersnip nalyzed the si I requested ad	natrix being an rediately If all	t Lesurig Source Centra ove for analysis/tests/r itral LLC attention imn	Incomprove according the contract aboration 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 to said compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the accreditation on the Current 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 to said complicance 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 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 attention immediately.
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ial Instructions/Note	Total Numbe							Total_BTEX_G	8021B/5035FP	300_ORGFM_	B015MOD_NM	8015MOD_Cal	Field Filtered Perform MS/	Matrix (W=water S=solid, O=waste/oli, BT=Tissue, A=Air)	Sample Type (C=comp, G=grab)	Sample	Sample Date	Sample Identification - Client ID (Lab ID)
	r of col Other									28D/DI_I		CHANG WAR					SSOW#:	Sie
W pH 4-5 Z other (specify)	L - EDA	- Dadišeratili							TEX	EACH	I_S_Pr		SUMOTO-				Project #: 89000084	Project Name: PECOS FED 1X
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n Codes	Preservation Codes				ited	Requested		ıalvsis	Ana							-	Due Date Requested 4/25/2022	adaress 1211 W Florida Ave
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Environment Testing America	1											orc	lec	Chain of Custody Record	of Cus	nain c		Carlsbad NM 88220 Phone 575-988-3199 Fax. 575-988-3199
	🖑 eurofins										-		-	-	h))	1089 N Canal St
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12 13

Job Number: 890-2204-1 SDG Number: 03A198701

List Source: Eurofins Carlsbad

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 2204 List Number: 1 **Creator: Clifton, Cloe**

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

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

Login Sample Receipt Checklist

Client: Ensolum

<6mm (1/4").

Login Number: 2204 List Number: 2 Creator: Teel, Brianna

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
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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	

Job Number: 890-2204-1

Received by OCD: 6/20/2022 7:29:20 AM

LINKS

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Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-2204-2

Laboratory Sample Delivery Group: 03A198701 Client Project/Site: Pecos Fed 1Y Revision: 1

For:

Ensolum 705 W. Wadley Suite 210 Midland, Texas 79701

Attn: Joseph Hernandez

RAMER

Authorized for release by: 5/19/2022 1:48:12 PM

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

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

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

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QC Association Summary	25
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	Definitions/Glossary		
Client: Ensolu Project/Site: I	um Pecos Fed 1Y	Job ID: 890-2204-2 SDG: 03A198701	2
Qualifiers			3
GC VOA Qualifier	Qualifier Description		
*+	LCS and/or LCSD is outside acceptance limits, high biased.		
F1	MS and/or MSD recovery exceeds control limits.		5
U	Indicates the analyte was analyzed for but not detected.		
GC Semi VO	Α		
Qualifier	Qualifier Description		
S1+	Surrogate recovery exceeds control limits, high biased.		
U	Indicates the analyte was analyzed for but not detected.		
HPLC/IC			
Qualifier	Qualifier Description		
U	Indicates the analyte was analyzed for but not detected.		
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		4
DER	Duplicate Error Ratio (normalized absolute difference)		1
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 MCL	Limit of Quantitation (DoD/DOE) EPA recommended "Maximum Contaminant Level"		
MDA	Minimum Detectable Activity (Radiochemistry)		
MDA	Minimum Detectable Concentration (Radiochemistry)		
MDC	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)		
TNITO	Tee Numeroue Te Count		

TNTC Too Numerous To Count

Eurofins Carlsbad

Case Narrative

Client: Ensolum Project/Site: Pecos Fed 1Y

Job ID: 890-2205-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-2205-1

Receipt

The samples were received on 4/19/2022 1:33 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.0°C

GC VOA

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-24099 and analytical batch 880-24304 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-24483 and analytical batch 880-24523 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

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.

4

Client: Ensolum Project/Site: Pecos Fed 1Y

Client Sample ID: PH04 Date Collected: 04/18/22 11:05 Date Received: 04/19/22 13:33

Sample Depth: 1

	anic Compo	unas (GC)							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/29/22 09:06	04/29/22 19:01	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/29/22 09:06	04/29/22 19:01	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/29/22 09:06	04/29/22 19:01	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/29/22 09:06	04/29/22 19:01	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/29/22 09:06	04/29/22 19:01	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/29/22 09:06	04/29/22 19:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				04/29/22 09:06	04/29/22 19:01	1
1,4-Difluorobenzene (Surr)	94		70 - 130				04/29/22 09:06	04/29/22 19:01	1
	TEX Calcula	tion							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/26/22 10:02	1
_ Method: 8015 NM - Diesel Ra	nge Organic	s (DRO) (C	GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	-	50.0		mg/Kg			04/21/22 10:45	1
Mothod: 00450 MM - Disset D	0000 0								
Method: 8015B NM - Diesel R			· · ·		l leit	-	D ae	Ancher	
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/20/22 11:30	04/21/22 03:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/20/22 11:30	04/21/22 03:08	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/20/22 11:30	04/21/22 03:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				04/20/22 11:30	04/21/22 03:08	1
o-Ternhenvl	98		70 - 130				04/20/22 11:30	04/21/22 03:08	1
o-Terphenyl	30		10-100						1
 		iphy - Solu							1
	Chromatogra Result	Qualifier	ible RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
_ Method: 300.0 - Anions, Ion C	Chromatogra	Qualifier	ıble	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 04/28/22 01:46	·
Method: 300.0 - Anions, Ion C Analyte Chloride	Chromatogra Result	Qualifier	ible RL	MDL					Dil Fac
Method: 300.0 - Anions, Ion C Analyte Chloride Client Sample ID: PH05	Chromatogra Result <4.99	Qualifier	ible RL	MDL				04/28/22 01:46 DI: 890-22	Dil Fac
Method: 300.0 - Anions, Ion C Analyte	Chromatogra Result <4.99	Qualifier	ible RL	MDL				04/28/22 01:46 DI: 890-22	Dil Fac 1 204-12
Method: 300.0 - Anions, Ion C Analyte Chloride Client Sample ID: PH05 Date Collected: 04/18/22 11:25	Chromatogra Result <4.99	Qualifier	ible RL	MDL				04/28/22 01:46 DI: 890-22	Dil Fac 1 204-12
Method: 300.0 - Anions, Ion C Analyte Chloride Client Sample ID: PH05 Date Collected: 04/18/22 11:25 Date Received: 04/19/22 13:33 Sample Depth: 0.5	Chromatogra Result <4.99	Qualifier U	Ible 	MDL				04/28/22 01:46 DI: 890-22	Dil Fac 1 204-12
Method: 300.0 - Anions, Ion C Analyte Chloride Client Sample ID: PH05 Date Collected: 04/18/22 11:25 Date Received: 04/19/22 13:33	Chromatogra Result <4.99	Qualifier U unds (GC) Qualifier	Ible 	MDL	mg/Kg			04/28/22 01:46 DI: 890-22	Dil Fac 1 204-12
Method: 300.0 - Anions, Ion C Analyte Chloride Client Sample ID: PH05 Date Collected: 04/18/22 11:25 Date Received: 04/19/22 13:33 Sample Depth: 0.5 Method: 8021B - Volatile Orga	Chromatogra Result <4.99	Qualifier U unds (GC) Qualifier	Ible 		mg/Kg	L	ab Sample	04/28/22 01:46 2 ID: 890-22 Matrix	Dil Fac 1 204-12 :: Solid
Method: 300.0 - Anions, Ion C Analyte Chloride Client Sample ID: PH05 Date Collected: 04/18/22 11:25 Date Received: 04/19/22 13:33 Sample Depth: 0.5 Method: 8021B - Volatile Orga Analyte	Chromatogra Result <4.99	Qualifier U unds (GC) Qualifier U	Ible 		mg/Kg	L	.ab Sample <u>Prepared</u> 04/29/22 09:06	04/28/22 01:46 2 ID: 890-22 Matrix Analyzed	Dil Fac 1 204-12 2: Solid Dil Fac
Method: 300.0 - Anions, Ion C Analyte Chloride Client Sample ID: PH05 Date Collected: 04/18/22 11:25 Date Received: 04/19/22 13:33 Sample Depth: 0.5 Method: 8021B - Volatile Orga Analyte Benzene	Chromatogra Result <4.99 anic Comport Result <0.00199	Qualifier U U U U Qualifier U U	RL 4.99 4.99		mg/Kg	L	Prepared 04/29/22 09:06 04/29/22 09:06	04/28/22 01:46 D: 890-22 Matrix <u>Analyzed</u> 04/29/22 19:22	Dil Fac 1 204-12 :: Solid Dil Fac 1
Method: 300.0 - Anions, Ion C Analyte Chloride Client Sample ID: PH05 Date Collected: 04/18/22 11:25 Date Received: 04/19/22 13:33 Sample Depth: 0.5 Method: 8021B - Volatile Orga Analyte Benzene Toluene	Chromatogra Result <4.99 anic Compor Result <0.00199 <0.00199	Qualifier U unds (GC) Qualifier U U U	RL RL 4.99 - 0.00199 - 0.00199 -		Unit mg/Kg mg/Kg	L	Prepared 04/29/22 09:06 04/29/22 09:06 04/29/22 09:06	04/28/22 01:46 ID: 890-22 Matrix <u>Analyzed</u> 04/29/22 19:22 04/29/22 19:22	Dil Fac 1 204-12 :: Solid Dil Fac 1 1
Method: 300.0 - Anions, Ion C Analyte Chloride Client Sample ID: PH05 Date Collected: 04/18/22 11:25 Date Received: 04/19/22 13:33 Sample Depth: 0.5 Method: 8021B - Volatile Orga Analyte Benzene Toluene Ethylbenzene	Chromatogra Result <4.99 anic Compor Result <0.00199 <0.00199 <0.00199	Qualifier U U U Qualifier U U U U	RL RL 4.99 - 0.00199 - 0.00199 - 0.00199 - 0.00199 -		Unit mg/Kg mg/Kg mg/Kg	L	Prepared 04/29/22 09:06 04/29/22 09:06 04/29/22 09:06 04/29/22 09:06	04/28/22 01:46 D1: 890-22 Matrix Analyzed 04/29/22 19:22 04/29/22 19:22 04/29/22 19:22	Dil Fac 1 204-12 :: Solid Dil Fac 1 1

Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: 890-2204-11

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Prepared Analyzed Dil Fac 04/29/22 09:06 04/29/22 19:22

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1

Limits

70 - 130

%Recovery Qualifier

104

Job ID: 890-2204-2

l imits

70 - 130

RL

RL

49.9

RL

49.9

49.9

49.9

I imits

70 - 130

70 - 130

0.00398

MDL

MDL Unit

MDL Unit

Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

Job ID: 890-2204-2 SDG: 03A198701

Analyzed

Analyzed

04/26/22 10:02

Analyzed

04/21/22 10:45

04/29/22 09:06 04/29/22 19:22

Matrix: Solid

Dil Fac

Dil Fac

Dil Fac

Client Sample ID: PH05 Date Collected: 04/18/22 11:25

Sample Depth: 0.5

1,4-Difluorobenzene (Surr)

Gasoline Range Organics

Diesel Range Organics (Over

Oll Range Organics (Over C28-C36)

Surrogate

Analyte

Analyte

Analyte

C10-C28)

Surrogate

o-Terphenyl

1-Chlorooctane

(GRO)-C6-C10

Total TPH

Total BTEX

Project/Site: Pecos Fed 1Y

Client: Ensolum

Date Received: 04/19/22 13:33

Method: Total BTEX - Total BTEX Calculation

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

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

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

%Recovery Qualifier

Result Qualifier

Result Qualifier

Result Qualifier

<49.9 U

<49.9 U

<49.9 U

<49.9 U

%Recovery Qualifier

93

102

92

<0.00398 U

Lab Sample ID: 890-2204-12

Prepared

Prepared

Prepared

D

D

D

5

Prepared	Analyzed	Dil Fac	
04/20/22 11:30	04/21/22 03:28	1	
04/20/22 11:30	04/21/22 03:28	1	
04/20/22 11:30	04/21/22 03:28	1	13

Matrix: Solid

Prepared	Analyzed	Dil Fac
04/20/22 11:30	04/21/22 03:28	1
04/20/22 11:30	04/21/22 03:28	1

Lab Sample ID: 890-2204-13

Method: 300.0 - Anions, Ion Chromatography - Soluble nalute

Analyte	Result	Quaimer	RL	WDL	Unit	U	Prepared	Analyzeu	DIFac
Chloride	5.60		5.00		mg/Kg			04/28/22 01:52	1

Client Sample ID: PH05 Date Collected: 04/18/22 11:30

Date Received: 04/19/22 13:33 Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC) Analyte **Result Qualifier** RL MDL Unit D Dil Fac Prepared Analyzed Benzene <0.00200 U 0.00200 mg/Kg 04/29/22 09:06 04/29/22 19:42 Toluene <0.00200 U 0.00200 mg/Kg 04/29/22 09:06 04/29/22 19:42 1 Ethylbenzene <0.00200 U 0.00200 mg/Kg 04/29/22 09:06 04/29/22 19:42 m-Xylene & p-Xylene <0.00399 U 0.00399 04/29/22 09:06 04/29/22 19:42 mg/Kg 1 o-Xylene <0.00200 U 0.00200 mg/Kg 04/29/22 09:06 04/29/22 19:42 1 Xylenes, Total <0.00399 U 0.00399 mg/Kg 04/29/22 09:06 04/29/22 19:42 1 Surrogate %Recoverv Qualifier Limits Prepared Analvzed Dil Fac 70 - 130 04/29/22 09:06 04/29/22 19:42 4-Bromofluorobenzene (Surr) 109 1 1,4-Difluorobenzene (Surr) 98 70 - 130 04/29/22 09:06 04/29/22 19:42 1 Method: Total BTEX - Total BTEX Calculation Analvte **Result Qualifier** RL MDL Unit D Prepared Analyzed Dil Fac <0.00399 U Total BTEX 0.00399 mg/Kg 04/26/22 10:02 1 Method: 8015 NM - Diesel Range Organics (DRO) (GC) Analyte **Result Qualifier** RL MDL Unit D Prepared Analyzed Dil Fac Total TPH <50.0 U 50.0 mg/Kg 04/21/22 10:45 1

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Released to Imaging: 9/20/2022 11:04:35 AM

Client: Ensolum Project/Site: Pecos Fed 1Y

Client Sample ID: PH05

Date Collected: 04/18/22 11:30 Date Received: 04/19/22 13:33

Sample Depth: 1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/20/22 11:30	04/21/22 03:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/20/22 11:30	04/21/22 03:49	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/20/22 11:30	04/21/22 03:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				04/20/22 11:30	04/21/22 03:49	1
o-Terphenyl	101		70 - 130				04/20/22 11:30	04/21/22 03:49	1
Method: 300.0 - Anions, Ion C	nromatogra	phy - Solu	ıble						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.5		4.96		mg/Kg			04/28/22 01:58	1
lient Sample ID: PH06						L	_ab Sample	e ID: 890-22	04-14
ate Collected: 04/18/22 11:45									: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/29/22 09:06	04/29/22 20:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/29/22 09:06	04/29/22 20:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/29/22 09:06	04/29/22 20:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/29/22 09:06	04/29/22 20:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/29/22 09:06	04/29/22 20:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/29/22 09:06	04/29/22 20:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				04/29/22 09:06	04/29/22 20:03	1
1,4-Difluorobenzene (Surr)	95		70 - 130				04/29/22 09:06	04/29/22 20:03	1
		Qualifier		MDL		D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 04/26/22 10:02	Dil Fac
Analyte Total BTEX Method: 8015 NM - Diesel Ra Analyte	<0.00398	U	0.00398	MDL	mg/Kg	D 	Prepared Prepared		Dil Fac
Total BTEX Method: 8015 NM - Diesel Ra	<0.00398	U s (DRO) (C Qualifier	0.00398		mg/Kg	=	<u>.</u>	04/26/22 10:02	1
Total BTEX Method: 8015 NM - Diesel Ra Analyte Total TPH	<0.00398 nge Organic Result <50.0	U s (DRO) (O Qualifier U	0.00398 GC) RL 50.0		mg/Kg Unit	=	<u>.</u>	04/26/22 10:02 Analyzed	1
Total BTEX Method: 8015 NM - Diesel Ra Analyte Total TPH Method: 8015B NM - Diesel R	<0.00398 nge Organic Result <50.0 ange Organ	U s (DRO) (O Qualifier U	0.00398 GC) RL 50.0		mg/Kg Unit mg/Kg	=	<u>.</u>	04/26/22 10:02 Analyzed	1 Dil Fac
Total BTEX Method: 8015 NM - Diesel Ra Analyte Total TPH Method: 8015B NM - Diesel R Analyte Gasoline Range Organics	<0.00398 nge Organic Result <50.0 ange Organ	U s (DRO) (C Qualifier U ics (DRO) Qualifier	0.00398 C) RL 50.0 (GC)	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared	04/26/22 10:02 Analyzed 04/21/22 10:45	1 Dil Fac
Total BTEX Method: 8015 NM - Diesel Ra Analyte	<0.00398 nge Organic Result <50.0 Cange Organ Result	U s (DRO) (C Qualifier U ics (DRO) Qualifier U	0.00398 C) RL 50.0 (GC) RL	MDL	mg/Kg Unit mg/Kg Unit	<u>D</u>	Prepared Prepared	04/26/22 10:02 Analyzed 04/21/22 10:45 Analyzed	1

5

Job ID: 890-2204-2 SDG: 03A198701

Lab Sample ID: 890-2204-13 Matrix: Solid

Released to Imaging: 9/20/2022 11:04:35 AM

		Client	Sample I	Result	ts				, 101 o j 1
Client: Ensolum Project/Site: Pecos Fed 1Y			•					Job ID: 890- SDG: 03A	
-							ah Camala		
Client Sample ID: PH06 Date Collected: 04/18/22 11:45 Date Received: 04/19/22 13:33 Sample Depth: 0.5						L	ab Sample	e ID: 890-22 Matrix	c: Solid
Method: 300.0 - Anions, Ion C Analyte		i <mark>phy - Solu</mark> Qualifier	ible RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.36		5.00		mg/Kg			04/28/22 02:05	1
Client Sample ID: PH06 Date Collected: 04/18/22 11:50 Date Received: 04/19/22 13:33 Sample Depth: 1						L	ab Sample	e ID: 890-22 Matrix	204-15 (: Solid
Method: 8021B - Volatile Orga	nic Compo	unds (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/29/22 09:06	04/29/22 20:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/29/22 09:06	04/29/22 20:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/29/22 09:06	04/29/22 20:23	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/29/22 09:06	04/29/22 20:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/29/22 09:06	04/29/22 20:23	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/29/22 09:06	04/29/22 20:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				04/29/22 09:06	04/29/22 20:23	1
1,4-Difluorobenzene (Surr)	105		70 - 130				04/29/22 09:06	04/29/22 20:23	1
Method: Total BTEX - Total BT	EX Calcula	tion							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/26/22 10:02	1
Method: 8015 NM - Diesel Ran	nde Organic	s (DRO) (6	3C)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9		49.9		mg/Kg			04/21/22 10:45	1
Method: 2015B NM Discol Br									
Method: 8015B NM - Diesel Ra Analyte		Qualifier	(GC) RL	мрі	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9		49.9		mg/Kg		04/20/22 11:30		1
(GRO)-C6-C10 Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		04/20/22 11:30	04/21/22 04:30	1
C10-C28) Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/20/22 11:30	04/21/22 04:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				04/20/22 11:30	04/21/22 04:30	1
o-Terphenyl	100		70 - 130				04/20/22 11:30	04/21/22 04:30	1
Method: 300.0 - Anions, Ion C	hromatogra	iphy - Solu	ble						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.50		4.99		mg/Kg			04/28/22 06:31	1

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RL

MDL Unit

D

Prepared

Job ID: 890-2204-2 SDG: 03A198701

Client Sample ID: PH01 Date Collected: 04/18/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Result Qualifier

Project/Site: Pecos Fed 1Y

Date Received: 04/19/22 13:33 Sample Depth: 0.5

Analyte

Client: Ensolum

Lab Sample ID: 890-2205-1

Analyzed

890-2205-1 Matrix: Solid /zed 2 16:42 Dil Fac 1

Analyte									
Benzene	< 0.00200	U	0.00200		mg/Kg		04/29/22 09:22	04/29/22 16:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/29/22 09:22	04/29/22 16:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/29/22 09:22	04/29/22 16:42	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/29/22 09:22	04/29/22 16:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/29/22 09:22	04/29/22 16:42	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/29/22 09:22	04/29/22 16:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				04/29/22 09:22	04/29/22 16:42	1
1,4-Difluorobenzene (Surr)	83		70 - 130				04/29/22 09:22	04/29/22 16:42	1
Method: Total BTEX - Total B	3TEX Calcula	tion							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/28/22 11:55	1
Method: 8015 NM - Diesel R	ange Organic	s (DRO) (C	SC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	985		49.9		mg/Kg			04/21/22 09:38	1
Analyte Gasoline Range Organics	Result <49.9	Qualifier		MDL	Unit mg/Kg	_ D	Prepared 04/20/22 15:27	Analyzed 04/21/22 03:21	Dil Fac
•				MDL		_ <u>D</u>			
(GRO)-C6-C10 Diesel Range Organics (Over	763		49.9		mg/Kg		04/20/22 15:27	04/21/22 03:21	1
C10-C28)			49.9					04/21/22 03.21	I
Oll Range Organics (Over C28-C36)	222								
020-030)			49.9		mg/Kg		04/20/22 15:27	04/21/22 03:21	1
·	%Recovery	Qualifier	49.9 Limits		mg/Kg		04/20/22 15:27 Prepared	04/21/22 03:21 Analyzed	
Surrogate	%Recovery	Qualifier S1+			mg/Kg		Prepared		1 Dil Fac
Surrogate 1-Chlorooctane	%Recovery 136		Limits		mg/Kg		Prepared 04/20/22 15:27	Analyzed	
Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion	<u>%Recovery</u> 136 152 Chromatogra	S1+ S1+ Iphy - Solu	Limits 70 - 130 70 - 130		mg/Kg		Prepared 04/20/22 15:27 04/20/22 15:27	Analyzed 04/21/22 03:21	Dil Fac 1 1
Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion	<u>%Recovery</u> 136 152 Chromatogra	S1+ S1+	Limits 70 - 130 70 - 130 ble RL	MDL		D	Prepared 04/20/22 15:27	Analyzed 04/21/22 03:21	Dil Fac
Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion Analyte	<u>%Recovery</u> 136 152 Chromatogra	S1+ S1+ Iphy - Solu	Limits 70 - 130 70 - 130	MDL		_ <u>D</u>	Prepared 04/20/22 15:27 04/20/22 15:27	Analyzed 04/21/22 03:21 04/21/22 03:21	Dil Fac 1 1
Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion Analyte Chloride	<u>%Recovery</u> 136 152 Chromatogra Result	S1+ S1+ Iphy - Solu	Limits 70 - 130 70 - 130 ble RL	MDL	Unit	_ <u>D</u>	Prepared 04/20/22 15:27 04/20/22 15:27 Prepared	Analyzed 04/21/22 03:21 04/21/22 03:21 04/21/22 03:21 04/28/22 06:50	Dil Fac 1 1 Dil Fac
Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion Analyte Chloride Client Sample ID: PH01	%Recovery 136 152 Chromatogra Result 361	S1+ S1+ Iphy - Solu	Limits 70 - 130 70 - 130 ble RL	MDL	Unit	_ <u>D</u>	Prepared 04/20/22 15:27 04/20/22 15:27 Prepared	Analyzed 04/21/22 03:21 04/21/22 03:21 Analyzed 04/28/22 06:50 Ie ID: 890-2	Dil Fac 1 1 205-2
Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion Analyte Chloride Client Sample ID: PH01 bate Collected: 04/18/22 10:0	<u>%Recovery</u> 136 152 Chromatogra <u>Result</u> 361	S1+ S1+ Iphy - Solu	Limits 70 - 130 70 - 130 ble RL	MDL	Unit	_ <u>D</u> _	Prepared 04/20/22 15:27 04/20/22 15:27 Prepared	Analyzed 04/21/22 03:21 04/21/22 03:21 04/21/22 03:21 04/28/22 06:50	Dil Fac 1 1 205-2
Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion Analyte Chloride Chloride Client Sample ID: PH01 vate Collected: 04/18/22 10:0 vate Received: 04/19/22 13:33	<u>%Recovery</u> 136 152 Chromatogra <u>Result</u> 361	S1+ S1+ Iphy - Solu	Limits 70 - 130 70 - 130 ble RL	MDL	Unit	_ <u>D</u>	Prepared 04/20/22 15:27 04/20/22 15:27 Prepared	Analyzed 04/21/22 03:21 04/21/22 03:21 Analyzed 04/28/22 06:50 Ie ID: 890-2	Dil Fac 1 1 205-2
Surrogate 1-Chlorooctane p-Terphenyl Method: 300.0 - Anions, Ion Analyte Chloride Ilient Sample ID: PH01 ate Collected: 04/18/22 10:0	<u>%Recovery</u> 136 152 Chromatogra <u>Result</u> 361	S1+ S1+ Iphy - Solu	Limits 70 - 130 70 - 130 ble RL	MDL	Unit	_ <u>D</u>	Prepared 04/20/22 15:27 04/20/22 15:27 Prepared	Analyzed 04/21/22 03:21 04/21/22 03:21 Analyzed 04/28/22 06:50 Ie ID: 890-2	Dil Fa

Method: 8021B -	Volatile Organi	c Compounds (GC)	
	Volutile Orgunit		

Analyte	Result	Qualifier	RL	MDL Uni	t C	D Prepared	Analyzed	Dil Fac
Benzene	< 0.00199	U	0.00199	mg/	Kg	04/29/22 09:22	04/29/22 17:02	1
Toluene	<0.00199	U	0.00199	mg/	Kg	04/29/22 09:22	04/29/22 17:02	1
Ethylbenzene	<0.00199	U	0.00199	mg/	Kg	04/29/22 09:22	04/29/22 17:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/	Kg	04/29/22 09:22	04/29/22 17:02	1
o-Xylene	<0.00199	U	0.00199	mg/	Kg	04/29/22 09:22	04/29/22 17:02	1
Xylenes, Total	<0.00398	U	0.00398	mg/	Kg	04/29/22 09:22	04/29/22 17:02	1

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Job ID: 890-2204-2 SDG: 03A198701

Lab Sample ID: 890-2205-2

Client Sample ID: PH01 Date Collected: 04/18/22 10:05

Project/Site: Pecos Fed 1Y

Client: Ensolum

Date Received: 04/19/22 13:33 Sample Depth: 1

Total BTEX <0.00398	Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Method: Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL 0.00398 MDL 0.00398 Unit mg/Kg D Prepared Q4/28/22 11:55 Analyzed Q4/28/22 11:55 Image: Description Method: 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL Total TPH MDL 1760 Unit mg/Kg D Prepared Q4/28/22 15:27 Analyzed Q4/21/22 09:38 Image: Description Method: 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL Mothod: 8015B NM - Diesel Range Organics (DRO) (GC) Analyte MDL Method: 8015B NM - Diesel Range Organics (DRO) (GC) Analyte MDL Method: 8015B NM - Diesel Range Organics (DRO) (GC) Analyte MDL Method: 8015B NM - Diesel Range Organics (DRO) (GC) Analyte MDL Method: 80015B NM - Diesel Range Organics (DRO) (GC) Analyte MDL Manalyte Unit mg/Kg D Prepared Q4/20/22 15:27 Analyzed Q4/21/22 03:41 D Oli Range Organics (Over C28-C36) 1470 50.0 mg/Kg Q4/20/22 15:27 Q4/21/22 03:41 Surrogate %Recovery Qualifier 1-Chioroctane Limits 144 S1+ 70.130 Prepared Q4/20/22 15:27 Analyzed Q4/20/22 15:27 Q4/21/22 03:41 Chioride 288 5.00 mg/Kg D Prepared Q4/20/22 15:27 Analyzed Q4/20/22 15:27 Malyzed Q4/20/22 15:27 Malyzed Q4/	4-Bromofluorobenzene (Surr)	106		70 - 130				04/29/22 09:22	04/29/22 17:02	1
AnalyteResultQualifierRLMDLUnitDPreparedAnalyzedCTotal BTEX<0.00398	1,4-Difluorobenzene (Surr)	97		70 - 130				04/29/22 09:22	04/29/22 17:02	1
Total BTEX <0.00398 U 0.00398 mg/Kg 0 0.4/28/22 11:55 Method: 8015 NM - Diesel Range Organics (DRO) (GC) Result Qualifier RL MDL Unit D Prepared Analyzed 04/28/22 11:55 Method: 8015 NM - Diesel Range Organics (DRO) (GC) Manalyte Result Qualifier RL MDL Unit D Prepared Analyzed 04/21/22 09:38 I Gasoline Range Organics 51.7 50.0 mg/Kg D Prepared Analyzed 04/20/22 15:27 04/21/22 03:41 G GRO)-C6-C10 Diseal Range Organics (Over 1470 50.0 mg/Kg 04/20/22 15:27 04/21/22 03:41 G C10-C28) Oll Range Organics (Over 241 50.0 mg/Kg 04/20/22 15:27 04/21/22 03:41 Surrogate %Recovery Qualifier Limits 70.130 Method: 300.0 - Anions, Ion Chromatography - Soluble 04/20/22 15:27 04/21/22 03:41 04/20/22 15:27 04/21/22 03:41 04/20/22 15:27 04/21/22 03:41 04/20/22 15:27 04/21/22 03:41 04/20/22 15:27 0	Method: Total BTEX - Total BT	EX Calcula	tion							
Method: 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed I Total TPH 1760 50.0 mg/Kg D Prepared Analyzed I Method: 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier RL MDL Unit D Prepared Analyzed I Gasoline Range Organics (Over 1470 50.0 mg/Kg 04/20/22 15:27 04/21/22 03:41 I Dilesel Range Organics (Over 1470 50.0 mg/Kg 04/20/22 15:27 04/21/22 03:41 C10-C28) Oll Range Organics (Over 241 50.0 mg/Kg 04/20/22 15:27 04/21/22 03:41 Surrogate %Recovery Qualifier Limits 1 04/20/22 15:27 04/21/22 03:41 1 1-Chlorooctane 144 51+ 70-130 04/20/22 15:27 04/21/22 03:41 1 Analyte Result Qualifier RL MDL Unit D Prepared Analyzed 1 1-Chlorooctane	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
AnalyteResultQualifierRLMDLUnitDPreparedAnalyzedQualifierRLTotal TPH1760176050.0mg/KgDPreparedAnalyzedQualifierResultMethod: 8015B NM - Diesel Range OrganicsResultQualifierRLMDLUnitDPreparedAnalyzedQualifierGasoline Range Organics51.750.0mg/Kg04/20/22 15:2704/21/22 03:41QualifierClose Range Organics (Over147050.0mg/Kg04/20/22 15:2704/21/22 03:41QualifierClose Range Organics (Over24150.0mg/Kg04/20/22 15:2704/21/22 03:41QualifierQualifierLimitsPreparedAnalyzedQualifier </td <td>Total BTEX</td> <td><0.00398</td> <td>U</td> <td>0.00398</td> <td></td> <td>mg/Kg</td> <td></td> <td></td> <td>04/28/22 11:55</td> <td>1</td>	Total BTEX	<0.00398	U	0.00398		mg/Kg			04/28/22 11:55	1
Total TPH 1760 50.0 mg/Kg 04/21/22 09:38 Method: 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier RL MDL Unit D Prepared Analyzed D GRO)-C6-C10 Diesel Range Organics (Over 1470 50.0 mg/Kg 04/20/22 15:27 04/21/22 03:41 D Oll Range Organics (Over 1470 50.0 mg/Kg 04/20/22 15:27 04/21/22 03:41 Oll Range Organics (Over 241 50.0 mg/Kg 04/20/22 15:27 04/21/22 03:41 C28-C36) Surrogate %Recovery Qualifier Limits Prepared Analyzed I 1-Chloroactane 144 51+ 70-130 04/20/22 15:27 04/21/22 03:41 04/20/22 15:27 04/21/22 03:41 Nethod: 300.0 - Anions, Ion Chromatography - Soluble mg/Kg MDL Unit D Prepared Analyzed M Analyte Result Qualifier RL MDL Unit D Prepared 04/28/22 06:56 M Iterbold: 28	Method: 8015 NM - Diesel Rar	ige Organic	s (DRO) (G	SC)						
Method: 8015B Mot Vist Mot	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Result Qualifier RL MDL Unit D Prepared Analyzed I Gasoline Range Organics 51.7 50.0 mg/Kg 04/20/22 15:27 04/21/22 03:41 04/21/22 03:41 Diesel Range Organics (Over 1470 50.0 mg/Kg 04/20/22 15:27 04/21/22 03:41 OII Range Organics (Over 241 50.0 mg/Kg 04/20/22 15:27 04/21/22 03:41 Surrogate %Recovery Qualifier Limits 04/20/22 15:27 04/21/22 03:41 1-Chlorooctane 144 \$1+ 70-130 mg/Kg 04/20/22 15:27 04/21/22 03:41 Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier RL MDL Unit D Prepared Analyzed I Chloride 288 5.00 mg/Kg D Prepared Analyzed I Chloride 288 5.00 mg/Kg D Prepared Analyzed I Chloride 288 5.00 mg/Kg	Total TPH	1760		50.0		mg/Kg			04/21/22 09:38	1
Gasoline Range Organics 51.7 50.0 mg/Kg 04/20/22 15:27 04/21/22 03:41 (GRO)-C6-C10 Diesel Range Organics (Over 1470 50.0 mg/Kg 04/20/22 15:27 04/21/22 03:41 C10-C28) OII Range Organics (Over 241 50.0 mg/Kg 04/20/22 15:27 04/21/22 03:41 Surrogate %Recovery Qualifier Limits 0.1 0.1 0.1/20/22 15:27 0.1/21/22 03:41 1-Chlorooctane 144 \$1+ 70.130 0.1/20/22 15:27 0.1/21/22 03:41 0.1/21/22 03:41 Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier RL MDL Unit D Prepared Analyzed I Chloride 288 5.00 mg/Kg D Prepared Analyzed I Chloride 288 5.00 mg/Kg D Prepared Analyzed I Chloride 288 5.00 mg/Kg D Prepared Analyzed I Chloride 04/18/22 10:10	Method: 8015B NM - Diesel Ra	ange Organ	ics (DRO)	(GC)						
GRO)-C6-C10 mg/Kg 04/20/22 15:27 04/21/22 03:41 Diesel Range Organics (Over C10-C28) 241 50.0 mg/Kg 04/20/22 15:27 04/21/22 03:41 OII Range Organics (Over C28-C36) 241 50.0 mg/Kg 04/20/22 15:27 04/21/22 03:41 Surrogate 1-Chlorooctane o-Terphenyl %Recovery 144 Qualifier S1+ Limits 70.130 Prepared 04/20/22 15:27 Analyzed 04/21/22 03:41 Malyzed 04/20/22 15:27 Malyzed 04/21/22 03:41 Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result 288 Qualifier 5.00 RL mg/Kg MDL mg/Kg Unit mg/Kg P Prepared 04/28/22 06:56 Analyzed 04/28/22 06:56 Malyzed 04/28/22 10:10 Matrix: 1 ate Collected: 04/18/22 10:10 ate Received: 04/19/22 13:33 ample Depth: 2 Matrix: 1 Matrix: 1 Matrix: 1	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C28) Oil Range Organics (Over 241 50.0 mg/Kg 04/20/22 15:27 04/21/22 03:41 C28-C36) Surrogate %Recovery Qualifier Limits Prepared Analyzed I 1-Chlorooctane 144 \$1+ 70-130 04/20/22 15:27 04/21/22 03:41 I 0-Terphenyl 157 \$1+ 70-130 04/20/22 15:27 04/21/22 03:41 I Method: 300.0 - Anions, Ion Chromatography - Soluble MDL Unit D Prepared Analyzed I Analyte Result Qualifier RL MDL Unit D Prepared Analyzed I Chloride 288 5.00 mg/Kg D Prepared Analyzed I Ilient Sample ID: PH01 288 5.00 mg/Kg D Prepared Analyzed I ate Collected: 04/18/22 10:10 Matrix: Matrix: <t< td=""><td></td><td>51.7</td><td></td><td>50.0</td><td></td><td>mg/Kg</td><td></td><td>04/20/22 15:27</td><td>04/21/22 03:41</td><td></td></t<>		51.7		50.0		mg/Kg		04/20/22 15:27	04/21/22 03:41	
Oll Range Organics (Over C28-C36) 241 50.0 mg/Kg 04/20/22 15:27 04/21/22 03:41 Surrogate 1-Chlorooctane 0-Terphenyl %Recovery 144 Qualifier 51+ Limits 70-130 Prepared 04/20/22 15:27 Analyzed 04/21/22 03:41 I Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result 288 Qualifier 5.00 RL 5.00 MDL mg/Kg Unit mg/Kg D Prepared 04/28/22 06:56 Analyzed 04/28/22 06:56 I Ilient Sample ID: PH01 ate Collected: 04/18/22 10:10 ate Received: 04/19/22 13:33 ample Depth: 2 Lab Sample ID: 890-22 Method: 8021B - Volatile Organic Compounds (GC) MDL Unit mg/Kg D Prepared 04/28/22 06:56 Matrix: 4		1470		50.0		mg/Kg		04/20/22 15:27	04/21/22 03:41	
1-Chlorooctane 144 \$1+ 70 - 130 04/20/22 15:27 04/21/22 03:41 0-Terphenyl 157 \$1+ 70 - 130 04/20/22 15:27 04/21/22 03:41 Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Image: Chloride 04/28/22 06:56 Image: Chloride 1/28/22 06:56 Image: Chloride Image: Chloride 1/28/22 06:56 Image: Chloride 1/28/22 06:56 Image: Chloride Image: Chloride 1/28/22 06:56 Image: Chloride 1/28/22 06:56 Image: Chloride Image: Chloride 1/28/22 06:56 Image: Chloride 1/28/22 06:56 Image: Chloride Image: Chloride 1/28/22 06:56 Image: Chloride 1/28/22 06:56 Image: Chloride Image: Chloride 1/28/22 06:56 Image: Chloride 1/28/22 06:56 Image: Chloride Image: Chloride 1/28/22 10:10 Image: Chloride <t< td=""><td>Oll Range Organics (Over</td><td>241</td><td></td><td>50.0</td><td></td><td>mg/Kg</td><td></td><td>04/20/22 15:27</td><td>04/21/22 03:41</td><td></td></t<>	Oll Range Organics (Over	241		50.0		mg/Kg		04/20/22 15:27	04/21/22 03:41	
De-Terphenyl 157 S1+ 70-130 04/20/22 15:27 04/21/22 03:41 Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Image: Chloride 288 5.00 mg/Kg D Prepared Analyzed Image: Chloride Image:	Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D Prepared Analyzed I Chloride 288 5.00 MDL Unit D Prepared Analyzed I Chloride 288 5.00 MDL Unit D Prepared Analyzed I Chloride 288 5.00 Mg/Kg D Prepared Analyzed I Lab Sample ID: PH01 Lab Sample ID: 890-22 Matrix: Matrix: Matrix: Matrix: ate Received: 04/18/22 10:10 Matrix: Matrix: Matrix: Matrix: Matrix: Method: 8021B - Volatile Organic Compounds (GC) Method: 60C) Matrix Matrix Matrix	1-Chlorooctane	144	S1+	70 - 130				04/20/22 15:27	04/21/22 03:41	
Analyte Result Qualifier RL MDL Unit D Prepared Analyzed I Chloride 288 5.00 5.00 mg/Kg D Prepared Analyzed I Chloride 288 5.00 5.00 mg/Kg D Prepared Analyzed I Chloride 288 5.00 5.00 mg/Kg D Prepared Analyzed I Chloride 10 288 5.00 mg/Kg D Lab Sample ID: 890-22 Ate Collected: 04/18/22 10:10 Matrix: Matrix: Matrix: ate Received: 04/19/22 13:33 Matrix: Matrix: Matrix: Method: 8021B - Volatile Organic Compounds (GC) GC) Matrix: Matrix: Matrix:	o-Terphenyl	157	S1+	70 - 130				04/20/22 15:27	04/21/22 03:41	1
Chloride 288 5.00 mg/Kg 04/28/22 06:56 Chloride 04/28/22 06:56 04/28/22 06:56 04/28/22 06:56 Chloride Lab Sample ID: 890-22 Lab Sample ID: 890-22 ate Collected: 04/18/22 10:10 Matrix: 3 ate Received: 04/19/22 13:33 Matrix: 3 ample Depth: 2 Method: 8021B - Volatile Organic Compounds (GC)	Method: 300.0 - Anions, Ion C	hromatogra	iphy - Solu	ble						
Lab Sample ID: PH01 Lab Sample ID: 890-22 ate Collected: 04/18/22 10:10 Matrix: ate Received: 04/19/22 13:33 Matrix: ample Depth: 2 Method: 8021B - Volatile Organic Compounds (GC)	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
ate Collected: 04/18/22 10:10 Matrix: ate Received: 04/19/22 13:33 ample Depth: 2 Method: 8021B - Volatile Organic Compounds (GC)	Chloride	288		5.00		mg/Kg			04/28/22 06:56	1
ate Received: 04/19/22 13:33 ample Depth: 2 Method: 8021B - Volatile Organic Compounds (GC)	lient Sample ID: PH01							Lab Samp	le ID: 890-2	205-3
	ate Received: 04/19/22 13:33								Matrix	: Solid
Anaivie – Kesuit Guaimer KL MDL Unit D Prenareo Anaivzen i	Method: 8021B - Volatile Orga Analyte			RL	MDI	Unit	D	Prepared	Analyzed	Dil Fa

Benzene <0.00200 U 0.00200 04/29/22 09:22 04/29/22 17:23 mg/Kg 1 Toluene <0.00200 U 0.00200 mg/Kg 04/29/22 09:22 04/29/22 17:23 1 Ethylbenzene <0.00200 U 0.00200 mg/Kg 04/29/22 09:22 04/29/22 17:23 1 m-Xylene & p-Xylene <0.00399 U 0.00399 mg/Kg 04/29/22 09:22 04/29/22 17:23 1 o-Xylene <0.00200 U 0.00200 mg/Kg 04/29/22 09:22 04/29/22 17:23 1 Xylenes, Total <0.00399 U 0.00399 mg/Kg 04/29/22 09:22 04/29/22 17:23 1 Surrogate %Recovery Qualifier Limits Prepared Dil Fac Analyzed 4-Bromofluorobenzene (Surr) 04/29/22 09:22 04/29/22 17:23 104 70 - 130 1 95 1,4-Difluorobenzene (Surr) 70 - 130 04/29/22 09:22 04/29/22 17:23 1 Method: Total BTEX - Total BTEX Calculation Analyte Result Qualifier MDL Unit RL D Prepared Analyzed Dil Fac <0.00399 U Total BTEX 0.00399 mg/Kg 04/28/22 11:55 1

Eurofins Carlsbad

. 800.0004.0

Matrix: Solid

Job ID: 890-2204-2 SDG: 03A198701

Matrix: Solid

Lab Sample ID: 890-2205-3

Client Sample ID: PH01 Date Collected: 04/18/22 10:10 Date Received: 04/19/22 13:33

Project/Site: Pecos Fed 1Y

Sample Depth: 2

Client: Ensolum

Method: 8015 NM - Diesel Ra Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1010		50.0		mg/Kg			04/21/22 09:38	
Method: 8015B NM - Diesel I	Rango Organ		(6C)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<50.0		50.0		mg/Kg		04/20/22 15:27	04/21/22 04:02	
(GRO)-C6-C10					5 5				
Diesel Range Organics (Over	786		50.0		mg/Kg		04/20/22 15:27	04/21/22 04:02	
C10-C28)	004		50.0		m a /l a		04/20/22 45:27	04/01/00 04:00	
Oll Range Organics (Over C28-C36)	221		50.0		mg/Kg		04/20/22 15:27	04/21/22 04:02	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	•	S1+	70 - 130				-	04/21/22 04:02	Dirra
o-Terphenyl		S1+	70 - 130					04/21/22 04:02	
· · · · · · · · · · · · · · · · · · ·									
Method: 300.0 - Anions, Ion									
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	258		4.95		mg/Kg			04/28/22 07:02	
ample Depth: 3									
Method: 8021B - Volatile Orç Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00199	U	0.00199		mg/Kg			04/29/22 17:43	
Toluene	<0.00199	U	0.00199		mg/Kg		04/29/22 09:22	04/29/22 17:43	
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/29/22 09:22	04/29/22 17:43	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/29/22 09:22	04/29/22 17:43	
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/29/22 09:22	04/29/22 17:43	
Xylenes, Total	.0.0000							0 4 100 100 47 40	
	<0.00398	U	0.00398		mg/Kg		04/29/22 09:22	04/29/22 17:43	
Surrogate	<0.00398 %Recovery		0.00398 <i>Limits</i>		mg/Kg		04/29/22 09:22 Prepared	04/29/22 17:43 Analyzed	
Surrogate 4-Bromofluorobenzene (Surr)					mg/Kg		Prepared		Dil Fa
· · · · · · · · · · · · · · · · · · ·	%Recovery		Limits		mg/Kg		Prepared 04/29/22 09:22	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)		Qualifier	Limits 70 - 130 70 - 130		mg/Kg		Prepared 04/29/22 09:22	Analyzed 04/29/22 17:43	Dil Fa
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total E Analyte	<u>%Recovery</u> 106 102 BTEX Calcula Result	Qualifier	<u>Limits</u> 70 - 130 70 - 130 RL	MDL	Unit	D	Prepared 04/29/22 09:22	Analyzed 04/29/22 17:43 04/29/22 17:43 Analyzed	Dil Fa
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total E Analyte	<u>%Recovery</u> 106 102 BTEX Calcula	Qualifier	Limits 70 - 130 70 - 130	MDL		D	Prepared 04/29/22 09:22 04/29/22 09:22	Analyzed 04/29/22 17:43 04/29/22 17:43	Dil Fa
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total E Analyte Total BTEX Method: 8015 NM - Diesel Ra	<u>%Recovery</u> 106 102 BTEX Calcula Result <0.00398 ange Organic	Qualifier tion Qualifier U s (DRO) (Q	Limits 70 - 130 70 - 130 RL 0.00398		Unit mg/Kg		Prepared 04/29/22 09:22 04/29/22 09:22 Prepared	Analyzed 04/29/22 17:43 04/29/22 17:43 Analyzed 04/28/22 11:55	Dil Fa
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total E Analyte Total BTEX Method: 8015 NM - Diesel Ra Analyte	<u>%Recovery</u> 106 102 BTEX Calcula Result <0.00398 ange Organic Result	Qualifier tion Qualifier U	<u>Limits</u> 70 - 130 70 - 130 RL 0.00398 GC) RL	MDL	Unit mg/Kg Unit	D	Prepared 04/29/22 09:22 04/29/22 09:22	Analyzed 04/29/22 17:43 04/29/22 17:43 Analyzed 04/28/22 11:55 Analyzed	Dil Fa
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total E Analyte Total BTEX Method: 8015 NM - Diesel Ra Analyte	<u>%Recovery</u> 106 102 BTEX Calcula Result <0.00398 ange Organic	Qualifier tion Qualifier U s (DRO) (Q	Limits 70 - 130 70 - 130 RL 0.00398		Unit mg/Kg		Prepared 04/29/22 09:22 04/29/22 09:22 Prepared	Analyzed 04/29/22 17:43 04/29/22 17:43 Analyzed 04/28/22 11:55	Dil Fa
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total E Analyte Total BTEX Method: 8015 NM - Diesel Ra Analyte Total TPH Method: 8015B NM - Diesel I	Arr State St	Qualifier tion Qualifier U s (DRO) (Q Qualifier	<u>Limits</u> 70 - 130 70 - 130 .0.00398 - 	MDL	Unit mg/Kg Unit mg/Kg	D	Prepared 04/29/22 09:22 04/29/22 09:22 Prepared Prepared	Analyzed 04/29/22 17:43 04/29/22 17:43 Analyzed 04/28/22 11:55 Analyzed 04/21/22 09:38	Dil Fa
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total E Analyte Total BTEX Method: 8015 NM - Diesel Ra Analyte Total TPH Method: 8015B NM - Diesel I Analyte	<u>%Recovery</u> 106 102 BTEX Calcula BTEX Calcula Control Result	Qualifier Qualifier U s (DRO) (Q Qualifier ics (DRO) Qualifier	<u>Limits</u> 70 - 130 70 - 130 RL 0.00398 C) RL 50.0 (GC) RL	MDL	Unit mg/Kg Unit mg/Kg Unit		Prepared 04/29/22 09:22 04/29/22 09:22 Prepared Prepared Prepared	Analyzed 04/29/22 17:43 04/29/22 17:43 Analyzed 04/28/22 11:55 Analyzed 04/21/22 09:38 Analyzed	Dil Fa Dil Fa Dil Fa
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr)	Arr State St	Qualifier Qualifier U s (DRO) (Q Qualifier ics (DRO) Qualifier	<u>Limits</u> 70 - 130 70 - 130 .0.00398 - 	MDL	Unit mg/Kg Unit mg/Kg	D	Prepared 04/29/22 09:22 04/29/22 09:22 Prepared Prepared	Analyzed 04/29/22 17:43 04/29/22 17:43 Analyzed 04/28/22 11:55 Analyzed 04/21/22 09:38	Dil Fa

Released to Imaging: 9/20/2022 11:04:35 AM

C10-C28)

5/19/2022 (Rev. 1)

Dil Fac

Dil Fac

Dil Fac

Matrix: Solid

1

1

Client	Sample	Results
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RL

50.0

Limits

70 - 130

70 - 130

RL

4.99

MDL Unit

MDL Unit

mg/Kg

mg/Kg

Job ID: 890-2204-2 SDG: 03A198701

Client Sample ID: PH01 Date Collected: 04/18/22 15:45 Date Received: 04/19/22 13:33

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

Method: 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

554

%Recovery Qualifier

143 S1+

152 S1+

Result Qualifier

779

Project/Site: Pecos Fed 1Y

Oll Range Organics (Over

Client: Ensolum

Sample Depth: 3

Analyte

C28-C36) Surrogate

1-Chlorooctane

o-Terphenyl

Analyte

Chloride

Lab Sample ID: 890-2205-4

Analyzed

Analyzed

Analyzed

04/28/22 07:09

Lab Sample ID: 890-2205-5

04/20/22 15:27 04/21/22 04:22

04/20/22 15:27 04/21/22 04:22

04/20/22 15:27 04/21/22 04:22

Prepared

Prepared

Prepared

D

D

Matrix: Solid

Client Sample ID: PH02 Date Collected: 04/18/22 10:20

Date Received: 04/19/22 13:33 Sample Denth: 0.5

Method: 8021B - Volatile Orga	anic Compo	unds (GC)							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00200	U	0.00200		mg/Kg		04/29/22 09:22	04/29/22 18:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/29/22 09:22	04/29/22 18:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/29/22 09:22	04/29/22 18:04	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/29/22 09:22	04/29/22 18:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/29/22 09:22	04/29/22 18:04	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/29/22 09:22	04/29/22 18:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				04/29/22 09:22	04/29/22 18:04	1
1,4-Difluorobenzene (Surr)	97		70 - 130				04/29/22 09:22	04/29/22 18:04	1
Method: Total BTEX - Total B	TEX Calcula	tion							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			04/28/22 11:55	1
Method: 8015 NM - Diesel Rai Analyte	Result	Qualifier		MDL		D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/21/22 09:38	1
Method: 8015B NM - Diesel R	ange Organ	ics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/20/22 15:27	04/21/22 00:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/20/22 15:27	04/21/22 00:18	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/20/22 15:27	04/21/22 00:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130				04/20/22 15:27	04/21/22 00:18	1
o-Terphenyl	156	S1+	70 - 130				04/20/22 15:27	04/21/22 00:18	1
Method: 300.0 - Anions, Ion C	Chromatogra	· ·	ıble						
							Dueweweet	A second second second	DUE
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed 04/28/22 07:28	Dil Fac

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Released to Imaging: 9/20/2022 11:04:35 AM

5/19/2022 (Rev. 1)

Job ID: 890-2204-2 SDG: 03A198701

Project/Site: Pecos Fed 1Y **Client Sample ID: PH02** Date Collected: 04/18/22 10:25

Client: Ensolum

Lab Sample ID: 890-2205-6

Matrix: Solid

Date Received: 04/19/22 13:33 Sample Depth: 1

Method: 8021B - Volatile Orga Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200		0.00200		mg/Kg		04/29/22 09:22		1
Toluene	<0.00200		0.00200		mg/Kg			04/29/22 18:25	1
Ethylbenzene	<0.00200		0.00200		mg/Kg			04/29/22 18:25	1
m-Xylene & p-Xylene	<0.00200		0.00200		mg/Kg			04/29/22 18:25	' · · · · · · 1
o-Xylene	<0.00401		0.00200		mg/Kg			04/29/22 18:25	1
Xylenes, Total	<0.00200		0.00401		mg/Kg			04/29/22 18:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				04/29/22 09:22		1
1,4-Difluorobenzene (Surr)	93		70 - 130				04/29/22 09:22	04/29/22 18:25	1
Method: Total BTEX - Total BT	TEX Calcula	tion							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			04/28/22 11:55	1
Method: 8015 NM - Diesel Ran							_	-	
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/21/22 09:38	1
Method: 8015B NM - Diesel Ra			· · ·				_		
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/20/22 15:27	04/21/22 00:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/20/22 15:27	04/21/22 00:38	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/20/22 15:27	04/21/22 00:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130					04/21/22 00:38	1
o-Terphenyl	151	S1+	70 - 130				04/20/22 15:27	04/21/22 00:38	1
Method: 300.0 - Anions, Ion C					11	-	Drenerad	Amelian	
Analyte		Qualifier		MDL		D	Prepared	Analyzed	Dil Fac
Chloride	156		5.04		mg/Kg			04/28/22 07:34	1
Client Sample ID: PH02 Date Collected: 04/18/22 10:30							Lab Samp	le ID: 890-2 Matrix	205-7 :: Solid
ate Received: 04/19/22 13:33								Wath	
Sample Depth: 2									
Method: 8021B - Volatile Orga		unds (GC) Qualifier	RL	MDL	Upit	D	Prepared	Analyzad	Dil Fac
Analyte Benzene	<0.00199		0.00199		mg/Kg		04/29/22 09:22	Analyzed 04/29/22 18:45	1 DII Fac
Toluene	<0.00199		0.00199		mg/Kg mg/Kg			04/29/22 18:45	1
Ethylbenzene	<0.00199		0.00199		mg/Kg			04/29/22 18:45	1
m-Xylene & p-Xylene	<0.00199		0.00398					04/29/22 18:45	
			0.00398		mg/Kg				1
o-Xylene Xylenes, Total	<0.00199 <0.00398		0.00199 0.00398		mg/Kg mg/Kg			04/29/22 18:45 04/29/22 18:45	1
Surrogate	%Recovery	Qualifier	Limits		-		Prepared	Analyzed	Dil Fac
	/oncecovery	quainer							

Prepared	Analyzed	Dil
04/29/22 09:22	04/29/22 18:45	

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4-Bromofluorobenzene (Surr)

70 - 130

Job ID: 890-2204-2 SDG: 03A198701

Matrix: Solid

Lab Sample ID: 890-2205-7

04/20/22 15:27 04/21/22 00:58

04/20/22 15:27 04/21/22 00:58

Lab Sample ID: 890-2205-8

Client Sample ID: PH02 Date Collected: 04/18/22 10:30

Project/Site: Pecos Fed 1Y

Client: Ensolum

Date Received: 04/19/22 13:33

Sample Depth: 2									
Method: 8021B - Volatile Orga	anic Compo	unds (GC)	(Continued)						
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	93		70 - 130				04/29/22 09:22	04/29/22 18:45	1
_ Method: Total BTEX - Total B	TEX Calcula	tion							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/28/22 11:55	1
_ Method: 8015 NM - Diesel Rai	nge Organic	s (DRO) ((GC)						
Analyte		Qualifier	, RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/21/22 09:38	1
_ Method: 8015B NM - Diesel R	ange Organ	ics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/20/22 15:27	04/21/22 00:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/20/22 15:27	04/21/22 00:58	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/20/22 15:27	04/21/22 00:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte **Result Qualifier** RL MDL Unit D Prepared Analyzed Chloride 116 4.96 04/28/22 07:40 mg/Kg

70 - 130

70 - 130

123

153 S1+

Client Sample ID: PH03 Date Collected: 04/18/22 10:45 Date Received: 04/19/22 13:33

1-Chlorooctane

o-Terphenyl

Sample Depth: 0.5 Method: 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL MDL Unit D Prepared Dil Fac Analyzed Benzene <0.00199 U 0.00199 mg/Kg 04/29/22 09:22 04/29/22 19:06 Toluene <0.00199 U 0.00199 mg/Kg 04/29/22 09:22 04/29/22 19:06 Ethylbenzene <0.00199 U 0.00199 mg/Kg 04/29/22 09:22 04/29/22 19:06 m-Xylene & p-Xylene 0.00398 04/29/22 09:22 04/29/22 19:06 <0.00398 U mg/Kg o-Xylene <0.00199 U 0.00199 mg/Kg 04/29/22 09:22 04/29/22 19:06 Xylenes, Total <0.00398 U 0.00398 mg/Kg 04/29/22 09:22 04/29/22 19:06 %Recovery Surrogate Qualifier Limits Prepared Dil Fac Analvzed 70 - 130 04/29/22 09:22 04/29/22 19:06 4-Bromofluorobenzene (Surr) 107 1,4-Difluorobenzene (Surr) 97 70 - 130 04/29/22 09:22 04/29/22 19:06 Method: Total BTEX - Total BTEX Calculation Analvte **Result Qualifier** RL MDL Unit D Analyzed Dil Fac Prepared Total BTEX <0.00398 U 0.00398 04/28/22 11:55 mg/Kg Method: 8015 NM - Diesel Range Organics (DRO) (GC) Analyte **Result Qualifier** RL MDL Unit D Prepared Analyzed Dil Fac Total TPH <49.9 U 49.9 mg/Kg 04/21/22 09:38

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Dil Fac

Matrix: Solid

Client: Ensolum Project/Site: Pecos Fed 1Y

Client Sample ID: PH03

Date Collected: 04/18/22 10:45 Date Received: 04/19/22 13:33

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/20/22 15:27	04/21/22 01:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/20/22 15:27	04/21/22 01:19	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/20/22 15:27	04/21/22 01:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130				04/20/22 15:27	04/21/22 01:19	1
o-Terphenyl	150	S1+	70 - 130				04/20/22 15:27	04/21/22 01:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.6		5.01		mg/Kg			04/28/22 07:47	1

Client Sample ID: PH03

Date Collected: 04/18/22 10:50 Date Received: 04/19/22 13:33 Sample Depth: 1

Method: 8021B - Volatile O	rganic Compo	unds (GC))						
Analyte	-	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/29/22 09:22	04/29/22 19:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/29/22 09:22	04/29/22 19:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/29/22 09:22	04/29/22 19:26	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/29/22 09:22	04/29/22 19:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/29/22 09:22	04/29/22 19:26	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/29/22 09:22	04/29/22 19:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				04/29/22 09:22	04/29/22 19:26	1
1,4-Difluorobenzene (Surr)	96		70 - 130				04/29/22 09:22	04/29/22 19:26	1
Method: Total BTEX - Total Analyte	Result	Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399		0.00399	WIDL	mg/Kg		Frepareu	04/28/22 11:55	1 Dil Fac
Method: 8015 NM - Diesel I Analyte	Result	Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/21/22 09:38	1
Method: 8015B NM - Diese	I Range Organ	ics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		04/20/22 15:27	04/21/22 01:39	1
(GRO)-C6-C10									

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Job ID: 890-2204-2 SDG: 03A198701

Lab Sample ID: 890-2205-8 Matrix: Solid

Lab Sample ID: 890-2205-9

Matrix: Solid
		Client	Sample I	Result	ts			-	-
Client: Ensolum			•					Job ID: 890-	-2204-2
Project/Site: Pecos Fed 1Y								SDG: 03A	
Client Sample ID: PH03 Date Collected: 04/18/22 10:50 Date Received: 04/19/22 13:33 Sample Depth: 1									
Method: 300.0 - Anions, Ion C Analyte		i <mark>phy - Solu</mark> Qualifier	ble RL	MDL	Unit	D	Broparad	Applyzod	Dil Fac
Chloride	6.41	Quaimer	4.97	MDL	mg/Kg	<u></u>	Prepared	Analyzed 04/28/22 07:53	1
L_ 					0 0				05.40
Client Sample ID: PH04 Date Collected: 04/18/22 11:00 Date Received: 04/19/22 13:33 Sample Depth: 0.5							ab Sample	e ID: 890-22 Matrix	c: Solid
Method: 8021B - Volatile Orga	anic Compo	unds (GC)							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *+	0.00199		mg/Kg		04/23/22 12:31	04/27/22 19:41	1
Toluene	<0.00199	U *+	0.00199		mg/Kg		04/23/22 12:31	04/27/22 19:41	1
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		04/23/22 12:31	04/27/22 19:41	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		04/23/22 12:31	04/27/22 19:41	1
o-Xylene	<0.00199		0.00199		mg/Kg		04/23/22 12:31		1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		04/23/22 12:31	04/27/22 19:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				04/23/22 12:31	04/27/22 19:41	1
1,4-Difluorobenzene (Surr)	104		70 - 130				04/23/22 12:31	04/27/22 19:41	1
Method: Total BTEX - Total B	TEX Calcula	tion							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	·	0.00398		mg/Kg			04/28/22 11:55	1
Method: 8015 NM - Diesel Rai Analyte		S (DRO) (G Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9		49.9		mg/Kg		Flepaleu	04/21/22 09:38	
	\49.9	U	49.9		mg/Kg			04/21/22 09.36	I
Method: 8015B NM - Diesel R	ange Organ	ics (DRO) ((GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/20/22 15:27	04/21/22 02:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/20/22 15:27	04/21/22 02:00	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/20/22 15:27	04/21/22 02:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130					04/21/22 02:00	1
o-Terphenyl	147	S1+	70 - 130				04/20/22 15:27	04/21/22 02:00	1
Method: 300.0 - Anions, Ion C	hromatogra	nhy - Solu	blo						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.97		4.97		mg/Kg	— -		04/28/22 07:59	1
		-						O, _ L O, .00	•

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Surrogate Summary

Client: Ensolum Project/Site: Pecos Fed 1Y

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

			Per	cent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-13981-A-14-D MS	Matrix Spike	95	102	
880-13981-A-14-E MSD	Matrix Spike Duplicate	97	102	
880-14236-A-41-D MS	Matrix Spike	103	97	
880-14236-A-41-E MSD	Matrix Spike Duplicate	105	99	
890-2204-11	PH04	107	94	
890-2204-12	PH05	104	92	
890-2204-13	PH05	109	98	
890-2204-14	PH06	109	95	
890-2204-15	PH06	120	105	
890-2205-1	PH01	102	83	
890-2205-2	PH01	106	97	
890-2205-3	PH01	104	95	
890-2205-4	PH01	106	102	
890-2205-5	PH02	104	97	
890-2205-6	PH02	106	93	
890-2205-7	PH02	103	93	
890-2205-8	PH03	107	97	
890-2205-9	PH03	106	96	
890-2205-10	PH04	99	104	
LCS 880-24099/1-A	Lab Control Sample	100	103	
LCS 880-24483/1-A	Lab Control Sample	100	98	
LCSD 880-24099/2-A	Lab Control Sample Dup	95	104	
LCSD 880-24483/2-A	Lab Control Sample Dup	104	100	
MB 880-24099/5-A	Method Blank	97	102	
MB 880-24483/5-A	Method Blank	100	93	
Surrogato Logond				

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Prep Type: Total/NA

			Perce	nt Surrogate Recover
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-2203-A-1-C MS	Matrix Spike	122	132 S1+	
890-2203-A-1-D MSD	Matrix Spike Duplicate	122	133 S1+	
890-2204-11	PH04	85	98	
890-2204-12	PH05	93	102	
890-2204-13	PH05	88	101	
890-2204-14	PH06	88	93	
890-2204-15	PH06	88	100	
890-2205-1	PH01	136 S1+	152 S1+	
890-2205-2	PH01	144 S1+	157 S1+	
890-2205-3	PH01	134 S1+	145 S1+	
890-2205-4	PH01	143 S1+	152 S1+	
890-2205-5	PH02	125	156 S1+	
890-2205-6	PH02	122	151 S1+	
890-2205-7	PH02	123	153 S1+	

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Job ID: 890-2204-2 SDG: 03A198701

Prep Type: Total/NA

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atrix: Solid	M - Diesel Range Org			Prep Type: Total/NA	
				t Surrogate Recovery (Acceptance Limits)	
		1001	OTPH1		ŝ
ab Sample ID 90-2205-8	Client Sample ID	(70-130)	(70-130) 150 S1+		
90-2205-8 90-2205-9	PH03 PH03	124 124	150 S1+ 154 S1+		ĥ
90-2205-9	PH04	124	147 S1+		
CS 880-23857/2-A	Lab Control Sample	120	131 S1+		
CSD 880-23857/3-A	Lab Control Sample Dup	145 S1+	161 S1+		
IB 880-23857/1-A	Method Blank	116	146 S1+		j
Surrogate Legend					
1CO = 1-Chlorooctane	3				
OTPH = o-Terphenyl					

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Prep Type: Total/NA

Prep Type: Total/NA Prep Batch: 24099

Prep Type: Total/NA

Prep Batch: 24099

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Client: Ensolum Project/Site: Pecos Fed 1Y

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-24099/5-A **Matrix: Solid** Analysis Batch: 24304

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/23/22 12:31	04/27/22 14:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/23/22 12:31	04/27/22 14:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/23/22 12:31	04/27/22 14:18	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/23/22 12:31	04/27/22 14:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/23/22 12:31	04/27/22 14:18	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/23/22 12:31	04/27/22 14:18	1
	MB	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				04/23/22 12:31	04/27/22 14:18	1
1,4-Difluorobenzene (Surr)	102		70 - 130				04/23/22 12:31	04/27/22 14:18	1

Lab Sample ID: LCS 880-24099/1-A Matrix: Solid Analysis Batch: 24304

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1350	*+	mg/Kg		135	70 - 130	
Toluene	0.100	0.1526	*+	mg/Kg		153	70 - 130	
Ethylbenzene	0.100	0.1429	*+	mg/Kg		143	70 - 130	
m-Xylene & p-Xylene	0.200	0.2927	*+	mg/Kg		146	70 - 130	
o-Xylene	0.100	0.1348	*+	mg/Kg		135	70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-24099/2-A Matrix: Solid

Analysis Batch: 24304

Analysis Batch: 24304							Prep E	-	
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1185		mg/Kg		119	70 - 130	13	35
Toluene	0.100	0.1276		mg/Kg		128	70 - 130	18	35
Ethylbenzene	0.100	0.1177		mg/Kg		118	70 - 130	19	35
m-Xylene & p-Xylene	0.200	0.2405		mg/Kg		120	70 - 130	20	35
o-Xylene	0.100	0.1119		mg/Kg		112	70 - 130	19	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 880-13981-A-14-D MS Matrix: Solid

Matrix: Solid Analysis Batch: 24304										pe: Total/NA Batch: 24099
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U *+	0.0996	0.08276		mg/Kg		83	70 - 130	
Toluene	<0.00200	U *+	0.0996	0.09680		mg/Kg		96	70 - 130	

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Client Sample ID: Matrix Spike

Released to Imaging: 9/20/2022 11:04:35 AM

Client: Ensolum

Project/Site: Pecos Fed 1Y

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

Lab Sample ID: 880-1398 Matrix: Solid	31-A-14-D MS	;					CI	ient Sa	mple ID: I Prep Ty		
Analysis Batch: 24304									Prep E	atch:	24099
-	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Ethylbenzene	< 0.00200	U *+	0.0996	0.1039		mg/Kg		103	70 - 130		
m-Xylene & p-Xylene	<0.00399	U *+	0.199	0.2056		mg/Kg		102	70 - 130		
o-Xylene	<0.00200	U *+	0.0996	0.1009		mg/Kg		99	70 - 130		
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	95		70 - 130								
1,4-Difluorobenzene (Surr)	102		70 - 130								
Analyta	•	Sample Qualifier	Spike Added	-	MSD Qualifier	Unit	Р	%Poc	%Rec	חפס	RPD
Analyte	•	Qualifier	Added	-	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	<u>U</u> *+	0.0994	0.08406		mg/Kg		85	70 - 130	2	35
Toluene	<0.00200	U *+	0.0994	0.1018		mg/Kg		101	70 - 130	5	35
Ethylbenzene	<0.00200	U *+	0.0994	0.1085		mg/Kg		108	70 - 130	4	3
m-Xylene & p-Xylene	<0.00399	U *+	0.199	0.2148		mg/Kg		107	70 - 130	4	35
o-Xylene	<0.00200	U *+	0.0994	0.1056		mg/Kg		104	70 - 130	4	35
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	97		70 - 130								
1,4-Difluorobenzene (Surr)	102		70 - 130								
Lab Sample ID: MB 880-2 Matrix: Solid	24483/5-A						Clie	ent Sam	ple ID: M Prep Ty Prep E	pe: Tot	tal/NA
Analysis Batch: 24523		МВ МВ							Fieh L		2440

	мв	MR							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/29/22 09:22	04/29/22 16:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/29/22 09:22	04/29/22 16:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/29/22 09:22	04/29/22 16:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/29/22 09:22	04/29/22 16:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/29/22 09:22	04/29/22 16:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/29/22 09:22	04/29/22 16:00	1
	MB	MR							
,	<0.00400	-			00				

	1110				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed
4-Bromofluorobenzene (Surr)	100		70 - 130	04/29/22 09:22	04/29/22 16:00
1,4-Difluorobenzene (Surr)	93		70 - 130	04/29/22 09:22	04/29/22 16:00

Lab Sample ID: LCS 880-24483/1-A Matrix: Solid Analysis Batch: 24523

-	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08909		mg/Kg		89	70 - 130	
Toluene	0.100	0.08931		mg/Kg		89	70 - 130	
Ethylbenzene	0.100	0.09118		mg/Kg		91	70 - 130	
m-Xylene & p-Xylene	0.200	0.1865		mg/Kg		93	70 - 130	

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Prep Type: Total/NA

Prep Batch: 24483

Client Sample ID: Lab Control Sample

Dil Fac 1 5

7

Job ID: 890-2204-2

SDG: 03A198701

Job ID: 890-2204-2 SDG: 03A198701

Client: Ensolum Project/Site: Pecos Fed 1Y

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

ab Sample ID: LCS 880	-24483/1-A					Clier	nt Sa	mple ID:	Lab Cor	ntrol Sa	mple
Matrix: Solid								-	Prep Ty	pe: Tot	al/NA
Analysis Batch: 24523										Batch: 2	24483
			Spike		LCS				%Rec		
Analyte			Added		Qualifier	Unit	D	%Rec	Limits		
o-Xylene			0.100	0.09369		mg/Kg		94	70 - 130		
	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	100		70 - 130								
1,4-Difluorobenzene (Surr)	98		70 - 130								
Lab Comula ID: LCCD 00	0.04402/0.4								Control	0	. D
Lab Sample ID: LCSD 88	U-24403/2-A					Client Sa	mpie	ID: Lab			
Matrix: Solid									Prep Ty		
Analysis Batch: 24523			Orelles	1.000	1.000					Batch: 2	
Analista			Spike		LCSD	l lmit	-	0/ D	%Rec	000	RPD
Analyte			Added		Qualifier		D	%Rec	Limits	RPD	Limit
Benzene			0.100	0.1038		mg/Kg		104	70 - 130 70 - 130	15 14	35
			0.100	0.1032		mg/Kg		103	70 - 130	14	35
Ethylbenzene			0.100	0.1069		mg/Kg		107	70 - 130	16	35
m-Xylene & p-Xylene			0.200	0.2176		mg/Kg		109	70 - 130	15	35
o-Xylene			0.100	0.1085		mg/Kg		109	70 - 130	15	35
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	104		70 - 130								
1,4-Difluorobenzene (Surr)	100		70 - 130								
Lab Sample ID: 880-1423	86-A-41-D MS						C	lient Sai	mple ID: I		
Matrix: Solid									Prep Ty		
Analysis Batch: 24523	_	_								Batch: 2	24483
	•	Sample	Spike		MS				%Rec		
Analyte		Qualifier	Added		Qualifier	Unit	D	%Rec	Limits		
Benzene	<0.00202		0.0998	0.07164		mg/Kg		72	70 - 130		
Toluene	<0.00202		0.0998	0.07241		mg/Kg		73	70 - 130		
Ethylbenzene	< 0.00202		0.0998	0.07150		mg/Kg		72	70 - 130		
m-Xylene & p-Xylene	<0.00403		0.200	0.1450		mg/Kg		73	70 - 130		
o-Xylene	<0.00202	U F1	0.0998	0.07327		mg/Kg		73	70 - 130		
	MS	MS									
Surrogate	%Recovery		Limits								
			70 - 130								
4-Bromofluorobenzene (Surr)	103		10 - 1.50								
. ,	103 97										
	103 97		70 - 130 70 - 130								
1,4-Difluorobenzene (Surr)	97	D				Client S	Samp	ole ID: M	atrix Spil	ke Dup	licate
1,4-Difluorobenzene (Surr) Lab Sample ID: 880-1423	97	D				Client S	Samp	ole ID: M	atrix Spil Prep Ty		
1,4-Difluorobenzene (Surr) Lab Sample ID: 880-1423 Matrix: Solid	97	D				Client S	Samp	ole ID: M	Prep Ty		al/NA
1,4-Difluorobenzene (Surr) Lab Sample ID: 880-1423 Matrix: Solid	97 6-A-41-E MS	D Sample		MSD	MSD	Client S	Samp	ole ID: M	Prep Ty	pe: Tot	al/NA
1,4-Difluorobenzene (Surr) Lab Sample ID: 880-1423 Matrix: Solid Analysis Batch: 24523	97 36-A-41-E MS Sample		70 - 130		MSD Qualifier	Client S	Samp D	ole ID: M %Rec	Prep Ty Prep E	pe: Tot	al/NA 24483
1,4-Difluorobenzene (Surr) Lab Sample ID: 880-1423 Matrix: Solid Analysis Batch: 24523 Analyte	97 36-A-41-E MS Sample	Sample Qualifier	70 - 130 Spike		Qualifier				Prep Ty Prep E %Rec	pe: Tot Batch: 2	al/NA 24483 RPD
1,4-Difluorobenzene (Surr) Lab Sample ID: 880-1423 Matrix: Solid Analysis Batch: 24523 Analyte Benzene	97 66-A-41-E MS Sample Result	Sample Qualifier U F1	70 - 130 Spike Added	Result	Qualifier F1	_ <mark>Unit</mark> mg/Kg		%Rec	Prep Ty Prep E %Rec Limits	pe: Tot Batch: 2 	al/NA 24483 RPD Limit
1,4-Difluorobenzene (Surr) Lab Sample ID: 880-1423 Matrix: Solid Analysis Batch: 24523 Analyte Benzene Toluene	97 86-A-41-E MS Sample <u>Result</u> <0.00202	Sample Qualifier U F1 U F1	70 - 130 Spike Added 0.100	Result 0.06616	Qualifier F1 F1	_ <mark>Unit</mark> mg/Kg mg/Kg		%Rec 66	Prep Ty Prep E %Rec Limits 70 - 130	pe: Tot Batch: 2 RPD 8	al/NA 24483 RPD Limit 35
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-1423 Matrix: Solid Analysis Batch: 24523 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	97 S6-A-41-E MS Sample <u>Result</u> <0.00202 <0.00202	Sample Qualifier U F1 U F1 U F1	70 - 130 Spike Added 0.100 0.100	Result 0.06616 0.06600	Qualifier F1 F1 F1	_ <mark>Unit</mark> mg/Kg		%Rec 66 66	Prep Ty Prep E %Rec Limits 70 - 130 70 - 130	pe: Tot Batch: 2 RPD 8 9	al/NA 24483 RPD Limit 35 35

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35

o-Xylene

<0.00202 UF1

0.06558 F1

mg/Kg

65

70 - 130

0.100

Job ID: 890-2204-2 SDG: 03A198701

Client: Ensolum Project/Site: Pecos Fed 1Y

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

Matrix: Solid Analysis Batch: 24523	A-41-E MSI	כ						Client	: Sai	mpl	le ID: Ma	Prep Ty		otal	/N/
	MSD	MSD)												
Surrogate	%Recovery	Qua	lifier	Limits											
4-Bromofluorobenzene (Surr)	105			70 - 130											
1,4-Difluorobenzene (Surr)	99			70 - 130											
lethod: 8015B NM - Die	esel Rang	je C)rganic	s (DRO) (GC)										
Lab Sample ID: MB 880-238	857/1-A								(Clie	nt Samp	ole ID: N	lethod	B	anl
Matrix: Solid												Prep Ty	/pe: To	otal	/N/
Analysis Batch: 23817												Prep	Batch:	: 23	85
-		MB	MB												
Analyte	Res	sult	Qualifier	RL		MDL	Unit		D	Pr	repared	Analy	zed	Dil	Fa
Gasoline Range Organics (GRO)-C6-C10	<5	50.0	U	50.0			mg/K	9	_ ()4/2(0/22 15:27	04/20/22	2 21:08		
Diesel Range Organics (Over C10-C28)	<5	50.0	U	50.0			mg/K	9	()4/2(0/22 15:27	04/20/22	2 21:08		
Oll Range Organics (Over C28-C36		50.0		50.0			mg/K	9	()4/2(0/22 15:27	04/20/22	2 21:08		
		MB								_					_
Surrogate			Qualifier	Limits					-		repared	Analy		Di	Fa
1-Chlorooctane		116		70 - 130							0/22 15:27				
o-Terphenyl		146	S1+	70 - 130					()4/2(0/22 15:27	04/20/22	2 21:08		
Matrix: Solid	3857/2-A							Clie	ent	San	nple ID:	Prep Ty	/pe: To	otal	/N/
Matrix: Solid Analysis Batch: 23817	3857/2-A			Spike Added		LCS Qua			ent (Prep Ty Prep %Rec		otal	/N/
Matrix: Solid Analysis Batch: 23817 ^{Analyte}	3857/2-A			Spike Added	LCS Result 848.2	Qua		Unit	ent :			Prep Ty Prep	/pe: To	otal	/N/
Matrix: Solid Analysis Batch: 23817 Analyte Gasoline Range Organics	3857/2-A			Added	Result	Qua			ent :		%Rec	Prep Ty Prep %Rec Limits	/pe: To	otal	/N/
Matrix: Solid Analysis Batch: 23817 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	3857/2-A			Added	Result	Qua		Unit	ent :		%Rec	Prep Ty Prep %Rec Limits	/pe: To	otal	/N/
Matrix: Solid Analysis Batch: 23817 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	2857/2-A	LCS		Added	Result 848.2	Qua		<mark>Unit</mark> mg/Kg	ent :		%Rec	Prep Ty Prep %Rec Limits 70 - 130	/pe: To	otal	/N/
Matrix: Solid Analysis Batch: 23817 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)				Added	Result 848.2	Qua		<mark>Unit</mark> mg/Kg	ent :		%Rec	Prep Ty Prep %Rec Limits 70 - 130	/pe: To	otal	/N/
Matrix: Solid Analysis Batch: 23817 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate	LCS			Added 1000	Result 848.2	Qua		<mark>Unit</mark> mg/Kg	ent :		%Rec	Prep Ty Prep %Rec Limits 70 - 130	/pe: To	otal	/N/
Matrix: Solid Analysis Batch: 23817 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane	LCS %Recovery	Quai		Added 1000 1000 Limits	Result 848.2	Qua		<mark>Unit</mark> mg/Kg	ent :		%Rec	Prep Ty Prep %Rec Limits 70 - 130	/pe: To	otal	/N/
Matrix: Solid Analysis Batch: 23817 Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-2	LCS %Recovery 120 131	Quai		Added 1000 1000 <i>Limits</i> 70 - 130	Result 848.2	Qua	lifier	Unit mg/Kg mg/Kg		<u>D</u>	%Rec 85 107	Prep Ty Prep %Rec Limits 70 - 130 70 - 130	ype: To Batch:	otal : 23 	/N/ 85
Matrix: Solid Analysis Batch: 23817 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-2 Matrix: Solid	LCS %Recovery 120 131	Quai		Added 1000 1000 <i>Limits</i> 70 - 130	Result 848.2	Qua	lifier	Unit mg/Kg mg/Kg		<u>D</u>	%Rec 85 107	Prep Ty Prep %Rec Limits 70 - 130 70 - 130 70 - 130	Samp	otal : 23 	/N/ 85
Matrix: Solid Analysis Batch: 23817 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-2 Matrix: Solid	LCS %Recovery 120 131	Quai		Added 1000	Result 848.2 1074	Qua	<u>lifier</u>	Unit mg/Kg mg/Kg		<u>D</u>	%Rec 85 107	Prep Ty Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 Prep Ty Prep Ty Prep	ype: To Batch:	otal : 23 ole [otal : 23	Duj /N/ /N/ 85
Matrix: Solid Analysis Batch: 23817 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-2 Matrix: Solid Analysis Batch: 23817	LCS %Recovery 120 131	Quai		Added 1000 1000 Limits 70 - 130 70 - 130 Spike	Result 848.2 1074	Qua	<u>lifier</u> C	Unit mg/Kg mg/Kg		D	%Rec 85 107	Prep Ty Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 Prep Ty Prep %Rec	Samp ype: To Samp ype: To Batch:	otal : 23 	Ou (N) 85 (N) 85 RP
Matrix: Solid Analysis Batch: 23817 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-2 Matrix: Solid Analysis Batch: 23817 Analyte	LCS %Recovery 120 131	Quai		Added 1000 1000 <i>Limits</i> 70 - 130 70 - 130 70 - 130	Result 848.2 1074 LCSD Result	Qua LCS Qua	<u>lifier</u> C	Unit mg/Kg mg/Kg		D	%Rec 85 107 ID: Lab	Prep Ty Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 Prep Ty Prep %Rec Limits	Samp /pe: To Batch: /pe: To Batch: 	ble [ble] ble] bla : 23	Du 85 /N 85 RP .im
Matrix: Solid Analysis Batch: 23817 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane p-Terphenyl Lab Sample ID: LCSD 880-2 Matrix: Solid Analysis Batch: 23817 Analyte Gasoline Range Organics (GRO)-C6-C10	LCS %Recovery 120 131	Quai		Added 1000 1000 1000 1000 1000 1000 5pike Added 1000	Result 848.2 1074 LCSD Result 897.9	Qua LCS Qua	<u>lifier</u> C	Unit mg/Kg mg/Kg Client S		D	%Rec 85 107 ID: Lab %Rec 90	Prep Ty Prep %Rec Limits 70 - 130 70 - 130 70 - 130 Control Prep Ty Prep %Rec Limits 70 - 130	Samp ype: To Batch: //pe: To Batch: // RPD	ble I otal : 23	/N. 85 0u /N. 85 RP .im 2
Matrix: Solid Analysis Batch: 23817 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-2 Matrix: Solid Analysis Batch: 23817 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	LCS %Recovery 120 131	Quai		Added 1000 1000 <i>Limits</i> 70 - 130 70 - 130 70 - 130	Result 848.2 1074 LCSD Result	Qua LCS Qua	<u>lifier</u> C	Unit mg/Kg mg/Kg		D	%Rec 85 107 ID: Lab	Prep Ty Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 Prep Ty Prep %Rec Limits	Samp /pe: To Batch: /pe: To Batch: 	ble I otal : 23	0u 85 0u (N) 85 RP .im 2
Lab Sample ID: LCS 880-23 Matrix: Solid Analysis Batch: 23817 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-3 Matrix: Solid Analysis Batch: 23817 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	LCS %Recovery 120 131	Qual S1+	lifier	Added 1000 1000 1000 1000 1000 1000 5pike Added 1000	Result 848.2 1074 LCSD Result 897.9	Qua LCS Qua	<u>lifier</u> C	Unit mg/Kg mg/Kg Client S		D	%Rec 85 107 ID: Lab %Rec 90	Prep Ty Prep %Rec Limits 70 - 130 70 - 130 70 - 130 Control Prep Ty Prep %Rec Limits 70 - 130	Samp ype: To Batch: //pe: To Batch: // RPD	ble I otal : 23	/N/ 85 Duj /N/
Matrix: Solid Analysis Batch: 23817 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-2 Matrix: Solid Analysis Batch: 23817 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	LCS %Recovery 120 131 23857/3-A	Quai S1+	lifier	Added 1000 1000 1000 1000 1000 1000 5pike Added 1000	Result 848.2 1074 LCSD Result 897.9	Qua LCS Qua	<u>lifier</u> C	Unit mg/Kg mg/Kg Client S		D	%Rec 85 107 ID: Lab %Rec 90	Prep Ty Prep %Rec Limits 70 - 130 70 - 130 70 - 130 Control Prep Ty Prep %Rec Limits 70 - 130	Samp ype: To Batch: //pe: To Batch: // RPD	ble I otal : 23	Ouj (N) (N) (N) (N) (N) (N) (N) (N) (N) (N)
Matrix: Solid Analysis Batch: 23817 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-2 Matrix: Solid Analysis Batch: 23817 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	LCS %Recovery 120 131 23857/3-A	Quai S1+	lifier	Added 1000 1000 1000 1000 <i>Limits</i> 70 - 130 70 - 130 70 - 130 1000 1000 1000	Result 848.2 1074 LCSD Result 897.9	Qua LCS Qua	<u>lifier</u> C	Unit mg/Kg mg/Kg Client S		D	%Rec 85 107 ID: Lab %Rec 90	Prep Ty Prep %Rec Limits 70 - 130 70 - 130 70 - 130 Control Prep Ty Prep %Rec Limits 70 - 130	Samp ype: To Batch: //pe: To Batch: // RPD	ble I otal : 23	0u 85 0u (N) 85 RP .im 2

Lab Sample ID: 890-2203-A-1-C MS

QC Sample Results

Client: Ensolum Project/Site: Pecos Fed 1Y

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

Matrix: Solid										Prep Ty	-	
Analysis Batch: 23817										Prep I	Batch: 2	23857
	Sample	Sam	ple	Spike	MS	MS				%Rec		
Analyte	Result	Qual	ifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U		1000	1012		mg/Kg		99	70 - 130		
Diesel Range Organics (Over C10-C28)	56.0			1000	1019		mg/Kg		96	70 - 130		
010-020)												
	MS	MS										
Surrogate	%Recovery	Qual	ifier	Limits	_							
1-Chlorooctane	122			70 - 130								
o-Terphenyl	132	S1+		70 - 130								
	A-1-D MSD						Client S	Samp	le ID: N	latrix Spi	ke Dup	licate
Matrix: Solid										Prep Ty		
Analysis Batch: 23817											Batch:	
· ·····, · · · · · · · · · · · · · · ·	Sample	Sam	ple	Spike	MSD	MSD				%Rec		RPD
Analyte	Result			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	<49.9			998	1147		mg/Kg		113	70 - 130	12	20
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	56.0			998	1026		mg/Kg		97	70 - 130	1	20
	MSD	MSD										
	10/30	1000										
Surrogata	% Pacavary	Qual		Limite								
Surrogate	%Recovery	Qual		Limits	-							
1-Chlorooctane	122			70 - 130	-							
1-Chlorooctane o-Terphenyl	122 133	S1+	ifier _	70 - 130 70 - 130	-							
1-Chlorooctane	122 133	S1+	ifier _	70 - 130 70 - 130	-							
1-Chlorooctane o-Terphenyl	122 133 5, Ion Chr o	S1+	ifier _	70 - 130 70 - 130	-			Clie	ent Sam	nple ID: N	lethod	Blank
1-Chlorooctane o-Terphenyl Method: 300.0 - Anions	122 133 5, Ion Chr o	S1+	ifier _	70 - 130 70 - 130	-			Clie	ent Sam		lethod ype: So	
1-Chlorooctane o-Terphenyl Method: 300.0 - Anions Lab Sample ID: MB 880-23	122 133 5, Ion Chr o	S1+	ifier _	70 - 130 70 - 130	-			Clie	ent Sam			
1-Chlorooctane o-Terphenyl Method: 300.0 - Anions Lab Sample ID: MB 880-23 Matrix: Solid	122 133 5, Ion Chr o	S1+	ifier tograp	70 - 130 70 - 130	-			Clie	ent Sam			
1-Chlorooctane o-Terphenyl Method: 300.0 - Anions Lab Sample ID: MB 880-23 Matrix: Solid	122 133 5, Ion Chro 3842/1-A	S1+ oma MB	ifier tograp	70 - 130 70 - 130	RL	MDL Unit			ent Sam		ype: So	
1-Chlorooctane o-Terphenyl Method: 300.0 - Anions Lab Sample ID: MB 880-23 Matrix: Solid Analysis Batch: 24345	122 133 5, Ion Chro 3842/1-A Re	S1+ oma MB	ifier tograp MB Qualifier	70 - 130 70 - 130	- RL 5.00	MDL Unit				Prep T	ype: So	oluble
1-Chlorooctane o-Terphenyl Method: 300.0 - Anions Lab Sample ID: MB 880-23 Matrix: Solid Analysis Batch: 24345 Analyte	122 133 6, Ion Chro 3842/1-A 	S1+ Oma MB	ifier tograp MB Qualifier	70 - 130 70 - 130			.g) Pi	repared	Prep T Analy 	zed 06:12	Diuble Dil Fac 1
I-Chlorooctane o-Terphenyl Method: 300.0 - Anions Lab Sample ID: MB 880-2: Matrix: Solid Analysis Batch: 24345 Analyte Chloride Lab Sample ID: LCS 880-2	122 133 6, Ion Chro 3842/1-A 	S1+ Oma MB	ifier tograp MB Qualifier	70 - 130 70 - 130			.g) Pi	repared	Prep T Analy 04/28/22 : Lab Co	zed 206:12	Dil Fac 1 ample
1-Chlorooctane o-Terphenyl Method: 300.0 - Anions Lab Sample ID: MB 880-2: Matrix: Solid Analysis Batch: 24345 Analyte Chloride Lab Sample ID: LCS 880-2 Matrix: Solid	122 133 6, Ion Chro 3842/1-A 	S1+ Oma MB	ifier tograp MB Qualifier	70 - 130 70 - 130			.g) Pi	repared	Prep T Analy 04/28/22 : Lab Co	zed 06:12	Dil Fac 1 ample
I-Chlorooctane o-Terphenyl Method: 300.0 - Anions Lab Sample ID: MB 880-2: Matrix: Solid Analysis Batch: 24345 Analyte Chloride Lab Sample ID: LCS 880-2	122 133 6, Ion Chro 3842/1-A 	S1+ Oma MB	ifier tograp MB Qualifier	70 - 130 70 - 130	5.00	mg/k	.g) Pi	repared	Prep T 	zed 206:12	Dil Fac 1 ample
1-Chlorooctane o-Terphenyl Method: 300.0 - Anions Lab Sample ID: MB 880-23 Matrix: Solid Analysis Batch: 24345 Analyte Chloride Lab Sample ID: LCS 880-2 Matrix: Solid Analysis Batch: 24345	122 133 6, Ion Chro 3842/1-A 	S1+ Oma MB	ifier tograp MB Qualifier	70 - 130 70 - 130 Dhy Spike	5.00 LCS	LCS	g Clier	e Print Sar	repared mple ID	Prep T Analy 04/28/22 : Lab Co Prep T %Rec	zed 206:12	Dil Fac 1 ample
1-Chlorooctane o-Terphenyl Method: 300.0 - Anions Lab Sample ID: MB 880-2: Matrix: Solid Analysis Batch: 24345 Analyte Chloride Lab Sample ID: LCS 880-2 Matrix: Solid	122 133 6, Ion Chro 3842/1-A 	S1+ Oma MB	ifier tograp MB Qualifier	70 - 130 70 - 130	5.00 LCS	LCS Qualifier	.g) Pi	repared	Prep T 	zed 206:12	Dil Fac 1 ample
1-Chlorooctane o-Terphenyl Method: 300.0 - Anions Lab Sample ID: MB 880-2: Matrix: Solid Analysis Batch: 24345 Analyte Chloride Lab Sample ID: LCS 880-2 Matrix: Solid Analysis Batch: 24345 <u>Analyte</u> Chloride	122 133 5, Ion Chro 3842/1-A 	S1+ Oma MB	ifier tograp MB Qualifier	70 - 130 70 - 130 Dhy Spike Added	5.00 LCS Result	LCS Qualifier	g Clier Unit mg/Kg	<u>P</u> nt Sar	nple ID %Rec 97	Analy 04/28/22 Lab Col Prep T %Rec Limits 90 - 110	zed 206:12 htrol Sa ype: So	Dil Fac 1 ample Dluble
1-Chlorooctane o-Terphenyl Method: 300.0 - Anions Lab Sample ID: MB 880-23 Matrix: Solid Analysis Batch: 24345 Analyte Chloride Lab Sample ID: LCS 880-2 Matrix: Solid Analysis Batch: 24345 Analyte Chloride Lab Sample ID: LCSD 880	122 133 5, Ion Chro 3842/1-A 	S1+ Oma MB	ifier tograp MB Qualifier	70 - 130 70 - 130 Dhy Spike Added	5.00 LCS Result	LCS Qualifier	g Clier Unit mg/Kg	<u>P</u> nt Sar	nple ID %Rec 97	Prep T Analy 04/28/22 Lab Co Prep T %Rec Limits 90 - 110 Control	zed 206:12 ntrol Sa ype: So Sample	Dil Fac 1 ample Dluble
1-Chlorooctane o-Terphenyl Method: 300.0 - Anions Lab Sample ID: MB 880-23 Matrix: Solid Analysis Batch: 24345 Analyte Chloride Lab Sample ID: LCS 880-2 Matrix: Solid Analysis Batch: 24345 Analyte Chloride Lab Sample ID: LCSD 880 Matrix: Solid	122 133 5, Ion Chro 3842/1-A 	S1+ Oma MB	ifier tograp MB Qualifier	70 - 130 70 - 130 Dhy Spike Added	5.00 LCS Result	LCS Qualifier	g Clier Unit mg/Kg	<u>P</u> nt Sar	nple ID %Rec 97	Prep T Analy 04/28/22 Lab Co Prep T %Rec Limits 90 - 110 Control	zed 206:12 htrol Sa ype: So	Dil Fac 1 ample Dluble
1-Chlorooctane o-Terphenyl Method: 300.0 - Anions Lab Sample ID: MB 880-23 Matrix: Solid Analysis Batch: 24345 Analyte Chloride Lab Sample ID: LCS 880-2 Matrix: Solid Analysis Batch: 24345 Analyte Chloride Lab Sample ID: LCSD 880	122 133 5, Ion Chro 3842/1-A 	S1+ Oma MB	ifier tograp MB Qualifier	70 - 130 70 - 130 Dhy Spike Added 250	5.00 LCS Result 243.6	LCS Qualifier	g Clier Unit mg/Kg	<u>P</u> nt Sar	nple ID %Rec 97	Prep T Analy 04/28/22 Lab Col Prep T %Rec Limits 90 - 110 Control Prep T	zed 206:12 ntrol Sa ype: So Sample	Dil Fac 1 ample Diuble e Dup Diuble
1-Chlorooctane o-Terphenyl Method: 300.0 - Anions Lab Sample ID: MB 880-23 Matrix: Solid Analysis Batch: 24345 Analyte Chloride Lab Sample ID: LCS 880-2 Matrix: Solid Analysis Batch: 24345 Analyte Chloride Lab Sample ID: LCSD 880 Matrix: Solid	122 133 5, Ion Chro 3842/1-A 	S1+ Oma MB	ifier tograp MB Qualifier	70 - 130 70 - 130 Dhy Spike Added	5.00 LCS Result 243.6	LCS Qualifier	g Clier Unit mg/Kg	<u>P</u> nt Sar	nple ID %Rec 97	Prep T Analy 04/28/22 Lab Co Prep T %Rec Limits 90 - 110 Control	zed 206:12 ntrol Sa ype: So Sample	Dil Fac 1 ample Dluble

Client Sample ID: Matrix Spike

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Client: Ensolum

Project/Site: Pecos Fed 1Y

QC Sample Results

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-2204-1 Matrix: Solid	5 MS							C	ient Sam Prep T	-	
Analysis Batch: 24345									TTOP 1	, pc. oc	
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	7.50		250	266.0		mg/Kg		104	90 - 110		
Lab Sample ID: 890-2204-1	5 MSD							C	ient Sam	ple ID:	PH06
Matrix: Solid									Prep T		
Analysis Batch: 24345											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	7.50		250	245.0		mg/Kg		95	90 - 110	8	20
Lab Sample ID: 890-2205-1	0 MS							C	ient Sam	ple ID:	PH04
Matrix: Solid									Prep T	-	
Analysis Batch: 24345											
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	<4.97	U	249	264.9		mg/Kg		107	90 - 110		
Lab Sample ID: 890-2205-1	0 MSD							С	ient Sam	ple ID:	PH04
Matrix: Solid									Prep T	-	
Analysis Batch: 24345											
-	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	<4.97	<u> </u>	249	247.6		mg/Kg		100	90 - 110	7	20

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Client: Ensolum Project/Site: Pecos Fed 1Y

GC VOA

Prep Batch: 24099

Lab Sample ID 890-2205-10	Client Sample ID PH04	Prep Type Total/NA	Matrix Solid	Method 5035	Prep Batch
MB 880-24099/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-24099/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-24099/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-13981-A-14-D MS	Matrix Spike	Total/NA	Solid	5035	
880-13981-A-14-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 24248

Lab Sample ID 890-2204-11	Client Sample ID PH04	Prep Type Total/NA	Matrix Solid	Method Total BTEX	Prep Batch
890-2204-12	PH05	Total/NA	Solid	Total BTEX	
890-2204-13	PH05	Total/NA	Solid	Total BTEX	
890-2204-14	PH06	Total/NA	Solid	Total BTEX	
890-2204-15	PH06	Total/NA	Solid	Total BTEX	

Analysis Batch: 24304

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-2205-10	PH04	Total/NA	Solid	8021B	24099
MB 880-24099/5-A	Method Blank	Total/NA	Solid	8021B	24099
LCS 880-24099/1-A	Lab Control Sample	Total/NA	Solid	8021B	24099
LCSD 880-24099/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	24099
880-13981-A-14-D MS	Matrix Spike	Total/NA	Solid	8021B	24099
880-13981-A-14-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	24099

Analysis Batch: 24426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2205-1	PH01	Total/NA	Solid	Total BTEX	
890-2205-2	PH01	Total/NA	Solid	Total BTEX	
890-2205-3	PH01	Total/NA	Solid	Total BTEX	
890-2205-4	PH01	Total/NA	Solid	Total BTEX	
890-2205-5	PH02	Total/NA	Solid	Total BTEX	
890-2205-6	PH02	Total/NA	Solid	Total BTEX	
890-2205-7	PH02	Total/NA	Solid	Total BTEX	
890-2205-8	PH03	Total/NA	Solid	Total BTEX	
890-2205-9	PH03	Total/NA	Solid	Total BTEX	
890-2205-10	PH04	Total/NA	Solid	Total BTEX	

Analysis Batch: 24450

Lab Sample ID 890-2204-11	Client Sample ID PH04	Prep Type	Matrix Solid	Method Pre	p Batch 24473
890-2204-12	PH05	Total/NA	Solid	8021B	24473
890-2204-13	PH05	Total/NA	Solid	8021B	24473
890-2204-14	PH06	Total/NA	Solid	8021B	24473
890-2204-15	PH06	Total/NA	Solid	8021B	24473

Prep Batch: 24473

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-2204-11	PH04	Total/NA	Solid	5035	
890-2204-12	PH05	Total/NA	Solid	5035	
890-2204-13	PH05	Total/NA	Solid	5035	
890-2204-14	PH06	Total/NA	Solid	5035	

Job ID: 890-2204-2 SDG: 03A198701

Client: Ensolum Project/Site: Pecos Fed 1Y

GC VOA (Continued)

Prep Batch: 24473 (Continued)

Lab Sample ID 890-2204-15	Client Sample ID PH06	Prep Type Total/NA	Matrix Solid	Method 5035	Prep Batch
Prep Batch: 24483					

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	
890-2205-1	PH01	Total/NA	Solid	5035		
890-2205-2	PH01	Total/NA	Solid	5035		
890-2205-3	PH01	Total/NA	Solid	5035		
890-2205-4	PH01	Total/NA	Solid	5035		8
890-2205-5	PH02	Total/NA	Solid	5035		
890-2205-6	PH02	Total/NA	Solid	5035		9
890-2205-7	PH02	Total/NA	Solid	5035		
890-2205-8	PH03	Total/NA	Solid	5035		
890-2205-9	PH03	Total/NA	Solid	5035		
MB 880-24483/5-A	Method Blank	Total/NA	Solid	5035		
LCS 880-24483/1-A	Lab Control Sample	Total/NA	Solid	5035		
LCSD 880-24483/2-A	Lab Control Sample Dup	Total/NA	Solid	5035		
880-14236-A-41-D MS	Matrix Spike	Total/NA	Solid	5035		
880-14236-A-41-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035		13

Analysis Batch: 24523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2205-1	PH01	Total/NA	Solid	8021B	24483
890-2205-2	PH01	Total/NA	Solid	8021B	24483
890-2205-3	PH01	Total/NA	Solid	8021B	24483
890-2205-4	PH01	Total/NA	Solid	8021B	24483
890-2205-5	PH02	Total/NA	Solid	8021B	24483
890-2205-6	PH02	Total/NA	Solid	8021B	24483
890-2205-7	PH02	Total/NA	Solid	8021B	24483
890-2205-8	PH03	Total/NA	Solid	8021B	24483
890-2205-9	PH03	Total/NA	Solid	8021B	24483
MB 880-24483/5-A	Method Blank	Total/NA	Solid	8021B	24483
LCS 880-24483/1-A	Lab Control Sample	Total/NA	Solid	8021B	24483
LCSD 880-24483/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	24483
880-14236-A-41-D MS	Matrix Spike	Total/NA	Solid	8021B	24483
880-14236-A-41-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	24483

GC Semi VOA

Analysis Batch: 23813

Lab Sample ID 890-2204-11	Client Sample ID PH04	Prep Type Total/NA	Matrix	Method 8015B NM	Prep Batch
890-2204-12	PH05	Total/NA	Solid	8015B NM	23828
890-2204-13	PH05	Total/NA	Solid	8015B NM	23828
890-2204-14	PH06	Total/NA	Solid	8015B NM	23828
890-2204-15	PH06	Total/NA	Solid	8015B NM	23828

Analysis Batch: 23817

Lab Sample ID 890-2205-1	Client Sample ID PH01	Prep Type Total/NA	Matrix Solid	Method 8015B NM	Prep Batch 23857
890-2205-2	PH01	Total/NA	Solid	8015B NM	23857
890-2205-3	PH01	Total/NA	Solid	8015B NM	23857

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Job ID: 890-2204-2

SDG: 03A198701

Client: Ensolum Project/Site: Pecos Fed 1Y

GC Semi VOA (Continued)

Analysis Batch: 23817 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2205-4	PH01	Total/NA	Solid	8015B NM	23857
890-2205-5	PH02	Total/NA	Solid	8015B NM	23857
890-2205-6	PH02	Total/NA	Solid	8015B NM	23857
890-2205-7	PH02	Total/NA	Solid	8015B NM	23857
890-2205-8	PH03	Total/NA	Solid	8015B NM	23857
890-2205-9	PH03	Total/NA	Solid	8015B NM	23857
890-2205-10	PH04	Total/NA	Solid	8015B NM	23857
MB 880-23857/1-A	Method Blank	Total/NA	Solid	8015B NM	23857
LCS 880-23857/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	23857
LCSD 880-23857/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	23857
890-2203-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	23857
890-2203-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	23857

Prep Batch: 23828

Lab Sample ID 890-2204-11	Client Sample ID PH04	Prep Type Total/NA	Matrix Solid	Method 8015NM Prep	Prep Batch
890-2204-12	PH05	Total/NA	Solid	8015NM Prep	
890-2204-13	PH05	Total/NA	Solid	8015NM Prep	
890-2204-14	PH06	Total/NA	Solid	8015NM Prep	
890-2204-15	PH06	Total/NA	Solid	8015NM Prep	

Prep Batch: 23857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method Prep Ba
890-2205-1	PH01	Total/NA	Solid	8015NM Prep
890-2205-2	PH01	Total/NA	Solid	8015NM Prep
890-2205-3	PH01	Total/NA	Solid	8015NM Prep
890-2205-4	PH01	Total/NA	Solid	8015NM Prep
890-2205-5	PH02	Total/NA	Solid	8015NM Prep
890-2205-6	PH02	Total/NA	Solid	8015NM Prep
890-2205-7	PH02	Total/NA	Solid	8015NM Prep
890-2205-8	PH03	Total/NA	Solid	8015NM Prep
890-2205-9	PH03	Total/NA	Solid	8015NM Prep
890-2205-10	PH04	Total/NA	Solid	8015NM Prep
MB 880-23857/1-A	Method Blank	Total/NA	Solid	8015NM Prep
LCS 880-23857/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep
LCSD 880-23857/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep
890-2203-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep
890-2203-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep

Analysis Batch: 23902

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2205-1	PH01	Total/NA	Solid	8015 NM	
890-2205-2	PH01	Total/NA	Solid	8015 NM	
890-2205-3	PH01	Total/NA	Solid	8015 NM	
890-2205-4	PH01	Total/NA	Solid	8015 NM	
890-2205-5	PH02	Total/NA	Solid	8015 NM	
890-2205-6	PH02	Total/NA	Solid	8015 NM	
890-2205-7	PH02	Total/NA	Solid	8015 NM	
890-2205-8	PH03	Total/NA	Solid	8015 NM	
890-2205-9	PH03	Total/NA	Solid	8015 NM	
890-2205-10	PH04	Total/NA	Solid	8015 NM	

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Job ID: 890-2204-2 SDG: 03A198701

Client: Ensolum Project/Site: Pecos Fed 1Y

GC Semi VOA

Analysis Batch: 23931

Lab Sample ID 890-2204-11	Client Sample ID PH04	Prep Type Total/NA	Matrix Solid	Method 8015 NM	Prep Batch
890-2204-12	PH05	Total/NA	Solid	8015 NM	
890-2204-13	PH05	Total/NA	Solid	8015 NM	
890-2204-14	PH06	Total/NA	Solid	8015 NM	
890-2204-15	PH06	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 23841

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method F	Prep Batch	
890-2204-11	PH04	Soluble	Solid	DI Leach		
890-2204-12	PH05	Soluble	Solid	DI Leach		
890-2204-13	PH05	Soluble	Solid	DI Leach		
890-2204-14	PH06	Soluble	Solid	DI Leach		

Leach Batch: 23842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2204-15	PH06	Soluble	Solid	DI Leach	
890-2205-1	PH01	Soluble	Solid	DI Leach	
890-2205-2	PH01	Soluble	Solid	DI Leach	
890-2205-3	PH01	Soluble	Solid	DI Leach	
890-2205-4	PH01	Soluble	Solid	DI Leach	
890-2205-5	PH02	Soluble	Solid	DI Leach	
890-2205-6	PH02	Soluble	Solid	DI Leach	
890-2205-7	PH02	Soluble	Solid	DI Leach	
890-2205-8	PH03	Soluble	Solid	DI Leach	
890-2205-9	PH03	Soluble	Solid	DI Leach	
890-2205-10	PH04	Soluble	Solid	DI Leach	
MB 880-23842/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-23842/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-23842/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2204-15 MS	PH06	Soluble	Solid	DI Leach	
890-2204-15 MSD	PH06	Soluble	Solid	DI Leach	
890-2205-10 MS	PH04	Soluble	Solid	DI Leach	
890-2205-10 MSD	PH04	Soluble	Solid	DI Leach	

Analysis Batch: 24343

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-2204-11	PH04	Soluble	Solid	300.0	23841
890-2204-12	PH05	Soluble	Solid	300.0	23841
890-2204-13	PH05	Soluble	Solid	300.0	23841
890-2204-14	PH06	Soluble	Solid	300.0	23841

Analysis Batch: 24345

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-2204-15	PH06	Soluble	Solid	300.0	23842
890-2205-1	PH01	Soluble	Solid	300.0	23842
890-2205-2	PH01	Soluble	Solid	300.0	23842
890-2205-3	PH01	Soluble	Solid	300.0	23842
890-2205-4	PH01	Soluble	Solid	300.0	23842
890-2205-5	PH02	Soluble	Solid	300.0	23842

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Job ID: 890-2204-2 SDG: 03A198701

Client: Ensolum Project/Site: Pecos Fed 1Y

HPLC/IC (Continued)

Analysis Batch: 24345 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2205-6	PH02	Soluble	Solid	300.0	23842
890-2205-7	PH02	Soluble	Solid	300.0	23842
890-2205-8	PH03	Soluble	Solid	300.0	23842
890-2205-9	PH03	Soluble	Solid	300.0	23842
890-2205-10	PH04	Soluble	Solid	300.0	23842
MB 880-23842/1-A	Method Blank	Soluble	Solid	300.0	23842
LCS 880-23842/2-A	Lab Control Sample	Soluble	Solid	300.0	23842
LCSD 880-23842/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	23842
890-2204-15 MS	PH06	Soluble	Solid	300.0	23842
890-2204-15 MSD	PH06	Soluble	Solid	300.0	23842
890-2205-10 MS	PH04	Soluble	Solid	300.0	23842
890-2205-10 MSD	PH04	Soluble	Solid	300.0	23842

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Job ID: 890-2204-2 SDG: 03A198701

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Initial

Amount

4.98 g

5 mL

10.01 g

5.01 g

Dil

1

1

1

1

1

Factor

Run

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Soluble

Soluble

Client Sample ID: PH04 Date Collected: 04/18/22 11:05 Date Received: 04/19/22 13:33

Batch

Туре

Prep

Analysis

Analysis

Analysis

Analysis

Leach

Analysis

Prep

Batch

5035

8021B

Total BTEX

8015NM Prep

8015 NM

8015B NM

DI Leach

300.0

Method

Job ID: 890-2204-2 SDG: 03A198701

Lab Sample ID: 890-2204-11

Analyst

Prepared

or Analyzed

04/29/22 09:06 MR

04/29/22 19:01 MR

04/26/22 10:02 AJ

04/21/22 10:45 AJ

04/20/22 11:30 DM

04/21/22 03:08 AJ

04/20/22 12:40 SC

04/28/22 01:46 CH

Lab Sample ID: 890-2204-12

Lab Sample ID: 890-2204-13

Lab Sample ID: 890-2204-14

Batch

24473

24450

24248

23931

23828

23813

23841

24343

Number

Final

Amount

5 mL

5 mL

10 mL

50 mL

Matrix: Solid

Lab

XEN MID

Matrix: Solid

Matrix: Solid

Client Sample ID: PH05 Date Collected: 04/18/22 11:25

Date Received: 04/19/22 13:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	24473	04/29/22 09:06	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24450	04/29/22 19:22	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24248	04/26/22 10:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23931	04/21/22 10:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	23828	04/20/22 11:30	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23813	04/21/22 03:28	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	23841	04/20/22 12:40	SC	XEN MID
Soluble	Analysis	300.0		1			24343	04/28/22 01:52	СН	XEN MID

Client Sample ID: PH05 Date Collected: 04/18/22 11:30 Date Received: 04/19/22 13:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	24473	04/29/22 09:06	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24450	04/29/22 19:42	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24248	04/26/22 10:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23931	04/21/22 10:45	AJ	XEN MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.00 g	10 mL	23828 23813	04/20/22 11:30 04/21/22 03:49		XEN MID XEN MID
Soluble Soluble	Leach Analysis	DI Leach 300.0		1	5.04 g	50 mL	23841 24343	04/20/22 12:40 04/28/22 01:58		XEN MID XEN MID

Client Sample ID: PH06 Date Collected: 04/18/22 11:45 Date Received: 04/19/22 13:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	24473	04/29/22 09:06	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24450	04/29/22 20:03	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24248	04/26/22 10:02	AJ	XEN MID

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Matrix: Solid

Released to Imaging: 9/20/2022 11:04:35 AM

Client: Ensolum Project/Site: Pecos Fed 1Y

Client Sample ID: PH06 Date Collected: 04/18/22 11:45 Date Received: 04/19/22 13:33

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			23931	04/21/22 10:45	AJ	XEN MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.01 g	10 mL	23828 23813	04/20/22 11:30 04/21/22 04:09	DM AJ	XEN MID XEN MID
Soluble Soluble	Leach Analysis	DI Leach 300.0		1	5 g	50 mL	23841 24343	04/20/22 12:40 04/28/22 02:05		XEN MID XEN MID

Client Sample ID: PH06 Date Collected: 04/18/22 11:50 Date Received: 04/19/22 13:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	24473	04/29/22 09:06	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24450	04/29/22 20:23	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24248	04/26/22 10:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23931	04/21/22 10:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	23828	04/20/22 11:30	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23813	04/21/22 04:30	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	23842	04/20/22 12:42	SC	XEN MID
Soluble	Analysis	300.0		1			24345	04/28/22 06:31	СН	XEN MID

Client Sample ID: PH01

Date Collected: 04/18/22 10:00 Date Received: 04/19/22 13:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	24483	04/29/22 09:22	MR	XEN MID
Total/NA	Analysis	8021B		1			24523	04/29/22 16:42	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24426	04/28/22 11:55	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23902	04/21/22 09:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	23857	04/20/22 15:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23817	04/21/22 03:21	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	23842	04/20/22 12:42	SC	XEN MID
Soluble	Analysis	300.0		1			24345	04/28/22 06:50	СН	XEN MID

Client Sample ID: PH01 Date Collected: 04/18/22 10:05 Date Received: 04/19/22 13:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	24483	04/29/22 09:22	MR	XEN MID
Total/NA	Analysis	8021B		1			24523	04/29/22 17:02	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24426	04/28/22 11:55	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23902	04/21/22 09:38	AJ	XEN MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.01 g	10 mL	23857 23817	04/20/22 15:27 04/21/22 03:41	DM AJ	XEN MID XEN MID

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Matrix: Solid

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Job ID: 890-2204-2 SDG: 03A198701

Lab Sample ID: 890-2204-14

Lab Sample ID: 890-2204-15

Matrix: Solid

Matrix: Solid

04/28/22 06:31 CH XEN MID Lab Sample ID: 890-2205-1

Lab Sample ID: 890-2205-2

Matrix: Solid

Lab Chronicle

Job ID: 890-2204-2 SDG: 03A198701

Lab Sample ID: 890-2205-3

Matrix: Solid

Matrix: Solid

Matrix: Solid

Client Sample ID: PH01 Date Collected: 04/18/22 10:05 Date Received: 04/19/22 13:33

Project/Site: Pecos Fed 1Y

Client: Ensolum

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	23842	04/20/22 12:42	SC	XEN MID
Soluble	Analysis	300.0		1			24345	04/28/22 06:56	СН	XEN MID

Client Sample ID: PH01 Date Collected: 04/18/22 10:10 Date Received: 04/19/22 13:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	24483	04/29/22 09:22	MR	XEN MID
Total/NA	Analysis	8021B		1			24523	04/29/22 17:23	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24426	04/28/22 11:55	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23902	04/21/22 09:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	23857	04/20/22 15:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23817	04/21/22 04:02	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	23842	04/20/22 12:42	SC	XEN MID
Soluble	Analysis	300.0		1			24345	04/28/22 07:02	СН	XEN MID

Client Sample ID: PH01 Date Collected: 04/18/22 15:45 Date Received: 04/19/22 13:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	24483	04/29/22 09:22	MR	XEN MID
Total/NA	Analysis	8021B		1			24523	04/29/22 17:43	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24426	04/28/22 11:55	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23902	04/21/22 09:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	23857	04/20/22 15:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23817	04/21/22 04:22	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	23842	04/20/22 12:42	SC	XEN MID
Soluble	Analysis	300.0		1			24345	04/28/22 07:09	СН	XEN MID

Client Sample ID: PH02 Date Collected: 04/18/22 10:20 Date Received: 04/19/22 13:33

Lab Sample ID: 890-2205-5 Matrix: Solid

Batch Batch Dil Initial Final Batch Prepared Method Prep Type Туре Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA 5035 24483 04/29/22 09:22 MR XEN MID Prep 5.00 g 5 mL Total/NA 8021B Analysis 1 24523 04/29/22 18:04 MR XEN MID Total/NA Analysis Total BTEX 24426 04/28/22 11:55 AJ XEN MID 1 Total/NA 8015 NM 23902 Analysis 1 04/21/22 09:38 AJ XEN MID Total/NA 8015NM Prep 23857 04/20/22 15:27 DM XEN MID Prep 10.02 g 10 mL Total/NA Analysis 8015B NM 1 23817 04/21/22 00:18 AJ XEN MID Soluble DI Leach 50 mL 23842 04/20/22 12:42 SC XEN MID Leach 5.05 g Soluble Analysis 300.0 1 24345 04/28/22 07:28 CH XEN MID

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Initial

Amount

4.99 g

10.01 g

4.96 g

Dil

1

1

1

1

1

Factor

Run

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Soluble

Soluble

Client Sample ID: PH02 Date Collected: 04/18/22 10:25 Date Received: 04/19/22 13:33

Batch

Туре

Prep

Analysis

Analysis

Analysis

Analysis

Leach

Analysis

Prep

Batch

5035

8021B

Total BTEX

8015NM Prep

8015 NM

8015B NM

DI Leach

300.0

Method

Prepared

or Analyzed

04/29/22 09:22

04/29/22 18:25 MR

04/28/22 11:55 AJ

04/21/22 09:38 AJ

04/20/22 15:27 DM

04/21/22 00:38 AJ

04/20/22 12:42 SC

04/28/22 07:34 CH

Batch

24483

24523

24426

23902

23857

23817

23842

24345

Number

Final

Amount

5 mL

10 mL

50 mL

Lab Sample ID: 890-2205-6

Analyst

MR

Matrix: Solid

Lab

XEN MID

Lab Sample ID: 890-2205-7 Matrix: Solid

Lab Sample ID: 890-2205-8

Lab Sample ID: 890-2205-9

Matrix: Solid

Client Sample ID: PH02 Date Collected: 04/18/22 10:30

Date Received: 04/19/22 13:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	24483	04/29/22 09:22	MR	XEN MID
Total/NA	Analysis	8021B		1			24523	04/29/22 18:45	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24426	04/28/22 11:55	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23902	04/21/22 09:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	23857	04/20/22 15:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23817	04/21/22 00:58	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	23842	04/20/22 12:42	SC	XEN MID
Soluble	Analysis	300.0		1			24345	04/28/22 07:40	СН	XEN MID

Client Sample ID: PH03 Date Collected: 04/18/22 10:45 Date Received: 04/19/22 13:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	24483	04/29/22 09:22	MR	XEN MID
Total/NA	Analysis	8021B		1			24523	04/29/22 19:06	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24426	04/28/22 11:55	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23902	04/21/22 09:38	AJ	XEN MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.02 g	10 mL	23857 23817	04/20/22 15:27 04/21/22 01:19	DM AJ	XEN MID XEN MID
Soluble Soluble	Leach Analysis	DI Leach 300.0		1	4.99 g	50 mL	23842 24345	04/20/22 12:42 04/28/22 07:47		XEN MID XEN MID

Client Sample ID: PH03 Date Collected: 04/18/22 10:50 Date Received: 04/19/22 13:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	24483	04/29/22 09:22	MR	XEN MID
Total/NA	Analysis	8021B		1			24523	04/29/22 19:26	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24426	04/28/22 11:55	AJ	XEN MID

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Matrix: Solid

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Released to Imaging: 9/20/2022 11:04:35 AM

Client: Ensolum Project/Site: Pecos Fed 1Y

Client Sample ID: PH03 Date Collected: 04/18/22 10:50 Date Received: 04/19/22 13:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			23902	04/21/22 09:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	23857	04/20/22 15:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23817	04/21/22 01:39	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	23842	04/20/22 12:42	SC	XEN MID
Soluble	Analysis	300.0		1			24345	04/28/22 07:53	СН	XEN MID

Client Sample ID: PH04 Date Collected: 04/18/22 11:00 Date Received: 04/19/22 13:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	24099	04/23/22 12:31	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24304	04/27/22 19:41	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24426	04/28/22 11:55	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23902	04/21/22 09:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	23857	04/20/22 15:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23817	04/21/22 02:00	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	23842	04/20/22 12:42	SC	XEN MID
Soluble	Analysis	300.0		1			24345	04/28/22 07:59	СН	XEN MID

Laboratory References:

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

Job ID: 890-2204-2 SDG: 03A198701

Lab Sample ID: 890-2205-9

Lab Sample ID: 890-2205-10

Matrix: Solid

Matrix: Solid

Accreditation/Certification Summary

Client: Ensolum Project/Site: Pecos Fed 1Y Job ID: 890-2204-2 SDG: 03A198701

Laboratory: Eurofins Midland

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

Authority	Pro	ogram	Identification Number	Expiration Date
Texas	NE	LAP	T104704400-21-22	06-30-22
The following analyte	s are included in this repo	rt but the laboratory is r	not certified by the governing authority.	This list may include analytes for which
the agency does not o	•	, 2 at the label ately le l		
• •	•	Matrix	Analyte	
the agency does not o	offer certification.		, , , , , ,	

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Released to Imaging: 9/20/2022 11:04:35 AM

Method Summary

Client: Ensolum Project/Site: Pecos Fed 1Y Job ID: 890-2204-2 SDG: 03A198701

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

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Sample Summary

Client: Ensolum Project/Site: Pecos Fed 1Y

00 0004 44	Client Sample ID	Matrix	Collected	Received	Depth
90-2204-11	PH04	Solid	04/18/22 11:05	04/19/22 13:33	1
90-2204-12	PH05	Solid	04/18/22 11:25	04/19/22 13:33	0.5
90-2204-13	PH05	Solid	04/18/22 11:30	04/19/22 13:33	1
90-2204-14	PH06	Solid	04/18/22 11:45	04/19/22 13:33	0.5
90-2204-15	PH06	Solid	04/18/22 11:50	04/19/22 13:33	1
90-2205-1	PH01	Solid	04/18/22 10:00	04/19/22 13:33	0.5
90-2205-2	PH01	Solid	04/18/22 10:05	04/19/22 13:33	1
90-2205-3	PH01	Solid	04/18/22 10:10	04/19/22 13:33	2
90-2205-4	PH01	Solid	04/18/22 15:45	04/19/22 13:33	3
90-2205-5	PH02	Solid	04/18/22 10:20	04/19/22 13:33	0.5
90-2205-6	PH02	Solid	04/18/22 10:25	04/19/22 13:33	1
90-2205-7	PH02	Solid	04/18/22 10:30	04/19/22 13:33	2
90-2205-8	PH03	Solid	04/18/22 10:45	04/19/22 13:33	0.5
90-2205-9	PH03	Solid	04/18/22 10:50	04/19/22 13:33	1
90-2205-10	PH04	Solid	04/18/22 11:00	04/19/22 13:33	0.5

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Work Order No: www.xenco.com Page 1 krogram: UST/PST PRP Brownfields RRC State of Project: Reporting: Level II Level II PST/UST TRRP Deliverables: EDD ADaPT Other: Other: EQUEST Freservative None: NO Cool: Cool In of Custody - H;PO; H H;PO; H In of Custody - Received by: (Signature) Sample Con Nig Min Mo Ni K Se Ag SIO2, Na Sr TI Sn U V Zn Sample Con Sample Con Na Se Ag TI U Hg; 1631 / 245; 1 / 7470 / 7471 Sample Con Na Se orbitson Received by: (Signature) Date Norein Received by: (Signature) Date	5 4	Relinquished by: (Sign	liates and subcontractors. It assigns standard re client if such losses are due to circumstance It not analyzed. These terms will be enforced u	B Cd Ca Cr Co Cu Fe Pb e Cd Cr Co Cu Pb Mn Mo N	*								*		lori		S								etse wn po	~	- 1	Rateri	If Custody 200, Dallas, TX (214) 902-0300 -San Antonio, TX (210) 509-3334 3, Lubbock, TX (806) 794-1296 2) Carlsbad, NM (575) 988-3199
COrder No: Page 1 Work:Order.Comments RRC[PRP Brownfields RRC[ADaPT Other. ADaPT Other. HyPO_xit Preservativ HyPO_xit None: NO Cool: Cool Cool: Cool HyPO_xit HyPO_xit Nation XABUS Nation XABUS Nation XancetatetNaOH Nation Sample Con Sil0_2 Na Sr TI Sn U V Zn 631 / 245.1 / 7470 Zn Mone: NO Date Vy: (Signature) Date		ature) Received b		i K Se												in of Custody								Deliverables: EDD	Reporting: Level II	ofProj		WW	Worl
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5/19/2022 (Rev. 1)

Page 131 of 219

	5 3	Relinquished by: (Signature)	Induce: Signature of this document and elinquishment of samples constitues a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be lable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco. Just not analyzed. These terms will be enforced unless previously negotian provide the second sec	Total 200,7 / 6010 200,8 / 6020: Circle Method(s) and Metal(s) to be analyzed	5	2406	PHOW	PHOS	PH65	PHOY	Sample Identification	ilotal Containers:	seals:		act:	SAMPLE RECEIPT 1		Sampler's Name (Annual D			Prince Name Rocco	Phone	City, State ZIP:	Address	Company Name:	Project Manager:		eurofins.
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			er from client company to nsibility for any losses or e for each sample submitter	M Texas 11 Al PLP 6010 : 8RCR	 	÷	0,5'	<u>, ,</u>	1 5:0	1, C	Depth Grab/ Comp (Yec No	the lab, if received by 4:30pm		Likusn				City, State ZIP:	Address:	Company Name:	Bill to: (if different)	Housto Midland, EL Pasó Hobbs,	:
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Eurofins Carlsbad		1															i											
1089 N Canal St. Carlsbad NM 88220 Phone 575-988-3199 Fax 575-988-3199	O	hain	of Cus	Chain of Custody Record	lec	or	<u>a</u>												్ ర్ట్రం	eu	🐝 eurofins	ins	<u>≥ m</u>	Environment Testing America	nmei :a	rt Te	sting	
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Ver 06/08/2021

∆ Yes ∆ No

Ver 06/08/2021

Chain of Custody Record

13

Eurofins Carlsbad		ł	j																	
1089 N Canal St. Carlsbad NM 88220	0	Chain of Custody Record	f Cust	ody R	ecol	g											.	🔅 eurofins	ins	Environment Testing America
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Client Contact	05220			Kram	Kramer Jessica	sica						5	i.					890-713 2		
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Custody Seals Intact: Custody Seal No						Cooler Temperature(s) °C	empera	ture(s)		and Other Remarks	Remar	ŝ		ľ						

Login Sample Receipt Checklist

Client: Ensolum

<6mm (1/4").

Login Number: 2205 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	

Job Number: 890-2205-1 SDG Number: 03A1987014

List Source: Eurofins Carlsbad

Eurofins Carlsbad Released to Imaging: 9/20/2022 11:04:35 AM

Job Number: 890-2205-1 SDG Number: 03A1987014

List Source: Eurofins Midland

List Creation: 04/20/22 10:37 AM

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 2205 List Number: 2 Creator: Teel, Brianna

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

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

Received by OCD: 6/20/2022 7:29:20 AM

LINKS

Review your project results through

EOL

Have a Question?

www.eurofinsus.com/Env

Released to Imaging: 9/20/2022 11:04:35 AM

Visit us at:

Ask— The Expert

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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: 890-2323-1

Laboratory Sample Delivery Group: 03A1987014 Client Project/Site: Pecos Federal #001Y Revision: 1

For:

Ensolum 705 W. Wadley Suite 210 Midland, Texas 79701

Attn: Ben Belill

RAMER

Authorized for release by: 6/15/2022 11:24:03 AM

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

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

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

SDG: 03A1987014

Page 138 of 219

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QC Sample Results	14
QC Association Summary	19
Lab Chronicle	23
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Method Summary	28
Sample Summary	29
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Receipt Checklists	33

Client: Ensolum
Project/Site: Pecos Federal #001Y

Definitions/Glossary	1
Job ID: 890-2323-1 SDG: 03A1987014	2
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Qualifiers

MPN

MQL NC

ND NEG

POS

PQL

QC

RER

RPD

TEF

TEQ

TNTC

RL

PRES

Quaimers		— 3
GC VOA		
Qualifier	Qualifier Description	4
U	Indicates the analyte was analyzed for but not detected.	
GC Semi VO	A	5
Qualifier	Qualifier Description	
F1	MS and/or MSD recovery exceeds control limits.	
F2	MS/MSD RPD exceeds control limits	
U	Indicates the analyte was analyzed for but not detected.	
HPLC/IC		
Qualifier	Qualifier Description	8
F1	MS and/or MSD recovery exceeds control limits.	_
U	Indicates the analyte was analyzed for but not detected.	9
Glossary		10
Abbreviation	These commonly used abbreviations may or may not be present in this report.	
¤	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	10
DER	Duplicate Error Ratio (normalized absolute difference)	13
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)	

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Most Probable Number Method Quantitation Limit

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

Reporting Limit or Requested Limit (Radiochemistry)

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

Not Calculated

Negative / Absent

Positive / Present

Presumptive

Quality Control

Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Job ID: 890-2323-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-2323-1

REVISION

The report being provided is a revision of the original report sent on 5/25/2022. The report (revision 1) is being revised due to Per client email, requesting RUSH re run on sample PH02 @ 7' and PH12 @ 7'.

Report revision history

Receipt

The samples were received on 5/19/2022 4:11 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 0.8°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 880-26028 and analytical batch 880-26024 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-27511 and analytical batch 880-27545 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.

Client Sample Results

Client: Ensolum Project/Site: Pecos Federal #001Y

Client Sample ID: PH01 Date Collected: 05/18/22 10:55 Date Received: 05/19/22 16:11 Sample Depth: 4

Job ID: 890-2323-1
SDG: 03A1987014

Lab Sample ID: 890-2323-1

Matrix: Solid

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Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/23/22 11:13	05/23/22 13:02	
Toluene	<0.00201	U	0.00201		mg/Kg		05/23/22 11:13	05/23/22 13:02	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/23/22 11:13	05/23/22 13:02	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/23/22 11:13	05/23/22 13:02	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/23/22 11:13	05/23/22 13:02	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/23/22 11:13	05/23/22 13:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				05/23/22 11:13	05/23/22 13:02	1
1,4-Difluorobenzene (Surr)	93		70 - 130				05/23/22 11:13	05/23/22 13:02	1
Method: Total BTEX - Total B	FEX Calcula	tion							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/23/22 17:01	1
Method: 8015 NM - Diesel Rar	nge Organic	s (DRO) (G	iC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	230		49.9		mg/Kg			05/24/22 08:44	1
Method: 8015B NM - Diesel R	ange Organ	ics (DRO) ((GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/23/22 08:23	05/23/22 12:34	1
Diesel Range Organics (Over C10-C28)	230		49.9		mg/Kg		05/23/22 08:23	05/23/22 12:34	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/23/22 08:23	05/23/22 12:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				05/23/22 08:23	05/23/22 12:34	1
o-Terphenyl	119		70 - 130				05/23/22 08:23	05/23/22 12:34	1
Method: 300.0 - Anions, Ion C	hromatogra	iphy - Solu	ble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	233		4.98		mg/Kg			05/25/22 05:23	1
lient Sample ID: PH01							Lab Samp	le ID: 890-2	323-2
ate Collected: 05/18/22 11:00								Matrix	: Solid
ate Received: 05/19/22 16:11									
ample Depth: 7									
Method: 8021B - Volatile Orga	inic Compo	unds (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		05/23/22 11:13	05/23/22 13:43	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/23/22 11:13	05/23/22 13:43	1
Ethylbenzene	<0 00108		0.00108		ma/Ka		05/22/22 11.12	05/23/22 13.13	1

4-Bromofluorobenzene (Surr)	111		70 - 130		05/23/22 11:13	05/23/22 13:43	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.00396	U	0.00396	mg/Kg	05/23/22 11:13	05/23/22 13:43	1
o-Xylene	<0.00198	U	0.00198	mg/Kg	05/23/22 11:13	05/23/22 13:43	1
m-Xylene & p-Xylene	< 0.00396	U	0.00396	mg/Kg	05/23/22 11:13	05/23/22 13:43	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg	05/23/22 11:13	05/23/22 13:43	1
Toluene	<0.00198	U	0.00198	mg/Kg	05/23/22 11:13	05/23/22 13:43	1

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6/15/2022 (Rev. 1)

Dil Fac

Dil Fac

1

Client Sample Results

Limits

70 - 130

RL

RL

50.0

0.00396

MDL Unit

MDL Unit

mg/Kg

mg/Kg

Job ID: 890-2323-1 SDG: 03A1987014

Project/Site: Pecos Federal #001Y **Client Sample ID: PH01**

Date Collected: 05/18/22 11:00
Date Received: 05/19/22 16:11
Sample Depth: 7

1,4-Difluorobenzene (Surr)

Client: Ensolum

Surrogate

Analyte

Analyte

Total TPH

Total BTEX

Lab Sample ID: 890-2323-2 Matrix: Solid

Analyzed

Analyzed

05/23/22 17:01

Analyzed

05/24/22 08:44

Lab Sample ID: 890-2323-3

Matrix: Solid

05/23/22 11:13 05/23/22 13:43

Prepared

Prepared

Prepared

D

D

5

Dil Fac	3
1	
Dil Fac	
1	
	12

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

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

Method: Total BTEX - Total BTEX Calculation

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

%Recovery Qualifier

Result Qualifier

Result Qualifier

<50.0 U

97

<0.00396 U

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1 F2	50.0		mg/Kg		05/23/22 08:23	05/23/22 11:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/23/22 08:23	05/23/22 11:07	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/23/22 08:23	05/23/22 11:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				05/23/22 08:23	05/23/22 11:07	1
o-Terphenyl	97		70 - 130				05/23/22 08.23	05/23/22 11:07	1

Method: 300.0 - Anions, Ion Ch	romatogra	ohy - Solub	ole						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	116		4.95		mg/Kg			05/25/22 05:51	1

Client Sample ID: PH02 Date Collected: 05/18/22 14:00 Date Received: 05/19/22 16:11

Sample Depth: 6

Method: 8021B - Volatile O Analyte	· ·	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198		0.00198		mg/Kg		05/23/22 11:13	05/23/22 14:04	1
Toluene	< 0.00198		0.00198		mg/Kg		05/23/22 11:13	05/23/22 14:04	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/23/22 11:13	05/23/22 14:04	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/23/22 11:13	05/23/22 14:04	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/23/22 11:13	05/23/22 14:04	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/23/22 11:13	05/23/22 14:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				05/23/22 11:13	05/23/22 14:04	1
1,4-Difluorobenzene (Surr)	95		70 - 130				05/23/22 11:13	05/23/22 14:04	1
_ Method: Total BTEX - Total	BTEX Calcula	tion							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			05/23/22 17:01	1
_ Method: 8015 NM - Diesel	Range Organic	s (DRO) (0	SC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/24/22 08:44	1

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Client Sample Results

Client: Ensolum Project/Site: Pecos Federal #001Y

Client Sample ID: PH02 Date Collected: 05/18/22 14:00

Date Received: 05/19/22 16:11 Sample Depth: 6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/23/22 08:23	05/23/22 13:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/23/22 08:23	05/23/22 13:18	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/23/22 08:23	05/23/22 13:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				05/23/22 08:23	05/23/22 13:18	1
o-Terphenyl	106		70 - 130				05/23/22 08:23	05/23/22 13:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	594	4.96	mg/Kg			05/25/22 06:00	1

Client Sample ID: PH02

Date Collected: 05/18/22 14:05 Date Received: 05/19/22 16:11 Sample Depth: 7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		05/23/22 11:13	05/23/22 14:24	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/23/22 11:13	05/23/22 14:24	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/23/22 11:13	05/23/22 14:24	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		05/23/22 11:13	05/23/22 14:24	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/23/22 11:13	05/23/22 14:24	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		05/23/22 11:13	05/23/22 14:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				05/23/22 11:13	05/23/22 14:24	1
1,4-Difluorobenzene (Surr)	96		70 - 130				05/23/22 11:13	05/23/22 14:24	1
Methody Total DTEV Total	DTEX Coloulo	tion							
Method: Total BTEX - Tota						_	_ .		
Analyte	Result	Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Analyte		Qualifier	RL	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 05/23/22 17:01	Dil Fac
Analyte Total BTEX	Result <0.00397	Qualifier U	0.00397	MDL		D	Prepared	·	Dil Fac
Analyte Total BTEX Method: 8015 NM - Diesel	Result <0.00397	Qualifier U	0.00397			D 	Prepared Prepared	·	Dil Fac
Method: Total BTEX - Total Analyte Total BTEX Method: 8015 NM - Diesel Analyte Total TPH	Result <0.00397	Qualifier U s (DRO) (C Qualifier	0.00397		mg/Kg		<u>.</u>	05/23/22 17:01	1
Analyte Total BTEX Method: 8015 NM - Diesel Analyte Total TPH	Range Organic Range Arganic Arganic Result 49.8	Qualifier U s (DRO) (C Qualifier U	0.00397 GC) RL 49.8		mg/Kg Unit		<u>.</u>	05/23/22 17:01	1
Analyte Total BTEX Method: 8015 NM - Diesel Analyte Total TPH Method: 8015B NM - Diese	Range Organic Range Organic Result 49.8	Qualifier U s (DRO) (C Qualifier U	0.00397 GC) RL 49.8		mg/Kg Unit mg/Kg		<u>.</u>	05/23/22 17:01	1 Dil Fac
Analyte Total BTEX Method: 8015 NM - Diesel Analyte	Range Organic Range Organic Result 49.8	Qualifier U s (DRO) (C Qualifier U ics (DRO) Qualifier	<u> </u>	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared	05/23/22 17:01 Analyzed 05/24/22 08:44	1

1

1

1

Job ID: 890-2323-1 SDG: 03A1987014

Lab Sample ID: 890-2323-3 Matrix: Solid

Lab Sample ID: 890-2323-4

Matrix: Solid

		Client	Sample I	Resul	ts				
Client: Ensolum			-					Job ID: 890-	-2323-1
Project/Site: Pecos Federal #001	Y							SDG: 03A1	987014
Client Sample ID: PH02 Date Collected: 05/18/22 14:05 Date Received: 05/19/22 16:11 Sample Depth: 7							Lab Samp	le ID: 890-2 Matrix	2 323-4 :: Solid
Method: 300.0 - Anions, Ion C Analyte	-	phy - Solu Qualifier	ible RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	534		4.98		mg/Kg			06/15/22 05:05	1
Client Sample ID: PH11							Lah Samn	le ID: 890-2	222-5
Date Collected: 05/18/22 11:05 Date Received: 05/19/22 16:11 Sample Depth: 0.5									: Solid
Method: 8021B - Volatile Orga Analyte		u <mark>nds (GC)</mark> Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200		0.00200		mg/Kg		05/23/22 11:13	05/23/22 14:44	
Toluene	<0.00200	U	0.00200		mg/Kg		05/23/22 11:13	05/23/22 14:44	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/23/22 11:13	05/23/22 14:44	
m-Xylene & p-Xylene	<0.00399		0.00399		mg/Kg		05/23/22 11:13	05/23/22 14:44	
o-Xylene	<0.00200		0.00200		mg/Kg		05/23/22 11:13	05/23/22 14:44	
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/23/22 11:13	05/23/22 14:44	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	109		70 - 130				05/23/22 11:13	05/23/22 14:44	
1,4-Difluorobenzene (Surr)	95		70 - 130				05/23/22 11:13	05/23/22 14:44	
Method: Total BTEX - Total B	FEX Calcula	tion							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/23/22 17:01	
Method: 8015 NM - Diesel Rar			GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	70.6		50.0		mg/Kg			05/24/22 08:44	
Method: 8015B NM - Diesel Ra			· · · ·						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/23/22 08:23	05/23/22 12:12	
Diesel Range Organics (Over C10-C28)	70.6		50.0		mg/Kg		05/23/22 08:23	05/23/22 12:12	
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/23/22 08:23	05/23/22 12:12	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	97		70 - 130				05/23/22 08:23	05/23/22 12:12	
o-Terphenyl	106		70 - 130				05/23/22 08:23	05/23/22 12:12	
Method: 300.0 - Anions, Ion C Analyte		phy - Solu Qualifier	I <mark>ble</mark> RL	мп	Unit	D	Prepared	Analyzed	Dil Fa
		quantier			<u> </u>			Analyzeu	Billa

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05/25/22 06:18

Chloride

4.99

mg/Kg
Client Sample Results

Client: Ensolum Project/Site: Pecos Federal #001Y

Client Sample ID: PH11 Date Collected: 05/18/22 11:10 Date Received: 05/19/22 16:11 Sample Depth: 7

Lab Sample ID: 890-2323-6

Matrix: Solid

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Method: 8021B - Volatile Orga Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00199	U	0.00199		mg/Kg		05/23/22 11:13	05/23/22 15:05	
Toluene	<0.00199	U	0.00199		mg/Kg		05/23/22 11:13	05/23/22 15:05	
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/23/22 11:13	05/23/22 15:05	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/23/22 11:13	05/23/22 15:05	
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/23/22 11:13	05/23/22 15:05	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/23/22 11:13	05/23/22 15:05	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	110		70 - 130				05/23/22 11:13	05/23/22 15:05	
1,4-Difluorobenzene (Surr)	95		70 - 130				05/23/22 11:13	05/23/22 15:05	
Method: Total BTEX - Total B	EX Calcula	tion							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/23/22 17:01	
Method: 8015 NM - Diesel Rar			SC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<49.9	U	49.9		mg/Kg			05/24/22 08:44	
Method: 8015B NM - Diesel Ra	ange Organ	ics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/23/22 08:23	05/23/22 14:02	
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/23/22 08:23	05/23/22 14:02	
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/23/22 08:23	05/23/22 14:02	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	97		70 - 130				05/23/22 08:23	05/23/22 14:02	
o-Terphenyl	107		70 - 130				05/23/22 08:23	05/23/22 14:02	
Method: 300.0 - Anions, Ion C	hromatogra	iphy - Solu	ıble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	4740		49.8		mg/Kg			05/25/22 06:46	1
lient Sample ID: PH12							Lab Samp	le ID: 890-2	323-
ate Collected: 05/18/22 12:15								Matrix	: Soli
ate Received: 05/19/22 16:11 ample Depth: 1									
Method: 8021B - Volatile Orga Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00198	U	0.00198		mg/Kg		05/23/22 11:13	05/23/22 13:22	
Toluene	<0.00198		0.00198		mg/Kg		05/23/22 11:13	05/23/22 13:22	
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/23/22 11:13	05/23/22 13:22	
m-Xylene & p-Xylene	<0.00397		0.00397		mg/Kg		05/23/22 11:13	05/23/22 13:22	
o-Xylene	<0.00198		0.00198		mg/Kg			05/23/22 13:22	
					J J				

Xylenes, Total <0.00397 U 0.00397 mg/Kg 05/23/22 11:13 05/23/22 13:22 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 110 70 - 130 05/23/22 11:13 05/23/22 13:22

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1

1

Released to Imaging: 9/20/2022 11:04:35 AM

Client Sample Results

Job ID: 890-2323-1 SDG: 03A1987014

Matrix: Solid

Lab Sample ID: 890-2323-7

Client Sample ID: PH12

Project/Site: Pecos Federal #001Y

Client: Ensolum

Date Collected: 05/18/22 12:15
Date Received: 05/19/22 16:11
Sample Depth: 1

Method: 8021B - Volatile	Organic Compou	inds (GC)	(Continued)						
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	96		70 - 130				05/23/22 11:13	05/23/22 13:22	1
	al BTEX Calculat	ion							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			05/23/22 17:01	1
Method: 8015 NM - Diesel	Range Organics	s (DRO) (O	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/24/22 08:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/23/22 08:23	05/23/22 14:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/23/22 08:23	05/23/22 14:24	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/23/22 08:23	05/23/22 14:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				05/23/22 08:23	05/23/22 14:24	1
o-Terphenyl	107		70 - 130				05/23/22 08:23	05/23/22 14:24	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

nalyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
loride	382	5.05	mg/Kg			05/23/22 13:35	1

Client Sample ID: PH12 Date Collected: 05/18/22 12:20 Date Received: 05/19/22 16:11

Sample Depth: 7

Method: 8021B - Volatile O	rganic Compo	unds (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/23/22 11:13	05/23/22 15:25	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/23/22 11:13	05/23/22 15:25	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/23/22 11:13	05/23/22 15:25	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/23/22 11:13	05/23/22 15:25	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/23/22 11:13	05/23/22 15:25	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/23/22 11:13	05/23/22 15:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				05/23/22 11:13	05/23/22 15:25	1
1,4-Difluorobenzene (Surr)	96		70 - 130				05/23/22 11:13	05/23/22 15:25	1
 Method: Total BTEX - Total	BTEX Calcula	tion							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/23/22 17:01	1
_ Method: 8015 NM - Diesel F	Range Organic	s (DRO) (0	SC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/24/22 08:44	1

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Matrix: Solid

Lab Sample ID: 890-2323-8

Client Sample Results

Client Sample ID: PH12 Date Collected: 05/18/22 12:20

Date Received: 05/19/22 12:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/23/22 08:23	05/23/22 12:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/23/22 08:23	05/23/22 12:56	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/23/22 08:23	05/23/22 12:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				05/23/22 08:23	05/23/22 12:56	1
o-Terphenyl	110		70 - 130				05/23/22 08:23	05/23/22 12:56	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	599		4.95		mg/Kg			06/15/22 05:14	1

Client Sample ID: PH13

Date Collected: 05/18/22 12:30 Date Received: 05/19/22 16:11 Sample Depth: 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/23/22 11:13	05/23/22 17:29	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/23/22 11:13	05/23/22 17:29	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/23/22 11:13	05/23/22 17:29	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/23/22 11:13	05/23/22 17:29	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/23/22 11:13	05/23/22 17:29	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/23/22 11:13	05/23/22 17:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				05/23/22 11:13	05/23/22 17:29	1
1,4-Difluorobenzene (Surr)	97		70 - 130				05/23/22 11:13	05/23/22 17:29	1
Method: Total BTEX - Total	BTEX Calcula	tion							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			05/23/22 17:01	1
Method: 8015 NM - Diesel	Range Organic	s (DRO) (0	SC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/24/22 08:44	1
Method: 8015B NM - Diese	I Range Organ	ics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL		D	Prepared	Analvzed	Dil Fac

Gasoline Range Organics <49.9 U 49.9 mg/Kg 05/23/22 08:24 05/23/22 14:46 1 (GRO)-C6-C10 49.9 05/23/22 08:24 05/23/22 14:46 **Diesel Range Organics (Over** <49.9 U mg/Kg 1 C10-C28) Oll Range Organics (Over C28-C36) <49.9 U 49.9 mg/Kg 05/23/22 08:24 05/23/22 14:46 1 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 70 - 130 05/23/22 08:24 05/23/22 14:46 1-Chlorooctane 100 1 o-Terphenyl 111 70 - 130 05/23/22 08:24 05/23/22 14:46 1

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Job ID: 890-2323-1 SDG: 03A1987014

Lab Sample ID: 890-2323-8 Matrix: Solid

Lab Sample ID: 890-2323-9

Matrix: Solid

Matrix: Solid

		Client	Sample I	Resul	ts				
Client: Ensolum Project/Site: Pecos Federal #001՝	Y							Job ID: 890- SDG: 03A19	
Client Sample ID: PH13 Date Collected: 05/18/22 12:30 Date Received: 05/19/22 16:11 Sample Depth: 2							Lab Samp	le ID: 890-2 Matrix	2 323-9 :: Solid
- Method: 300.0 - Anions, Ion Cl Analyte		a <mark>phy - Solul</mark> Qualifier	ble RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1460		24.8		mg/Kg			05/25/22 07:04	5
Client Sample ID: PH13 Date Collected: 05/18/22 12:35 Date Received: 05/19/22 16:11 Sample Depth: 7						L	.ab Sample	e ID: 890-23 Matrix	823-10 :: Solid
Method: 8021B - Volatile Orga				MDI	• • • • •		Description	A	
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199		0.00199		mg/Kg				1
Toluene	<0.00199		0.00199		mg/Kg				1
Ethylbenzene	<0.00199		0.00199		mg/Kg			05/23/22 17:50	1
m-Xylene & p-Xylene	<0.00398		0.00398		mg/Kg			05/23/22 17:50	1
o-Xylene	< 0.00199		0.00199		mg/Kg			05/23/22 17:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/23/22 11:13	05/23/22 17:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				05/23/22 11:13		1
1,4-Difluorobenzene (Surr)	99		70 - 130				05/23/22 11:13	05/23/22 17:50	1
Method: Total BTEX - Total BT	EX Calcula	tion							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/23/22 17:01	1
_ Method: 8015 NM - Diesel Ran	nge Organic	s (DRO) (G	(C)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/24/22 08:44	1
Method: 8015B NM - Diesel Ra	ango Organ								
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0		50.0		mg/Kg	_ -	· · · · · · · · · · · · · · · · · · ·	05/23/22 15:08	1
(GRO)-C6-C10		0	• • •					••••	
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		05/23/22 08:24	05/23/22 15:08	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/23/22 08:24	05/23/22 15:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				05/23/22 08:24	05/23/22 15:08	1
- , ,	111		70 - 130				05/23/22 08:24	05/23/22 15:08	1
o-Terphenyl									
		nhy Colu							
o-Terphenyl 	hromatogra	a <mark>phy - Solul</mark> Qualifier	ble RL	мпі	Unit	D	Prepared	Analyzed	Dil Fac

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Client: Ensolum Project/Site: Pecos Federal #001Y

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

		DED4	-	gate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)		
890-2323-1	PH01				
		109	93		
890-2323-1 MS	PH01	118	91		
890-2323-1 MSD	PH01	110	95		- 7
890-2323-2	PH01	111	97		
890-2323-3	PH02	108	95		
890-2323-4	PH02	111	96		
890-2323-5	PH11	109	95		
890-2323-6	PH11	110	95		
890-2323-7	PH12	110	96		
890-2323-8	PH12	112	96		
890-2323-9	PH13	112	97		
890-2323-10	PH13	113	99		
LCS 880-26086/1-A	Lab Control Sample	108	92		
LCSD 880-26086/2-A	Lab Control Sample Dup	113	90		
MB 880-26086/5-A	Method Blank	107	89		
Surrogate Legend					
BFB = 4-Bromofluorob	enzene (Surr)				
DFBZ = 1,4-Difluorobe	nzene (Surr)				

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

			Percent Surro	ogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
ab Sample ID	Client Sample ID	(70-130)	(70-130)	
390-2323-1	PH01	109	119	
390-2323-2	PH01	88	97	
90-2323-2 MS	PH01	101	102	
90-2323-2 MSD	PH01	93	93	
90-2323-3	PH02	97	106	
90-2323-4	PH02	77	85	
90-2323-5	PH11	97	106	
90-2323-6	PH11	97	107	
90-2323-7	PH12	98	107	
90-2323-8	PH12	98	110	
90-2323-9	PH13	100	111	
90-2323-10	PH13	98	111	
CS 880-26028/2-A	Lab Control Sample	103	107	
CSD 880-26028/3-A	Lab Control Sample Dup	109	113	
/IB 880-26028/1-A	Method Blank	107	122	

Surrogate Legend

1CO = 1-Chlorooctane

6/15/2022 (Rev. 1)

Prep Type: Total/NA

Prep Type: Total/NA

Project/Site: Pecos Federal #001Y

Method: 8021B - Volatile Organic Compounds (GC)

Analysis Batch: 26017								Prep Batch:	
	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/23/22 11:13	05/23/22 12:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/23/22 11:13	05/23/22 12:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/23/22 11:13	05/23/22 12:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/23/22 11:13	05/23/22 12:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/23/22 11:13	05/23/22 12:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/23/22 11:13	05/23/22 12:40	1
	MB	МВ							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				05/23/22 11:13	05/23/22 12:40	1
1,4-Difluorobenzene (Surr)	89		70 - 130				05/23/22 11:13	05/23/22 12:40	1

Lab Sample ID: LCS 880-26086/1-A Matrix: Solid Analysis Batch: 26017

· ·	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.07806		mg/Kg		78	70 - 130	
Toluene	0.100	0.09288		mg/Kg		93	70 - 130	
Ethylbenzene	0.100	0.09738		mg/Kg		97	70 - 130	
m-Xylene & p-Xylene	0.200	0.2011		mg/Kg		101	70 - 130	
o-Xylene	0.100	0.1007		mg/Kg		101	70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: LCSD 880-26086/2-A **Matrix: Solid**

Analysis Batch: 26017

Analysis Batch: 26017							Batch: 26086	
	Spike	LCSD LCSD				%Rec		RPD
Analyte	Added	Result Qualifier	· Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.07770	mg/Kg		78	70 - 130	0	35
Toluene	0.100	0.09565	mg/Kg		96	70 - 130	3	35
Ethylbenzene	0.100	0.1006	mg/Kg		101	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2095	mg/Kg		105	70 - 130	4	35
o-Xylene	0.100	0.1055	mg/Kg		105	70 - 130	5	35
1.00								

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: 890-2323-1 MS Matrix: Solid

Prep Type: Total/NA Analysis Batch: 26017 Prep Batch: 26086 MS MS Spike %Rec Sample Sample Analyte **Result Qualifier** Added **Result Qualifier** Unit %Rec Limits D mg/Kg Benzene <0.00201 U 0.101 0.07463 74 70 - 130 Toluene <0.00201 U 0.101 0.08606 mg/Kg 85 70 - 130

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Client Sample ID: PH01

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Client: Ensolum		

Lab Sample ID: MB 880-26086/5-A

Matrix: Solid

Released to Imaging: 9/20/2022 11:04:35 AM

Client Sample ID: Lab Control Sample Dup

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 26086

Client: Ensolum Project/Site: Pecos Federal #001Y

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

Lab Sample ID: 890-2323 Matrix: Solid	8-1 MS							С	lient Sam Prep Ty			
Analysis Batch: 26017	Sample	Sample	Spike	MS	MS				Prep E %Rec	Batch: 2	26086	5
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Ethylbenzene	<0.00201	U	0.101	0.08076		mg/Kg		80	70 - 130			
m-Xylene & p-Xylene	< 0.00402	U	0.202	0.1659		mg/Kg		82	70 - 130			
o-Xylene	<0.00201	U	0.101	0.08089		mg/Kg		80	70 - 130			7
	MS	MS										
Surrogate	%Recovery	Qualifier	Limits									8
4-Bromofluorobenzene (Surr)			70 - 130									
1,4-Difluorobenzene (Surr)	91		70 - 130									9
Lab Sample ID: 890-2323	-1 MSD							С	lient Sam	ple ID:	PH01	
Matrix: Solid									Prep Ty	•		
Analysis Batch: 26017										Batch: 2		
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	<0.00201	U	0.0990	0.07739		mg/Kg		78	70 - 130	4	35	
Toluene	<0.00201	U	0.0990	0.08395		mg/Kg		85	70 - 130	2	35	
Ethylbenzene	<0.00201	U	0.0990	0.07464		mg/Kg		75	70 - 130	8	35	
m-Xylene & p-Xylene	<0.00402	U	0.198	0.1500		mg/Kg		76	70 - 130	10	35	
o-Xylene	<0.00201	U	0.0990	0.07520		mg/Kg		76	70 - 130	7	35	
	MSD	MSD										
	a. –	a										

	WISD	WISD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

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

Lab Sample ID: MB 880-26028/1-A **Matrix: Solid** Analysis Batch: 26024

-	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/23/22 08:23	05/23/22 09:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/23/22 08:23	05/23/22 09:53	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/23/22 08:23	05/23/22 09:53	1
	MB	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	107	70 - 130
o-Terphenyl	122	70 - 130

Lab Sample ID: LCS 880-26028/2-A Matrix: Solid Analysis Batch: 26024

Analysis Batch: 26024							Prep E	atch: 26028
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	888.2		mg/Kg		89	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	800.7		mg/Kg		80	70 - 130	
C10-C28)								

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Prep Type: Total/NA

Client Sample ID: Method Blank

05/23/22 08:23 05/23/22 09:53

05/23/22 08:23 05/23/22 09:53

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 26028

Job ID: 890-2323-1 SDG: 03A1987014

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Client: Ensolum Project/Site: Pecos Federal #001Y

Matrix: Solid

Lab Sample ID: LCS 880-26028/2-A

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

Client Sample ID: Lab Control Sample Prep Type: Total/NA Prep Batch: 26028 7 Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Client Sample ID: PH01 Prop Type: Total/NA

Analysis Batch: 26024			
	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	107		70 - 130

Lab Sample ID: LCSD 880-26028/3-A Matrix: Solid

Analysis Batch: 26024							Prep E	Batch: 2	26028
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	 1000	908.6		mg/Kg		91	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	914.8		mg/Kg		91	70 - 130	13	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	109		70 - 130
o-Terphenyl	113		70 - 130

Lab Sample ID: 890-2323-2 MS . Matrix: Solid

Analysis Batch: 26024										Batch: 26028
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1 F2	1000	1466	F1	mg/Kg		144	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	948.2		mg/Kg		95	70 - 130	

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	102		70 - 130

Lab Sample ID: 890-2323-2 MSD **Matrix: Solid**

Analysis Batch: 26024									Prep E	Batch: 2	26028
	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 F1 F2	999	1176	F2	mg/Kg		116	70 - 130	22	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	871.0		mg/Kg		87	70 - 130	8	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	93		70 - 130

Prep Type: Total/NA

Client Sample ID: PH01

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Client: Ensolum

QC Sample Results

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Job ID: 890-2323-1 SDG: 03A1987014

Project/Site: Pecos Federal #001Y

Method: 300.0 - Anions, Ion Chromatography

_ Lab Sample ID: MB 880-20 Matrix: Solid	6083/1-A									Clie	ent Sam	nple ID: M Prep Ty		
Analysis Batch: 26099													,	
		ΜВ	МВ											
Analyte	Re	sult	Qualifier		RL		MDL	Unit	I	D P	repared	Analyz	zed	Dil Fa
Chloride	<	5.00	U		5.00			mg/K	g			05/23/22	13:07	
Lab Sample ID: LCS 880-2 Matrix: Solid	26083/2-A								Clie	nt Sa	mple ID	: Lab Cor Prep Ty		
Analysis Batch: 26099														
Analyta				Spike Added		LCS Result	LCS		Unit	D	%Rec	%Rec Limits		
Analyte Chloride				250		236.5	Qua	limer	mg/Kg		95	90 - 110		
				200		200.0			ilig/itg		00	001110		
Lab Sample ID: LCSD 880 Matrix: Solid	-26083/3-A							C	Client Sa	mple	ID: Lat	Control S Prep Ty		
Analysis Batch: 26099				Spika		LCSD		D				%Rec		RPD
Analyte				Spike Added		Result			Unit	D	%Rec	Limits	RPD	
Chloride				250		236.2			mg/Kg		94	90 - 110		
Lab Sample ID: 890-2323- Matrix: Solid Analysis Batch: 26099	7 MS										C	lient Samı Prep Ty		
	Sample	Sam	ple	Spike		MS	MS					%Rec		
Analyte	Result	Qual	ifier	Added		Result	Qua	lifier	Unit	D	%Rec	Limits		
Lab Sample ID: 890-2323- Matrix: Solid Analysis Batch: 26099	7 MSD Sample	Sam	nle	Spike		MSD	MSI	٦ ٦			C	lient Samı Prep Ty %Rec		
Analyte	Result		•	Added		Result	-		Unit	D	%Rec	Limits	RPD	
Chloride	382			253		614.2			mg/Kg		92	90 - 110		
Lab Sample ID: MB 880-20 Matrix: Solid Analysis Batch: 26199 Analyte		MB sult	MB Qualifier		RL		MDL	Unit			e <mark>nt Sarr</mark> Prepared	nple ID: M Prep Ty Analyz	ype: S	
Chloride	<	5.00	U		5.00			mg/K	g			05/25/22	04:55	
Lab Sample ID: LCS 880-2 Matrix: Solid Analysis Batch: 26199	26084/2-A								Clie	nt Sa	mple ID	: Lab Cor Prep Ty		
				Spike		LCS						%Rec		
Analyte				Added		Result	Qua	lifier	Unit	D	%Rec	Limits		
Chloride Lab Sample ID: LCSD 880 Matrix: Solid	-26084/3-A			250		247.4		C	mg/Kg Client Sa	mple	99 ID: Lat	90 - 110 Control 5 Prep Ty		
Analysis Batch: 26199														
,				Spike		LCSD	LCS	D				%Rec		RPD
Analyte				Added		Result	Qua	lifier	Unit	D	%Rec	Limits	RPD) Limi
Chloride				250		255.6			mg/Kg		102	90 - 110	3	3 20

Eurofins Carlsbad

Client: Ensolum Project/Site: Pecos Federal #001Y

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-2323-1 Matrix: Solid	MS							СІ	lient Samı Prep Ty		
Analysis Batch: 26199											
		Sample	Spike	-	MS				%Rec		
Analyte		Qualifier	Added		Qualifier	Unit	_ D	%Rec	Limits		
Chloride	233		249	458.2		mg/Kg		91	90 - 110		
Lab Sample ID: 890-2323-1 Matrix: Solid Analysis Batch: 26199	MSD							CI	lient Samı Prep Ty		
Analysis Baten. 20100	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte		Qualifier	Added	_	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	233		249	477.2		mg/Kg		98	90 - 110	4	20
	200		245	-11.2		iiig/itg		50	50-110	-	20
Lab Sample ID: MB 880-27 Matrix: Solid Analysis Batch: 27545	511/1-A	МВ МВ					Clie	ent Sam	ple ID: Mo Prep Ty		
Analyta	De	sult Qualifier		RL		D) vo vo vo d	A mahr	d	
Analyte					MDL Unit	<u> </u>		repared	Analyz		Dil Fac
Chloride	<	5.00 U		5.00	mg/K	g			06/15/22	00:47	1
Lab Sample ID: LCS 880-2 Matrix: Solid Analysis Batch: 27545	7511/2-A					Clien	t Sa	mple ID	: Lab Con Prep Ty		
			Spike	LCS	LCS				%Rec		
Analyte			Added	-	Qualifier	Unit	D	%Rec	Limits		
Chloride			250	255.1		mg/Kg		102	90 - 110		
						0 0					
Lab Sample ID: LCSD 880- Matrix: Solid	27511/3-A				C	Client San	nple	ID: Lab	Control S Prep Ty		
Analysis Batch: 27545										-	
			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride			250	260.1		mg/Kg		104	90 - 110	2	20
Lab Sample ID: 880-15827- Matrix: Solid	A-9-B MS						С	lient Sa	mple ID: M Prep Ty		
Analysis Batch: 27545											
-	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	5000	F1	5010	10950	F1	mg/Kg		119	90 - 110		
Lab Sample ID: 880-15827- Matrix: Solid Analysis Batch: 27545						Client S	amp	ole ID: N	latrix Spik Prep Ty		oluble
	-	Sample	Spike		MSD				%Rec		RPD
Analyte		Qualifier	Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	5000	F1	4990	10970	F1	mg/Kg		120	90 - 110	0	20

Job ID: 890-2323-1

SDG: 03A1987014

Client: Ensolum Project/Site: Pecos Federal #001Y

GC VOA

Analysis Batch: 26017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2323-1	PH01	Total/NA	Solid	8021B	26086
890-2323-2	PH01	Total/NA	Solid	8021B	26086
890-2323-3	PH02	Total/NA	Solid	8021B	26086
890-2323-4	PH02	Total/NA	Solid	8021B	26086
890-2323-5	PH11	Total/NA	Solid	8021B	26086
890-2323-6	PH11	Total/NA	Solid	8021B	26086
890-2323-7	PH12	Total/NA	Solid	8021B	26086
890-2323-8	PH12	Total/NA	Solid	8021B	26086
890-2323-9	PH13	Total/NA	Solid	8021B	26086
890-2323-10	PH13	Total/NA	Solid	8021B	26086
MB 880-26086/5-A	Method Blank	Total/NA	Solid	8021B	26086
LCS 880-26086/1-A	Lab Control Sample	Total/NA	Solid	8021B	26086 <
LCSD 880-26086/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	26086
890-2323-1 MS	PH01	Total/NA	Solid	8021B	26086
890-2323-1 MSD	PH01	Total/NA	Solid	8021B	26086

Prep Batch: 26086

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2323-1	PH01	Total/NA	Solid	5035	
890-2323-2	PH01	Total/NA	Solid	5035	
890-2323-3	PH02	Total/NA	Solid	5035	
890-2323-4	PH02	Total/NA	Solid	5035	
890-2323-5	PH11	Total/NA	Solid	5035	
890-2323-6	PH11	Total/NA	Solid	5035	
890-2323-7	PH12	Total/NA	Solid	5035	
890-2323-8	PH12	Total/NA	Solid	5035	
890-2323-9	PH13	Total/NA	Solid	5035	
890-2323-10	PH13	Total/NA	Solid	5035	
MB 880-26086/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-26086/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-26086/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2323-1 MS	PH01	Total/NA	Solid	5035	
890-2323-1 MSD	PH01	Total/NA	Solid	5035	

Analysis Batch: 26109

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-2323-1	PH01	Total/NA	Solid	Total BTEX	
890-2323-2	PH01	Total/NA	Solid	Total BTEX	
890-2323-3	PH02	Total/NA	Solid	Total BTEX	
890-2323-4	PH02	Total/NA	Solid	Total BTEX	
890-2323-5	PH11	Total/NA	Solid	Total BTEX	
890-2323-6	PH11	Total/NA	Solid	Total BTEX	
890-2323-8	PH12	Total/NA	Solid	Total BTEX	
890-2323-9	PH13	Total/NA	Solid	Total BTEX	
890-2323-10	PH13	Total/NA	Solid	Total BTEX	

Analysis Batch: 26110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2323-7	PH12	Total/NA	Solid	Total BTEX	

Job ID: 890-2323-1 SDG: 03A1987014

Released to	o Imaging:	9/20/2022	11:04:35 AM
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Client: Ensolum Project/Site: Pecos Federal #001Y

GC Semi VOA

Analysis Batch: 26024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2323-1	PH01	Total/NA	Solid	8015B NM	26028
890-2323-2	PH01	Total/NA	Solid	8015B NM	26028
890-2323-3	PH02	Total/NA	Solid	8015B NM	26028
890-2323-4	PH02	Total/NA	Solid	8015B NM	26028
890-2323-5	PH11	Total/NA	Solid	8015B NM	26028
890-2323-6	PH11	Total/NA	Solid	8015B NM	26028
890-2323-7	PH12	Total/NA	Solid	8015B NM	26028
890-2323-8	PH12	Total/NA	Solid	8015B NM	26028
890-2323-9	PH13	Total/NA	Solid	8015B NM	26028
890-2323-10	PH13	Total/NA	Solid	8015B NM	26028
MB 880-26028/1-A	Method Blank	Total/NA	Solid	8015B NM	26028
LCS 880-26028/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	26028
LCSD 880-26028/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	26028
890-2323-2 MS	PH01	Total/NA	Solid	8015B NM	26028
890-2323-2 MSD	PH01	Total/NA	Solid	8015B NM	26028

Prep Batch: 26028

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2323-1	PH01	Total/NA	Solid	8015NM Prep	
890-2323-2	PH01	Total/NA	Solid	8015NM Prep	
890-2323-3	PH02	Total/NA	Solid	8015NM Prep	
890-2323-4	PH02	Total/NA	Solid	8015NM Prep	
890-2323-5	PH11	Total/NA	Solid	8015NM Prep	
890-2323-6	PH11	Total/NA	Solid	8015NM Prep	
890-2323-7	PH12	Total/NA	Solid	8015NM Prep	
890-2323-8	PH12	Total/NA	Solid	8015NM Prep	
890-2323-9	PH13	Total/NA	Solid	8015NM Prep	
890-2323-10	PH13	Total/NA	Solid	8015NM Prep	
MB 880-26028/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-26028/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-26028/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2323-2 MS	PH01	Total/NA	Solid	8015NM Prep	
890-2323-2 MSD	PH01	Total/NA	Solid	8015NM Prep	

Analysis Batch: 26125

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-2323-1	PH01	Total/NA	Solid	8015 NM	
890-2323-2	PH01	Total/NA	Solid	8015 NM	
890-2323-3	PH02	Total/NA	Solid	8015 NM	
890-2323-4	PH02	Total/NA	Solid	8015 NM	
890-2323-5	PH11	Total/NA	Solid	8015 NM	
890-2323-6	PH11	Total/NA	Solid	8015 NM	
890-2323-8	PH12	Total/NA	Solid	8015 NM	
890-2323-9	PH13	Total/NA	Solid	8015 NM	
890-2323-10	PH13	Total/NA	Solid	8015 NM	

Analysis Batch: 26126

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2323-7	PH12	Total/NA	Solid	8015 NM	

Job ID: 890-2323-1 SDG: 03A1987014

Client: Ensolum Project/Site: Pecos Federal #001Y

HPLC/IC

Leach Batch: 26083

Lab Sample ID 890-2323-7	Client Sample ID PH12	Prep Type Soluble	Matrix Solid	Method DI Leach	Prep Batch
MB 880-26083/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-26083/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-26083/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2323-7 MS	PH12	Soluble	Solid	DI Leach	
890-2323-7 MSD	PH12	Soluble	Solid	DI Leach	

Leach Batch: 26084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	
890-2323-1	PH01	Soluble	Solid	DI Leach		
890-2323-2	PH01	Soluble	Solid	DI Leach		
890-2323-3	PH02	Soluble	Solid	DI Leach		
890-2323-5	PH11	Soluble	Solid	DI Leach		
890-2323-6	PH11	Soluble	Solid	DI Leach		
890-2323-9	PH13	Soluble	Solid	DI Leach		
890-2323-10	PH13	Soluble	Solid	DI Leach		
MB 880-26084/1-A	Method Blank	Soluble	Solid	DI Leach		
LCS 880-26084/2-A	Lab Control Sample	Soluble	Solid	DI Leach		
LCSD 880-26084/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach		
890-2323-1 MS	PH01	Soluble	Solid	DI Leach		
890-2323-1 MSD	PH01	Soluble	Solid	DI Leach		

Analysis Batch: 26099

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-2323-7	PH12	Soluble	Solid	300.0	26083
MB 880-26083/1-A	Method Blank	Soluble	Solid	300.0	26083
LCS 880-26083/2-A	Lab Control Sample	Soluble	Solid	300.0	26083
LCSD 880-26083/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	26083
890-2323-7 MS	PH12	Soluble	Solid	300.0	26083
890-2323-7 MSD	PH12	Soluble	Solid	300.0	26083

Analysis Batch: 26199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2323-1	PH01	Soluble	Solid	300.0	26084
890-2323-2	PH01	Soluble	Solid	300.0	26084
890-2323-3	PH02	Soluble	Solid	300.0	26084
890-2323-5	PH11	Soluble	Solid	300.0	26084
890-2323-6	PH11	Soluble	Solid	300.0	26084
890-2323-9	PH13	Soluble	Solid	300.0	26084
890-2323-10	PH13	Soluble	Solid	300.0	26084
MB 880-26084/1-A	Method Blank	Soluble	Solid	300.0	26084
LCS 880-26084/2-A	Lab Control Sample	Soluble	Solid	300.0	26084
LCSD 880-26084/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	26084
890-2323-1 MS	PH01	Soluble	Solid	300.0	26084
890-2323-1 MSD	PH01	Soluble	Solid	300.0	26084

Leach Batch: 27511

Lab Sample ID 890-2323-4	Client Sample ID PH02	Prep Type Soluble	Matrix Solid	Method	Prep Batch
890-2323-8	PH12	Soluble	Solid	DI Leach	
MB 880-27511/1-A	Method Blank	Soluble	Solid	DI Leach	

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Job ID: 890-2323-1 SDG: 03A1987014

Client: Ensolum Project/Site: Pecos Federal #001Y

HPLC/IC (Continued)

Leach Batch: 27511 (Continued)

	leu)					
Leach Batch: 27511 (Continued)						
Lab Sample ID LCS 880-27511/2-A	Client Sample ID Lab Control Sample	Prep Type Soluble	Matrix Solid	Method DI Leach	Prep Batch	4
LCSD 880-27511/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach		5
880-15827-A-9-B MS	Matrix Spike	Soluble	Solid	DI Leach		
880-15827-A-9-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach		
Analysis Batch: 2754	5					
		D	Martin		David Datab	

atch: 27545

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	_
890-2323-4	PH02	Soluble	Solid	300.0	27511	8
890-2323-8	PH12	Soluble	Solid	300.0	27511	
MB 880-27511/1-A	Method Blank	Soluble	Solid	300.0	27511	9
LCS 880-27511/2-A	Lab Control Sample	Soluble	Solid	300.0	27511	
LCSD 880-27511/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	27511	
880-15827-A-9-B MS	Matrix Spike	Soluble	Solid	300.0	27511	
880-15827-A-9-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	27511	
						1;

Job ID: 890-2323-1 SDG: 03A1987014 Project/Site: Pecos Federal #001Y

Client Sample ID: PH01

Date Collected: 05/18/22 10:55

Date Received: 05/19/22 16:11

Batch

Туре

Prep

Analysis

Analysis

Analysis

Analysis

Leach

Analysis

Prep

Batch

5035

8021B

Total BTEX

8015NM Prep

8015 NM

8015B NM

DI Leach

300.0

Method

Client: Ensolum

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Soluble

Soluble

Initial

Amount

4.97 g

10.02 g

5.02 g

Batch

26086

26017

26109

26125

26028

26024

26084

26199

Number

Final

Amount

5 mL

10 mL

50 mL

Dil

1

1

1

1

1

Factor

Run

Job ID: 890-2323-1 SDG: 03A1987014

Lab Sample ID: 890-2323-1

Analyst

Prepared

or Analyzed

05/23/22 11:13 MR

05/23/22 13:02 MR

05/23/22 17:01 AJ

05/24/22 08:44 AJ

05/23/22 08:23 DM

05/23/22 12:34 AJ

05/23/22 11:02 SC

05/25/22 05:23 CH

Matrix: Solid

Lab

XEN MID

Matrix: Solid

Lab Sample ID: 890-2323-2

Lab Sample ID: 890-2323-3

Lab Sample ID: 890-2323-4

Matrix: Solid

Client Sample ID: PH01 Date Collected: 05/18/22 11:00 Date Received: 05/19/22 16:11

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	26086	05/23/22 11:13	MR	XEN MID
Total/NA	Analysis	8021B		1			26017	05/23/22 13:43	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26109	05/23/22 17:01	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			26125	05/24/22 08:44	AJ	XEN MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.01 g	10 mL	26028 26024	05/23/22 08:23 05/23/22 11:07		XEN MID XEN MID
Soluble Soluble	Leach Analysis	DI Leach 300.0		1	5.05 g	50 mL	26084 26199	05/23/22 11:02 05/25/22 05:51		XEN MID XEN MID

Client Sample ID: PH02 Date Collected: 05/18/22 14:00 Date Received: 05/19/22 16:11

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	26086	05/23/22 11:13	MR	XEN MID
Total/NA	Analysis	8021B		1			26017	05/23/22 14:04	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26109	05/23/22 17:01	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			26125	05/24/22 08:44	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	26028	05/23/22 08:23	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26024	05/23/22 13:18	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	26084	05/23/22 11:02	SC	XEN MID
Soluble	Analysis	300.0		1			26199	05/25/22 06:00	СН	XEN MID

Client Sample ID: PH02 Date Collected: 05/18/22 14:05 Date Received: 05/19/22 16:11

	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	26086	05/23/22 11:13	MR	XEN MID
Total/NA	Analysis	8021B		1			26017	05/23/22 14:24	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26109	05/23/22 17:01	AJ	XEN MID

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Matrix: Solid

Released to Imaging: 9/20/2022 11:04:35 AM

Job ID: 890-2323-1 SDG: 03A1987014

Matrix: Solid

Matrix: Solid

Matrix: Solid

Matrix: Solid

Lab Sample ID: 890-2323-4

Lab Sample ID: 890-2323-6

Lab Sample ID: 890-2323-7

Client Sample ID: PH02 Date Collected: 05/18/22 14:05 Date Received: 05/19/22 16:11

Project/Site: Pecos Federal #001Y

Client: Ensolum

Prep Type Total/NA	Batch Type Analysis	Batch <u>Method</u> 8015 NM	Run	Dil Factor	Initial Amount	Final Amount	Batch Number 26125	Prepared or Analyzed 05/24/22 08:44	Analyst	Lab XEN MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.04 g	10 mL	26028 26024	05/23/22 08:23 05/23/22 13:40		XEN MID XEN MID
Soluble Soluble	Leach Analysis	DI Leach 300.0		1	5.02 g	50 mL	27511 27545	06/14/22 13:24 06/15/22 05:05		XEN MID XEN MID
_	ple ID: PH1			•				Lab Sample		

Client Sample ID: PH11 Date Collected: 05/18/22 11:05 Date Received: 05/19/22 16:11

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	26086	05/23/22 11:13	MR	XEN MID
Total/NA	Analysis	8021B		1			26017	05/23/22 14:44	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26109	05/23/22 17:01	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			26125	05/24/22 08:44	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	26028	05/23/22 08:23	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26024	05/23/22 12:12	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	26084	05/23/22 11:02	SC	XEN MID
Soluble	Analysis	300.0		1			26199	05/25/22 06:18	СН	XEN MID

Client Sample ID: PH11 Date Collected: 05/18/22 11:10 Date Received: 05/19/22 16:11

_	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	26086	05/23/22 11:13	MR	XEN MID
Total/NA	Analysis	8021B		1			26017	05/23/22 15:05	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26109	05/23/22 17:01	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			26125	05/24/22 08:44	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	26028	05/23/22 08:23	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26024	05/23/22 14:02	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	26084	05/23/22 11:02	SC	XEN MID
Soluble	Analysis	300.0		10			26199	05/25/22 06:46	СН	XEN MID

Client Sample ID: PH12 Date Collected: 05/18/22 12:15 Date Received: 05/19/22 16:11

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	26086	05/23/22 11:13	MR	XEN MID
Total/NA	Analysis	8021B		1			26017	05/23/22 13:22	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26110	05/23/22 17:01	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			26126	05/24/22 08:44	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	26028	05/23/22 08:23	DM	XEN MID
Total/NA	Analysis	8015B NM		1	-		26024	05/23/22 14:24	AJ	XEN MID

Eurofins Carlsbad

Job ID: 890-2323-1 SDG: 03A1987014

Client Sample ID: PH12 Date Collected: 05/18/22 12:15 Date Received: 05/19/22 16:11

Project/Site: Pecos Federal #001Y

Client: Ensolum

Ргер Туре	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	26083	05/23/22 10:58	SC	XEN MID
Soluble	Analysis	300.0		1			26099	05/23/22 13:35	СН	XEN MID

Client Sample ID: PH12 Date Collected: 05/18/22 12:20 Date Received: 05/19/22 16:11

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	26086	05/23/22 11:13	MR	XEN MID
Total/NA	Analysis	8021B		1			26017	05/23/22 15:25	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26109	05/23/22 17:01	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			26125	05/24/22 08:44	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	26028	05/23/22 08:23	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26024	05/23/22 12:56	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	27511	06/14/22 13:24	SC	XEN MID
Soluble	Analysis	300.0		1			27545	06/15/22 05:14	СН	XEN MID

Client Sample ID: PH13 Date Collected: 05/18/22 12:30 Date Received: 05/19/22 16:11

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	26086	05/23/22 11:13	MR	XEN MID
Total/NA	Analysis	8021B		1			26017	05/23/22 17:29	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26109	05/23/22 17:01	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			26125	05/24/22 08:44	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	26028	05/23/22 08:24	DM	XEN MID
Total/NA	Analysis	8015B NM		1	-		26024	05/23/22 14:46	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	26084	05/23/22 11:02	SC	XEN MID
Soluble	Analysis	300.0		5			26199	05/25/22 07:04	CH	XEN MID

Client Sample ID: PH13 Date Collected: 05/18/22 12:35 Date Received: 05/19/22 16:11

Lab Sample ID: 890-2323-10 Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	26086	05/23/22 11:13	MR	XEN MID
Total/NA	Analysis	8021B		1			26017	05/23/22 17:50	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26109	05/23/22 17:01	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			26125	05/24/22 08:44	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	26028	05/23/22 08:24	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26024	05/23/22 15:08	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	26084	05/23/22 11:02	SC	XEN MID
Soluble	Analysis	300.0		1			26199	05/25/22 07:14	CH	XEN MID

Eurofins Carlsbad

Matrix: Solid

9

Lab Sample ID: 890-2323-7 Matrix: Solid

Lab Sample ID: 890-2323-8

	Dil	Initial	Final	Batch	Prepared		
un	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
		4.98 g	5 mL	26086	05/23/22 11:13	MR	XEN MID
	1			26017	05/23/22 15:25	MR	XEN MID
	1			26109	05/23/22 17:01	AJ	XEN MID
	1			26125	05/24/22 08:44	AJ	XEN MID
		10.00 g	10 mL	26028	05/23/22 08:23	DM	XEN MID
	1			26024	05/23/22 12:56	AJ	XEN MID
		5.05 g	50 mL	27511	06/14/22 13:24	SC	XEN MID
	1			27545	06/15/22 05:14	СН	XEN MID
					Lab Sample	e ID: 89	0-2323-
							atrix: Soli

Lab Chronicle

Client: Ensolum Project/Site: Pecos Federal #001Y

Laboratory References:

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

Job ID: 890-2323-1 SDG: 03A1987014

Eurofins Carlsbad

Client: Ensolum

Accreditation/Certification Summary

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4

Project/Site: Pecos Federal #001Y 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 analyte	s are included in this repo	ort but the laboratory is r	not certified by the governing authority	This list may include analytes for which
the agency does not		, but the laberatory is i		
0,		Matrix	Analyte	
the agency does not	offer certification.	, ,	, , , , ,	

Eurofins Carlsbad

Method Summary

Client: Ensolum Project/Site: Pecos Federal #001Y Job ID: 890-2323-1 SDG: 03A1987014

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

Protocol References:

ASTM = ASTM International

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

Laboratory References:

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

Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2323-1	PH01	Solid	05/18/22 10:55	05/19/22 16:11	4
890-2323-2	PH01	Solid	05/18/22 11:00	05/19/22 16:11	7
890-2323-3	PH02	Solid	05/18/22 14:00	05/19/22 16:11	6
390-2323-4	PH02	Solid	05/18/22 14:05	05/19/22 16:11	7
390-2323-5	PH11	Solid	05/18/22 11:05	05/19/22 16:11	0.5
390-2323-6	PH11	Solid	05/18/22 11:10	05/19/22 16:11	7
390-2323-7	PH12	Solid	05/18/22 12:15	05/19/22 16:11	1
390-2323-8	PH12	Solid	05/18/22 12:20	05/19/22 16:11	7
390-2323-9	PH13	Solid	05/18/22 12:30	05/19/22 16:11	2
390-2323-10	PH13	Solid	05/18/22 12:35	05/19/22 16:11	7

SDG: 03A1987014

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	Bon Bolill							lim Daley			W	Work Order Comments
Company Name: En	Ensolum LLC				Company Name:	ame:	De	ion Ene	Devon Energy Corporation	ation	Program: UST/PST P	PRP Brownfields RRC Superfund
	3122 National Parks Hwy	arks Hwy			Address:		531	5 Buen	5315 Buena Vista Dr.			
e ZIP:	Carlsbad, NM 88220	3220			City, State ZIP:	ZIP:	Car	Isbad, h	Carlsbad, NM 88220		Reporting: Level II Lev	Reporting: Level II Level III PST/UST TRRP Level IV
	989-854-0852			Email:	jim raley@dvn.com,	dvn.co		lill@en	bbelill@ensolum.com	n	Deliverables: EDD	ADaPT Other:
Project Name:	Pecos Federal #001Y	deral #00)1Y	Turn	Turn Around		_			ANALYSIS REC	REQUEST	Preservative Codes
Project Number:	03A19	03A1987014		Routine	Rush	Pres. Code	de s					None: NO DI Water: H ₂ O
Project Location:	Rura	Rural Eddy		Due Date:	5 Day TAT	_	-					Cool: Cool MeOH: Me
Sampler's Name:	Gilbert	Gilbert Moreno		TAT starts the	TAT starts the day received by	by		+	.0			HCL: HC HNO3: HN
PO #:	CC: 106	CC: 1061183501	1061084	the lab, if rec	the lab, if received by 4:30pm				300			H ₂ S0 ₄ : H ₂ NaOH: Na
SAMPLE RECEIPT	Temp Blank:	ank:	fes No	Wet Ice:	No CAL	nete		+	IOD			H ₃ PO ₄ : HP
Samples Received Intact:	(res)	No	Thermometer ID:	er ID:	2 / mar	5			ETI			NaHSO4: NABIS
Cooler Custody Seals:	Yes No	A O	Correction Factor:	actor:	-617	Pa		+	PAN	890-2323 Chain	hain of Custody	Na ₂ S ₂ O ₃ : NaSO ₃
Sample Custody Seals:	Yes No	(N/A)	Temperature Reading:	e Reading:	1	Ľ	A MI	-	- E	-		Zn Acetate+NaOH: Zn
			JOHEOTEO 1	Collected Lemperature.	0.0				RID			
Sample Identification		Matrix	Sampled	Sampled	Depth Co	Comp Cont	я вте	трн	CHL			sample Comments
PH01	6	S S S S S S S S S S S S S S S S S S S	5.18.22	10:55	4	Comp 1	×	×	×			Incident ID
PH01	(0)	S S S S S S S S S S S S S S S S S S S	5.18.22	11:00	7' C	comp 1	×	×	×			
PH02	(0)	0 U	5.18.22	14:00	6' Co	Comp 1	×	×	×			nAPP2208846424
PH02		S 5	5.18.22	14:05	7' C¢	Comp 1	×	×	×			
PH11			5.18.22		0.5' do	domp 1	×	×	×			
PH11	(0)	S 5	5.18.22	11:10	7' ¢c	¢omp 1	×	×	×			PH 12 (11)
/Сизн РН12	(0)	S 5	5.18.22	12:15	1' bo	Comp 1	×	×	×			* RUSH 24 HR X
PH12	(0)	S 5	5.18.22	12:20	7 1000	Comp 1	×	×	×			
PH13	s		5.18.22	12:30	2' Co	Comp 1	×	×	×			
PH13	S	5	.18.22	12:35	7 Cc	Comp 1	×	×	×			
Total 200.7 / 6010) 200.8 / 6020:	20:	8	8RCRA 13F	13PPM Texas 11	s 11 A	I Sb As	As Ba	Be B Cd	1 Ca Cr Co Cu Fe Pb	Mg Mn Mo Ni K Se	Ag SiO ₂ Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed	Metal(s) to be	analyzec		TCLP / S	TCLP / SPLP 6010: 8RCRA	8RCR	1	Sb As Ba Be	Be Cd	Cd Cr Co Cu Pb Mn Mo I	Mo Ni Se Ag TI U	Hg: 1631 / 245.1 / 7470 / 7471
Notice: Signature of this document and relinquishment of samples constitutes a valid purchase or of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any res of Eurofins Xenco. A minimum charge of \$86.00 will be applied to each project and a charge of \$6	rment and relinquis III be llable only for In charge of \$85.00	shment of s r the cost of will be app	amples cons f samples and piled to each p	titutes a valid pu d shall not assur	urchase order f me any respon: arge of \$5 for e	from clien sibility for each samp	t compa any los: ple subm	ny to Eur ses or ex itted to E	ofins Xenco, penses incur urofins Xenc	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 Service. Eurofins Xenco, A minimum charge of \$56,00 will be applied to each project and a charge of \$56 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiat of Service and submitted to Eurofins Xenco.	ctors. It assigns standard terms and conditions assare due to circumstances beyond the control terms will be enforced unless previously negotiated	onditions he control ly negotiated.
Relinquished by: (Signature)	signature)		. Reseiver	red hy: (Signature)	ture)		Dat	Date/Time				Received by: (Signature) Date/Time
(MANO			S		N		La	122	4:1/2			

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🔅 eurofins

Chain of Custody

Eurofins Carlsbad 1089 N Canal St.

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🔅 eurofins

				,					į									Ame	America
Client Information (Sub Contract Lab)	Sampler			Lab PM	Lab PM Kramer Teesico					្ឋ	Camer Tracking No(s)	icking t	lo(s)			30			
	Phone:			E-Mail Jessic	E-Mail Jessica Kramer@et.eurofinsus com	@et.eu	rofinsu	IS CON		N St	State of Origin: New Mexico	nigin: Xico				Page: Page	Page: Page 1 of 1		
Company Eurofins Environment Testing South Centr				Z Þ	Accreditations Required (See note): NELAP - Texas	s Require exas	d (See i	note):								-068 # qor	Job # 890-2323-1		
Address 1211 W Florida Ave	Due Date Requested 5/25/2022	đ					>	Analy	lvsis R	Requested	isted					Pre	Cod	2 8 5	,
City Midland	TAT Requested (days)	ys)·														אשר. י	HCL NaOH 7n Anetate		sNaO2
State Zip [.] TX, 79701									·····					• <u></u>	1962	μΩζ	Nitric Acid	DO D S N N	P Na2O4S Q Na2SO3 B Ma2SO3
Phone 432-704-5440(Tel)	PO #												•••		C57 B	ιο¬		TSTS	H2SO4 TSP Dodecahydrate
Email	WO #			oriNo			nioric								e C	<u>-</u> -	Ice DI Water	·	Acetone
Project Name: Percos Federal #001Y	Project #			(Yes	20500-015-0										inen	ŗΧ	K EDTA L-EDA	W - pH 4-5 Y Trizma	pH 4-5 Trizma
Site.	SSOW#-														l cont	Other:	er.		
				Matrix (Wrwater	n MS/MS	D_NM/80	GFM_28D 035FP_C	TEX_GCV			·····				umber o	T			
Sample Identification - Client ID (Lab ID)	Sample Date	Sample (0 Time (1	type (C=comp, G=grab) ⊨ _{вт=}	Air)	D. Contraction of the			Total_B							Total N		Special Ins	struct	pecial Instructions/Note.
	X		Preservation Code	n Code:	X							and a second	62	L			V		
PH01 (890-2323-1)	5/18/22	Mountain		Solid	×	×	×	×							<u>.</u>				
PH01 (890-2323-2)	5/18/22	11 00 Mountain		Solid	×	×	X X	×							4	05578			
PH02 (890-2323-3)	5/18/22	14 00 Mountain		Solid	×	×	××	×							د م				
PH02 (890-2323-4)	5/18/22	14 05 Mountain		Solid	×	×	× ×	×											
PH11 (890-2323-5)	5/18/22	11 05 Mountain		Solid	×	×	× ×	×		-						<u>Karada</u>			
РН11 (890-2323-6)	5/18/22	11 10 Mountain		Solid	×	×	××	×							2	47.78			
PH12 (890-2323-8)	5/18/22	12 20 Mountain		Solid	×	×	××	×							24				
PH13 (890-2323-9)	5/18/22	12 30 Mountain		Solid	×	×	× ×	×			-+				<u>.</u>	<u>Tak</u>			
PH13 (890-2323-10)	5/18/22	12 35 Mountain		Solid	×	×	× ×	×							(
Note Since laboratory accreditations are subject to change Eurofins Environment Testing South Central LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing South Central LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing South Central LLC.	ent Testing South Centra above for analysis/tests/ Central, LLC attention imi	al LLC places the matrix being anal mediately if all r	equested accre	nethod analyt bles must be st ditations are c	e & accredit hipped back urrent to da	ation con to the Eu le, return	npliance Irofins E the sigr	tupon o Environr ned Cha	ut subc nent Te in of Cu	ontract sting Sc ustody a	laborat outh Ce	ories ntral L 1 to saio	This sa LC labo I comp	mple s pratory licance	hipme or oth	nt is fo er instr rofins i	rwarded under ch uctions will be pro Environment Testi	lain-of-c ovided. ing Sou	custody If the Any changes to th Central LLC.
Possible Hazard Identification					Sample	le Disposal (A fi	sal (/	A fee i	nay b	e ass	essed	ifsa	mple	sare	□retai	ned I	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	mont	h)
Deliverable Requested 1 II, III IV Other (specify)	Primary Deliverable Rank.	ble Rank. 2			Special Instructions/QC	Instruc	tions/d		Requirements	nents.	ents.		ľ						
Empty Kit Relinquished by:		Date			Time					5	Met	Method of Shipment.	Shipme	nt					
Relinquished WO Mars 5.20.22	Date/Time		- Co	Company	Receiv	aive	to	X	Z	R			Date/T)ne:) J-J-J	Q.	Ŷ	900 900	Company	bany
Kelinquished by	Date/Time		Co	Company	Rec	Received by							Date/Time.	ime.				Company	bany
Relinquished by:	Date/Time		8	Company	Rec	Received by							Date/Time	ime				Company	oany
Custody Seals Intact. Custody Seal No ∆ Yes ∆ No					Coo	Cooler Temperature(s) °C	erature(and Other Remarks.	. Rema	- 1	Q	\leq	7	2			ľ	

∆ Yes ∆ No

Ver 06/08/2021

Received by OCD: 6/20/2022 7:29:20 AM

Custody Seals Intact: Custody Seal No ∆ Yes ∆ No	Relinquished by	Kelinquisned by	CC. OC. Q Sanijon	Empty Kit Relinquished by	Deliverable Requested 1 II III IV Other (specify)	Possible Hazard Identification Unconfirmed	Note Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing South Central LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing South Central LLC.					PH12 (890-2323-7)		Sample Identification - Client ID (Lab ID)	Site	Project Name: Pecos Federal #001Y	2	Phone 432-704-5440(Tel)	State Zip: TX, 79701		Address 1911 W Elorida Ava	Company Eurofins Environment Testing South Centr	Shipping/Receiving	Client Information (Sub Contract Lab)	Eurofins Carlsbad 1089 N Canal St Carlsbad NM 88220 Phone 575-988-3199 Fax 575-988-3199
	Date/Time	Date/Time.	Date/Time	Date	Primary Deliverable Rank		nment Testing South Central LLC p ted above for analysis/tests/matrix b th Central LLC attention immediate					5/18/22 12 15 Mountain	N N V	Sample Date Time	SSOW#	Project #: 89000084	WO #	PO#		⊃/∠3/ZUZZ TAT Requested (days).	Due Date Requested		Phone [,]	Sampler	Chai
	Company	Company	Company		ink 2		laces the ownership of method ana eing analyzed the samples must be ly If all requested accreditations an							Sample Matrix Type (vi-water ple (C=Comp, o-wasteroli, e G=grab) BT=Tissue, A=AIr									E-Mail Jessi	Lab PM Krame	Chain of Custody Record
Cooler Temperature(s) °C a	Received by:	Received by		Time	Special Instructions/QC Re	Sample Disposal (A fee	alyte & accreditation compliance upon shipped back to the Eurofins Environ e current to date, return the signed Ch					x x x x x	X	Field Filtered Perform MS/N 8016MOD_Cale 8016MOD_NM// 300_ORGFM_2/ 8021B/6036FP_ Total_BTEX_GO	NSD (Y 3015NM 8D/DI_L Calc B1	es or _S_Pri EACH	No) ep Full	трн		Analysis		Accreditations Required (See note) NELAP - Texas	E-Mail Jessica Kramer@et.eurofinsus com	_{Lab PM} Kramer Jessica	Record
and Other Remarks	Date/Time	Date/Time	Eller MMC	Method of Shipment	2C Requirements	Sample Disposal (A fee may be assessed if samples are retained longer Return To Client Disposal By Lab Archive For	out subcontract laboratories This si ment Testing South Central LLC lab ain of Custody attesting to said comp													/sis Requested			n New Mexico	Carrier Tracking No(s)	
29	Time	fime 1	100 re/2-6/	ent		s are retained longer than	ample shipment is forwarded under oratory or other instructions will be p plicance to Eurofins Environment Te				province and	<u>-</u>		Total Number So Bo Cci ai	of con Of P	tainer L EDA	<u>د –</u> :	F MeOH G Amchlor H Ascortic Acid		week	Preservation Codes	Job #: 890-2323-2	Page Page 1 of 1	COC No: 890-764 1	🕷 eurofins
Ver 06/08/2021	Company	Company	Company			1 month) Months	chain-of-custody If the provided. Any changes to esting South Central LLC.							Special Instructions/Note		Y Trizma Z other (specify)		⊣თ;	O AsNaO2 P Na2O4S Q Na2SO3 R Na2SO3)des				5 Environment Testing America

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Login Sample Receipt Checklist

Client: Ensolum

<6mm (1/4").

Login Number: 2323 List Number: 1 Creator: Olivas, Nathaniel

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	

Login Sample Receipt Checklist

Client: Ensolum

tampered with.

<6mm (1/4").

Login Number: 2323 List Number: 2 Creator: Kramer, Jessica

Login Number: 2323 List Number: 2 Creator: Kramer, Jessica			List Source: Eurofins Midland List Creation: 05/23/22 08:18 AM	4 5
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			8

Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.1/1.9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	N/A	

Received by OCD: 6/20/2022 7:29:20 AM

🛟 eurofins

Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-2324-1

Laboratory Sample Delivery Group: 03A1987014 Client Project/Site: Pecos Federal #001Y

For:

Ensolum 705 W. Wadley Suite 210 Midland, Texas 79701

Attn: Ben Belill

RAMER

Authorized for release by: 5/25/2022 10:48:18 AM Jessica Kramer, Project Manager (432)704-5440 Jessica.Kramer@et.eurofinsus.com

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

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



Released to Imaging: 9/20/2022 11:04:35 AM

2

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Definitions/Glossary

Client: Ensolum
Project/Site: Pecos Federal #001Y

Job ID: 890-2324-1 SDG: 03A1987014

,		
Qualifiers		3
GC VOA		
Qualifier	Qualifier Description	
U	Indicates the analyte was analyzed for but not detected.	
GC Semi VOA		5
Qualifier	Qualifier Description	
*1	LCS/LCSD RPD 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.	8
Glossary		6
Abbreviation	These commonly used abbreviations may or may not be present in this report.	
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis	
%R	Percent Recovery	
CFL	Contains Free Liquid	
CFU	Colony Forming Unit	
CNF	Contains No Free Liquid	
DER	Duplicate Error Ratio (normalized absolute difference)	
Dil Fac	Dilution Factor	4
DL	Detection Limit (DoD/DOE)	
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample	
DLC	Decision Level Concentration (Radiochemistry)	
EDL	Estimated Detection Limit (Dioxin)	
LOD	Limit of Detection (DoD/DOE)	
LOQ	Limit of Quantitation (DoD/DOE)	
MCL	EPA recommended "Maximum Contaminant Level"	
MDA	Minimum Detectable Activity (Radiochemistry)	
MDC	Minimum Detectable Concentration (Radiochemistry)	
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)

NEGNegative / AbsentPOSPositive / 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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4

Job ID: 890-2324-1 SDG: 03A1987014

Job ID: 890-2324-1

Client: Ensolum

Laboratory: Eurofins Carlsbad

Project/Site: Pecos Federal #001Y

Narrative

Job Narrative 890-2324-1

Receipt

The sample was received on 5/19/2022 4:11 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 0.8°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 sample was outside control limits: (890-2327-A-21-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-26030 and analytical batch 880-26020 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10. The MS/MSD RPD passes therefore shows recovery for the batch.

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.

RL

0.00199

0.00199

0.00199

0.00398

0.00199

0.00398

Limits

70 - 130

70 - 130

RL

RL

49.9

0.00398

MDL

MDL Unit

MDL Unit

Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

D

D

D

Prepared

05/23/22 11:13

05/23/22 11:13

05/23/22 11:13

05/23/22 11:13

05/23/22 11:13

05/23/22 11:13

Prepared

05/23/22 11:13

05/23/22 11:13

Prepared

Prepared

Job ID: 890-2324-1 SDG: 03A1987014

Client Sample ID: PH12

Method: 8021B - Volatile Organic Compounds (GC)

Method: Total BTEX - Total BTEX Calculation

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

Result Qualifier

Qualifier

<0.00199 U

<0.00199 U

<0.00199 U

<0.00398 U

<0.00199 U

<0.00398 U

114

98

Result Qualifier

U

Result Qualifier

<49.9 U

%Recovery

<0.00398

Project/Site: Pecos Federal #001Y

Date Collected: 05/18/22 11:45 Date Received: 05/19/22 16:11

Sample Depth: 0.5

Client: Ensolum

Analyte

Benzene

Toluene

o-Xylene

Surrogate

Analyte

Analyte

Total TPH

Total BTEX

Ethylbenzene

Xylenes, Total

m-Xylene & p-Xylene

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

SDG: 03A198701

Lab Sample ID: 890-2324-1

Analyzed

05/23/22 18:10

05/23/22 18:10

05/23/22 18:10

05/23/22 18:10

05/23/22 18:10

05/23/22 18:10

Analyzed

05/23/22 18:10

05/23/22 18:10

Analyzed

05/24/22 11:05

Analyzed

05/24/22 09:49

Matrix: Solid

Dil Fac

1

1

1

1

1

1

Dil Fac

Dil Fac

Dil Fac

Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U *1	49.9		mg/Kg		05/23/22 08:26	05/23/22 16:13	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		05/23/22 08:26	05/23/22 16:13	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/23/22 08:26	05/23/22 16:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				05/23/22 08:26	05/23/22 16:13	1
o-Terphenyl	115		70 - 130				05/23/22 08:26	05/23/22 16:13	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
		quamo	4.99					05/25/22 07:23	1
Chloride	334		4.99		mg/Kg			03/23/22 07:23	1

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Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

				Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1		
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		
890-2323-A-1-E MS	Matrix Spike	118	91	·	
890-2323-A-1-F MSD	Matrix Spike Duplicate	110	95		
890-2324-1	PH12	114	98		
LCS 880-26086/1-A	Lab Control Sample	108	92		
LCSD 880-26086/2-A	Lab Control Sample Dup	113	90		
MB 880-26086/5-A	Method Blank	107	89		
Surrogate Legend					
BFB = 4-Bromofluorober	nzene (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 Lab Sample ID **Client Sample ID** (70-130) (70-130) 890-2324-1 PH12 107 115 890-2327-A-21-B MS Matrix Spike 115 114 890-2327-A-21-C MSD Matrix Spike Duplicate 101 103 LCS 880-26030/2-A Lab Control Sample 130 130 LCSD 880-26030/3-A Lab Control Sample Dup 110 110 MB 880-26030/1-A Method Blank 107 114

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Job ID: 890-2324-1

SDG: 03A1987014

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Client: Ensolum Project/Site: Pecos Federal #001Y

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-26086/5-A Matrix: Solid Analysis Batch: 26017										Client Sa	mple ID: Metho Prep Type: ⁻ Prep Batcl	Total/NA
	MB	MB										
Analyte	Result	Qualifier	RL		MDL	Unit		D	P	repared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200			mg/Kg	3	_	05/2	3/22 11:13	05/23/22 12:40	1
Toluene	<0.00200	U	0.00200			mg/Kg	g		05/2	3/22 11:13	05/23/22 12:40	1
Ethylbenzene	<0.00200	U	0.00200			mg/Kg	9		05/2	3/22 11:13	05/23/22 12:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400			mg/Kg	3		05/2	3/22 11:13	05/23/22 12:40	1
o-Xylene	<0.00200	U	0.00200			mg/Kg	9		05/2	3/22 11:13	05/23/22 12:40	1
Xylenes, Total	<0.00400	U	0.00400			mg/Ko	9		05/2	3/22 11:13	05/23/22 12:40	1
	МВ	МВ										
Surrogate	%Recovery	Qualifier	Limits						P	repared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130						05/2	3/22 11:13	05/23/22 12:40	1
1,4-Difluorobenzene (Surr)	89		70 - 130						05/2	3/22 11:13	05/23/22 12:40	1
								C	ient	Sample I	D: Lab Control	Sample
Matrix: Solid											Prep Type: ⁻	
Analysis Batch: 26017											Prep Batcl	
-			Spike	LCS	LCS						• %Rec	
Analyte			Added	Result	Qual	ifier	Unit		D	%Rec	Limits	
Benzene			0.100	0.07806			mg/Kg		_	78	70 - 130	
Toluene			0.100	0.09288			mg/Kg			93	70 - 130	
Ethylbenzene			0.100	0.09738			mg/Kg			97	70 - 130	
m-Xylene & p-Xylene			0.200	0.2011			mg/Kg			101	70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: LCSD 880-26086/2-A

Matrix: Solid alvala Datak

o-Xylene

Analysis Batch: 26017								Batch:	26086
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.07770		mg/Kg		78	70 - 130	0	35
Toluene	0.100	0.09565		mg/Kg		96	70 - 130	3	35
Ethylbenzene	0.100	0.1006		mg/Kg		101	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2095		mg/Kg		105	70 - 130	4	35
o-Xylene	0.100	0.1055		mg/Kg		105	70 - 130	5	35

0.100

0.1007

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: 890-2323-A-1-E MS

Matrix: Solid ----

Analysis Batch: 26017									Prep	p Batch: 26086
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00201	U	0.101	0.07463		mg/Kg		74	70 - 130	
Toluene	<0.00201	U	0.101	0.08606		mg/Kg		85	70 - 130	

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Prep Type: Total/NA

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Job ID: 890-2324-1 SDG: 03A1987014

Prep Type: Total/NA

101

mg/Kg

70 - 130

Client Sample ID: Lab Control Sample Dup

Client Sample ID: Matrix Spike

MS MS

Qualifier

Unit

mg/Kg

mg/Kg

mg/Kg

Result

0.08076

0.1659

0.08089

Spike

Added

0.101

0.202

0.101

Limits 70 - 130

70 - 130

70 - 130

70 - 130

Client: Ensolum Project/Site: Pecos Federal #001Y

Lab Sample ID: 890-2323-A-1-E MS

Matrix: Solid

Analyte

o-Xylene

Surrogate

Ethylbenzene

m-Xylene & p-Xylene

Analysis Batch: 26017

4-Bromofluorobenzene (Surr)

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

Sample Sample

<0.00201

<0.00402 U

<0.00201 U

118

91

110

95

%Recovery

Result Qualifier

U

MS MS

Qualifier

Job ID: 890-2324-1 SDG: 03A1987014

Prep Type: Total/NA

Prep Batch: 26086

Client Sample ID: Matrix Spike

%Rec

Limits

70 - 130

70 - 130

70 - 130

%Rec

80

82

80

D

7

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

Matrix: Solid Analysis Batch: 26017

Lab Sample ID: 890-2323-A-1-F MSD

Analysis Datch. 20017									гіер	Daten.	20000	
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	<0.00201	U	0.0990	0.07739		mg/Kg		78	70 - 130	4	35	
Toluene	<0.00201	U	0.0990	0.08395		mg/Kg		85	70 - 130	2	35	i
Ethylbenzene	<0.00201	U	0.0990	0.07464		mg/Kg		75	70 - 130	8	35	
m-Xylene & p-Xylene	<0.00402	U	0.198	0.1500		mg/Kg		76	70 - 130	10	35	i
o-Xylene	<0.00201	U	0.0990	0.07520		mg/Kg		76	70 - 130	7	35	
	MSD	MSD										
Surrogate	%Recovery	Qualifier	Limits									

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

Lab Sample ID: MB 880-26030/1-A Matrix: Solid Analysis Batch: 26020	A						Client Sa	mple ID: Metho Prep Type: 1 Prep Batch	fotal/NA
	MB	МВ							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/23/22 08:26	05/23/22 10:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/23/22 08:26	05/23/22 10:03	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/23/22 08:26	05/23/22 10:03	1
	MB	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				05/23/22 08:26	05/23/22 10:03	1
o-Terphenyl	114		70 - 130				05/23/22 08:26	05/23/22 10:03	1

Lab Sample ID: LCS 880-26030/2-A **Client Sample ID: Lab Control Sample** Matrix: Solid Prep Type: Total/NA Analysis Batch: 26020 Prep Batch: 26030 LCS LCS Spike %Rec Added Qualifier Analyte Result Unit D %Rec Limits 1000 107 70 - 130 Gasoline Range Organics 1073 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 1058 mg/Kg 106 70 - 130 C10-C28)

Eurofins Carlsbad

Pren Batch: 26086

Client: Ensolum Project/Site: Pecos Federal #001Y

C10-C28)

Surrogate

o-Terphenyl

1-Chlorooctane

(GRO)-C6-C10

Gasoline Range Organics

Diesel Range Organics (Over

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

<50.0 U *1

<50.0 U

MSD MSD

%Recovery Qualifier

103

101

ietnod: 8015B NM - Diese	a Range Or	yanics (L		Jonunue	;u)						
Lab Sample ID: LCS 880-2603	30/2-A						Client	Sample	ID: Lab Co	ontrol S	ample
Matrix: Solid										Type: To	
Analysis Batch: 26020										Batch:	
•	1.05	100									
Surrogate		LCS Qualifier	Limits								
1-Chlorooctane	130	Quaimer	70 - 130								
o-Terphenyl	130		70 - 130 70 - 130								
	100		10 - 100								
Lab Sample ID: LCSD 880-260	030/3-A					Clie	ent Sam	ple ID:	Lab Contro	I Sampl	e Dup
Matrix: Solid										ype: To	
Analysis Batch: 26020										Batch:	
			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics			1000	844.8	*1	 mg/Kg		84	70 - 130	24	20
(GRO)-C6-C10											
Diesel Range Organics (Over			1000	877.5		mg/Kg		88	70 - 130	19	20
C10-C28)											
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	110		70 - 130								
o-Terphenyl	110		70 - 130								
								0	0		0.11
Lab Sample ID: 890-2327-A-27	I-BINIS							Client	Sample ID		
Matrix: Solid										Type: To	
Analysis Batch: 26020	Sampla	Sampla	Spike	MS	MS				%Rec	Batch:	26030
Analyte	-	Sample Qualifier	Added	Result		Unit	D	%Rec	Limits		
Gasoline Range Organics			1000	1181	Quaimer	mg/Kg		115	70 - 130		
(GRO)-C6-C10	<50.0	0 1	1000	1101		mg/rtg		115	70 - 150		
Diesel Range Organics (Over	<50.0	U	1000	1228		mg/Kg		123	70 - 130		
C10-C28)						5. 5					
	MS	MS									
Surrogate			Limits								
1-Chlorooctane	115	·	70 - 130								
o-Terphenyl	114		70 - 130								
Lab Sample ID: 890-2327-A-27	1-C MSD					С	lient Sa	imple IC	D: Matrix Sp		
Matrix: Solid									Prep 1	Type: To	tal/NA
Analysis Batch: 26020									Prep	Batch:	26030
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
		••••••	opino	mob	mob						10.5

100

108

70 - 130

70 - 130

999

999

Limits

70 - 130

70 - 130

1023

1081

mg/Kg

mg/Kg

20

20

14

QC Sample Results

Job ID: 890-2324-1 SDG: 03A1987014

Client: Ensolum Project/Site: Pecos Federal #001Y

Method: 300.0 - Anions, Ion Chromatography

_ Lab Sample ID: MB 880-26084/1-A												Client S	ample ID:	Method	Blank
Matrix: Solid														Type: S	
Analysis Batch: 26199															
-		МВ	МВ												
Analyte	R	esult	Qualifier		RL		MDL	Unit		D	Ρ	repared	Analy	zed	Dil Fac
Chloride		<5.00	U		5.00			mg/Ko	9				05/25/22	2 04:55	1
 Lab Sample ID: LCS 880-26084/2-4	\									Cli	ient	Sample	D: Lab C	control S	ample
Matrix: Solid													Prep	Type: S	oluble
Analysis Batch: 26199															
				Spike		LCS	LCS						%Rec		
Analyte				Added		Result	Qual	ifier	Unit		D	%Rec	Limits		
Chloride				250		247.4			mg/Kg			99	90 - 110		
	-A								CI	ient S	Sam	ple ID:	Lab Contr	ol Samp	le Dup
Matrix: Solid													Prep	Type: S	oluble
Analysis Batch: 26199															
				Spike		LCSD	LCS	D					%Rec		RPD
Analyte				Added		Result	Qual	ifier	Unit		D	%Rec	Limits	RPD	Limit
Chloride				250		255.6			mg/Kg			102	90 - 110	3	20
	5											Client	Sample II	D: Matrix	Spike
Matrix: Solid													Prep	Type: S	oluble
Analysis Batch: 26199															
	Sample	Sam	ple	Spike		MS	MS						%Rec		
Analyte	Result	Qual	ifier	Added		Result	Qual	ifier	Unit		D	%Rec	Limits		
Chloride	233			249		458.2			mg/Kg			91	90 - 110		
Lab Sample ID: 890-2323-A-1-D MS	SD									Clien	t Sa	ample IC): Matrix S	pike Du	plicate
Matrix: Solid												-	Prep	Type: S	oluble
Analysis Batch: 26199															
	Sample	Sam	ple	Spike		MSD	MSD	1					%Rec		RPD
Analyte	Result	Qual	ifier	Added		Result	Qual	ifier	Unit		D	%Rec	Limits	RPD	Limit
Chloride	233			249		477.2			mg/Kg		-	98	90 _ 110	4	20

Eurofins Carlsbad
Client Sample ID

Lab Control Sample

Lab Control Sample Dup

Matrix Spike Duplicate

Client Sample ID

Lab Control Sample

Lab Control Sample Dup

Matrix Spike Duplicate

Client Sample ID

PH12

Method Blank

Matrix Spike

PH12

Method Blank

Matrix Spike

PH12

QC Association Summary

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Prep Type

Total/NA

Client: Ensolum Project/Site: Pecos Federal #001Y

GC VOA

Lab Sample ID

MB 880-26086/5-A

LCS 880-26086/1-A

890-2323-A-1-E MS

890-2323-A-1-F MSD

Prep Batch: 26086

MB 880-26086/5-A

LCS 880-26086/1-A

890-2323-A-1-E MS

890-2323-A-1-F MSD

Lab Sample ID

890-2324-1

Analysis Batch: 26171

LCSD 880-26086/2-A

Lab Sample ID

890-2324-1

LCSD 880-26086/2-A

890-2324-1

Analysis Batch: 26017

Prep Type	Matrix	Method	Prep Batch
			SDG: 03A1987014

Solid

Solid

Solid

Solid

Solid

Solid

Matrix

Solid

Solid

Solid

Solid

Solid

Solid

Matrix

Solid

8021B

8021B

8021B

8021B

8021B

8021B

Method

5035

5035

5035

5035

5035

5035

Method

Total BTEX

26086

26086

26086

26086

26086

26086

Prep Batch

Prep Batch

ļ	5
8	3
	9
(1	9
	9
) (

GC Semi VOA Analysis Batch: 26020

Lab Sample ID **Client Sample ID** Prep Batch Prep Type Matrix Method 890-2324-1 PH12 Total/NA Solid 8015B NM 26030 MB 880-26030/1-A Method Blank Total/NA Solid 8015B NM 26030 LCS 880-26030/2-A Lab Control Sample Total/NA Solid 8015B NM 26030 LCSD 880-26030/3-A Lab Control Sample Dup Total/NA Solid 8015B NM 26030 890-2327-A-21-B MS Matrix Spike Total/NA Solid 8015B NM 26030 890-2327-A-21-C MSD Total/NA Matrix Spike Duplicate Solid 8015B NM 26030

Prep Batch: 26030

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2324-1	PH12	Total/NA	Solid	8015NM Prep	
MB 880-26030/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-26030/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-26030/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2327-A-21-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2327-A-21-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	
Analysis Batch: 26154					

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2324-1	PH12	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 26084

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-2324-1	PH12	Soluble	Solid	DI Leach	
MB 880-26084/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-26084/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-26084/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Carlsbad

Job ID: 890-2324-1

SDG: 03A1987014

HPLC/IC (Continued)

LCS 880-26084/2-A

LCSD 880-26084/3-A

890-2323-A-1-C MS

890-2323-A-1-D MSD

Leach Batch: 26084 (Continued)

Lab Control Sample

Matrix Spike

Lab Control Sample Dup

Matrix Spike Duplicate

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2323-A-1-C MS	Matrix Spike	Soluble	Solid	DI Leach	
890-2323-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
nalysis Batch: 26199	9				
Analysis Batch: 26199		Prep Type	Matrix	Method	Pren Batch
Lab Sample ID 890-2324-1	Client Sample ID PH12	Prep Type Soluble	Matrix Solid	<u>Method</u> 300.0	Prep Batch 26084

Soluble

Soluble

Soluble

Soluble

Solid

Solid

Solid

Solid

300.0

300.0

300.0

300.0

Eurofins Carlsbad

5

8

26084

26084

26084

Job ID: 890-2324-1 SDG: 03A1987014

Lab Sample ID: 890-2324-1 Matrix: Solid

Date Collected: 05/18/22 11:45 Date Received: 05/19/22 16:11

Client Sample ID: PH12

Project/Site: Pecos Federal #001Y

Client: Ensolum

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	26086	05/23/22 11:13	MR	XEN MID
Total/NA	Analysis	8021B		1			26017	05/23/22 18:10	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26171	05/24/22 11:05	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26154	05/24/22 09:49	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	26030	05/23/22 08:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26020	05/23/22 16:13	SM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	26084	05/23/22 11:02	SC	XEN MID
Soluble	Analysis	300.0		1			26199	05/25/22 07:23	СН	XEN MID

Laboratory References:

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

Eurofins Carlsbad

Released to Imaging: 9/20/2022 11:04:35 AM

	ŀ	Accreditation/C	ertification Summary		
Client: Ensolum Project/Site: Pecos Fed	leral #001Y			Job ID: 890-2324-1 SDG: 03A1987014	2
Laboratory: Eurofin Unless otherwise noted, all ar			raditation/contification holow		
Authority		ogram	Identification Number	Expiration Date	
Texas		ELAP	T104704400-21-22	06-30-22	
The following analytes a	are included in this report by	It the laboratory is not certif	ied by the governing authority. This list ma	av include analytes for which	5
the agency does not off			led by the governing autionty. This list ma		
Analysis Method	Prep Method	Matrix	Analyte		
8015 NM		Solid	Total TPH		
Total BTEX		Solid	Total BTEX		
					8
					9
					10
					44
					13

Eurofins Carlsbad

.

Method Summary

Client: Ensolum Project/Site: Pecos Federal #001Y Job ID: 890-2324-1 SDG: 03A1987014

lethod	Method Description	Protocol	Laboratory
3021B	Volatile Organic Compounds (GC)	SW846	XEN MID
fotal BTEX	Total BTEX Calculation	TAL SOP	XEN MID
3015 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
OI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID
SW846 = '	= "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, Mi "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third E		
TAL SOP	 TestAmerica Laboratories, Standard Operating Procedure 		
Laboratory R	eferences:		
XEN MID	= Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440)	

Laboratory References:

Eurofins Carlsbad

Sample Summary

Job ID: 890-2324-1 SDG: 03A1987014

Client: Ensolum Project/Site: Pecos Federal #001Y

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth	
890-2324-1	PH12	Solid	05/18/22 11:45	05/19/22 16:11	0.5	4
						5
						8
						9
						12
						13

		Environment Testing Xenco	esting	Midland EL Pa: Hobbs	, TX (43 so, TX () s, NM (5	2) 704-5 915) 585 75) 392-7	140, San -3443, Lu '550, Car	Antonio, TX bbock, TX (sbad, NM ()	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	W	Work Order No:	
Project Manager:	Ben Belill			Bill to: (if different)		Jim Raley	×				Work Order Comments	
	Ensolum, LLC.			Company Name:		Devon E	nergy C	Devon Energy Corporation		Program: UST/PST	Program: UST/PST PRP Brownfields RRC Superfund	perfund
	3122 National Parks Hwy	ks Hwy		Address:		5315 Bu	5315 Buena Vista Dr.	a Dr.		State of Project:		
City, State ZIP: 0	Carlsbad, NM 88220	20		City, State ZIP:		Carlsbau	Carlsbad, NM 88220	220		Reporting: Level II		
	989-854-0852		Email:	Email: jim.raley@dvn.com, bbelill@ensolum.com	.com, t	belill@	ensolur	n.com		Deliverables: EDD		
Project Name:	Pecos Federal #001Y	eral #001Y	Turn	Turn Around					ANALYSIS REI	IS REQUEST	Preservative Codes	odes
Project Number:	03A1987014	37014	マ Routine	🗆 Rush	Pres. Code							DI Water: n20
Project Location:	Rural Eddy	Eddy	Due Date:	5 Day TAT			_				⊻	MeOH: Me
Sampler's Name:	Gilbert Moreno		TAT starts the day received by	day received by).0		_			NaOH: Na
PO #:	CC: 1061183501		the lab, if rece	sived by 4:30pm	rs	-	_					211. IVG
SAMPLE RECEIPT	PT Temp Blank:	5	Wet Ice:	(Yes No	nete	-					H3PO4: HP	
Samples Received Intact:			eter ID:	Frider	ran							
Cooler Custody Seals:	s: Yes No	MA Correction Factor:	n Factor:	-0.7	Pa	-	-		Huntilinian of Custody	in of Custody		
Sample Custody Seals:	Yes No	N/A Temperat	Temperature Reading:	1.0								SAPC
I otal Containers:		Corrected	Corrected Temperature:	0.0		-	-		_			
Sample Identification		Matrix Date Sampled	Time Sampled	Depth Comp	# of Cont	BTEX -	TPH - E				Sample Comments	nents
PH12	2 S	5.18.22	11:45	0.5' Comp	-	×	×				Incident ID	U
				GLID							nAPP2208846424	6424
							$\left \right $					
Total 200.7 / 6010 Circle Method(s) and M	010 200.8 / 6020:	0: nalvzed	BRCRA 13PPM	CRA 13PPM Texas 11 AI	AIS	Sh As	Ba Be Ba Be	B Cd Ca	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	No Ni U IT	K Se Ag SiO ₂ Na Sr Ti Sn U V Zn Hg: 1631/245.1/7470/7471	- 5
Notce: 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 Notce: Signature of this document and relinquishment 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 Eurofice. 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 Eurofice. You have been and the control and a charge of \$5 for expension any bases or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofice. Such a value of the cost of the cost of samples and a charge of \$5 for expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofice. Eurofice Xenco will be liable only for the cost of samples and a charge of \$5 for expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofice. Eurofice Xenco will be liable only for the cost of samples and a charge of \$5 for expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofice. Eurofice Xenco will be liable only for the cost of samples and a charge of \$5 for expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofice. Eurofice Xenco will be an other and a charge of \$5 for expenses and a charge of \$5 for expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofice. Eurofice Xenco will be an other and a charge of \$5 for expenses are due to circumstances beyond the control of \$5 for expenses are due to circumstances beyond the control of \$5 for expenses are due to circumstances beyond the control of \$5 for expenses are due to circumst	ocument and relinquish o will be liable only for t	ment of samples co	nstitutes a valid pu	rchase order from c	client cor y for any	npany to losses o	Eurofins) r expense	(enco, its aff s incurred by	filiates and subcontractors. y the client if such losses ar	a. It assigns standard terms and conditions are due to circumstances beyond the contro is will be enforced unless previously negotia	ms and conditions beyond the control previously negotiated.	
Relinquished by: (Signature)	(Signature)	Receiv	Received by: (Signature)	ure)	-	Date/Time	me	Rel	Relinquished by: (Signature)	sture) Recu	ure)	Date/Time
· Cufon	mo	N-C		V	Sla	E	4:11	2				
3			6					4				

Chain of Custody Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300

5/25/2022

Received by OCD: 6/20/2022 7:29:20 AM

Custody Seals Intact ∆ Yes ∆ No	Relinquished by	relinguished by		Empty Kit Relinquished by	Deliverable Requested 1 II III IV Other (specify)	Possible Hazard Identification Unconfirmed	accreditation status should be brought to Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/lests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing South Central. LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing South Central LLC.	Note: Since laboratory annealitations are subject to observe Eurofee Enviro				PH12 (890-2324-1)		Sample Identification - Client ID (Lab ID)	Site.	Project Name Pecos Federal #001Y	maai	Phone: 432-704-5440(Tel)	State Zip TX 79701	City Midland	Address 1211 W Florida Ave	Eurofins Environment Testing South Centr	Shipping/Receiving	Client Information (Sub Contract Lab)	Carlsbad, NM 88220 Phone 575-988-3199 Fax 575-988-3199	Eurofins Carlsbad
	Date/Time	Date/Time:	Date/Time	Date	Primary Deliverable Rank		ed above for analysis/tests/matrix be th Central, LLC attention immediately					5/18/22 11 45 Mountain	X	Sample Date Time	SSOW#	Project #: 89000084	WO #	PO #		TAT Requested (days)	Due Date Requested 5/25/2022		Phone	Sampler.		2
	Company	Company	Company	\Box	1k 2		aces the ownership of method, analy ing analyzed the samples must be a / If all requested accreditations are					5 Solid	<u>[]</u>	Sample Matrix Type (W=water (C=comp, o=waste/oil, G=grab) BT=T/ssue, A-Air)									E-Mail Jessi	Lab PM Kramer,	Chain of Custody Record	
Cooler Temperature(s) °C a	Received by	Repetived by	Received by M D D	Time. / n	Special Instructions/QC R	Sample Disposal (A fee	lyte & accreditation compliance upon shipped back to the Eurofins Environ a current to date, return the signed Ch					x x x x x	X	Field Filterec Perform MS/ 8015MOD_Cal 8015MOD_NM 300_ORGFM_1 8021B/5035FP Total_BTEX_G	MSD (Y c /8015NM 28D/DI_L _Caic B	es or _S_Pri EACH	No) ep Full	трн			Anal	Accreditations Required (See note): NELAP - Texas	E-Mail Jessica Kramer@et.eurofinsus com	M ner, Jessica	ecord	
and Other Remarks.	Date/	v Date/Tŕme	MUL Date	Method of Shipment	C Requirements	fee may be assessed if samples are retained longer t Disposal By Lab Archive For	out subcontract laboratories This s iment Testing South Central LLC lat rain of Custody attesting to said com														nalvsis Requested		m New Mexico	Carrier Tracking No(s)		
9	Date/Time		5/23/22 000	lent:		es are retained longer than	ample shipment is forwarded unde soratory or other instructions will b plicance to Eurofins Environment							Total Numbe Speecia	of cor Other	tainer L - EDA	<u> </u>	G - Amchlor H Ascobic Acid	moc		Preservation Codes	Job #: 890-2324-1	Page [.] Page 1 of 1	COC No 890-764 1		- the eurofine
Ver 06/08/2021	Company	Company	Company			in 1 month) Months	er chain-of-custody If the revided Any changes to Testing South Central LLC.							Special Instructions/Note		Y Trizma Z other (specify)	< < C	⊣ ທ ;	P Na204S Q Na2SO3 R Na2S203	N None O AsNaO2	- 1				America	ň

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Job Number: 890-2324-1 SDG Number: 03A1987014

List Source: Eurofins Carlsbad

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 2324 List Number: 1 Creator: Olivas, Nathaniel

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

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

Login Sample Receipt Checklist

Client: Ensolum

<6mm (1/4").

Login Number: 2324 List Number: 2 Creator: Kramer, Jessica

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	2.1/1.9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	N/A	

Job Number: 890-2324-1 SDG Number: 03A1987014

List Source: Eurofins Midland List Creation: 05/23/22 08:18 AM

Received by OCD: 6/20/2022 7:29:20 AM

LINKS

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Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-2326-1

Laboratory Sample Delivery Group: 03A1987014 Client Project/Site: Pecos Federal #001Y

For:

Ensolum 705 W. Wadley Suite 210 Midland, Texas 79701

Attn: Ben Belill

RAMER

signature.

Authorized for release by: 5/25/2022 10:48:52 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.

SDG: 03A1987014

Laboratory Job ID: 890-2326-1

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Definitions/Glossary

Client: Ensolum	
Project/Site: Pecos Federal #001Y	

Job ID: 890-2326-1

Project/Site: Pe	ecos Federal #001Y	SDG: 03A1987014	
Qualifiers			3
GC VOA			
Qualifier	Qualifier Description		
J	Indicates the analyte was analyzed for but not detected.		
GC Semi VOA			
Qualifier	Qualifier Description		
*1	LCS/LCSD RPD exceeds control limits.		
F1	MS and/or MSD recovery exceeds control limits.		
F2	MS/MSD RPD exceeds control limits		
S1+	Surrogate recovery exceeds control limits, high biased.		
U	Indicates the analyte was analyzed for but not detected.		
HPLC/IC			
Qualifier	Qualifier Description		6
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		
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)		
TEF TEQ TNTC	Toxicity Equivalent Factor (Dioxin) Toxicity Equivalent Quotient (Dioxin) Too Numerous To Count		

Job ID: 890-2326-1 SDG: 03A1987014

Job ID: 890-2326-1

Client: Ensolum

Laboratory: Eurofins Carlsbad

Project/Site: Pecos Federal #001Y

Narrative

Job Narrative 890-2326-1

Receipt

The samples were received on 5/19/2022 4:12 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 0.8°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 and precision for preparation batch 880-26028 and analytical batch 880-26024 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.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-26124/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-26124 and analytical batch 880-26134 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28). The MS/MSD RPD passed within limits and therefore shows recovery for the batch.

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 880-26084 and 880-26084 and analytical batch 880-26199 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Job ID: 890-2326-1 SDG: 03A1987014

Client Sample ID: PH15

Project/Site: Pecos Federal #001Y

Date Collected: 05/18/22 11:15 Date Received: 05/19/22 16:12

Sample Depth: 0.5

Client: Ensolum

Lab Sample ID: 890-2326-1

5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200		mg/Kg		05/23/22 11:13	05/23/22 18:31	
Toluene	<0.00200	U	0.00200		mg/Kg		05/23/22 11:13	05/23/22 18:31	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/23/22 11:13	05/23/22 18:31	
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/23/22 11:13	05/23/22 18:31	
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/23/22 11:13	05/23/22 18:31	
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/23/22 11:13	05/23/22 18:31	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	111		70 - 130				05/23/22 11:13	05/23/22 18:31	
1,4-Difluorobenzene (Surr)	98		70 - 130				05/23/22 11:13	05/23/22 18:31	
Method: Total BTEX - Total BTEX	Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/24/22 11:05	
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	67.9		50.0		mg/Kg			05/24/22 09:21	
Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/23/22 08:24	05/23/22 16:59	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/23/22 08:24	05/23/22 16:59	
Oll Range Organics (Over C28-C36)	67.9		50.0		mg/Kg		05/23/22 08:24	05/23/22 16:59	
	~-								
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	100		70 - 130				05/23/22 08:24	05/23/22 16:59	
o-Terphenyl	110		70 - 130				05/23/22 08:24	05/23/22 16:59	
Method: 300.0 - Anions, Ion Chro									
Analyte	· ·	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	8780	F1	101		mg/Kg			05/25/22 07:32	20
lient Sample ID: PH15							Lab Sar	nple ID: 890-2	2326-2
ate Collected: 05/18/22 11:20								Matri	x: Solie
ate Received: 05/19/22 16:12									
ample Depth: 1									

Method: 8021B - Volatile Organic Co	ompounds	(GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		05/23/22 11:13	05/23/22 18:51	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/23/22 11:13	05/23/22 18:51	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/23/22 11:13	05/23/22 18:51	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/23/22 11:13	05/23/22 18:51	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/23/22 11:13	05/23/22 18:51	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/23/22 11:13	05/23/22 18:51	1

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Released to Imaging: 9/20/2022 11:04:35 AM

5/25/2022

Client Sample Results

Job ID: 890-2326-1 SDG: 03A1987014

Matrix: Solid

Lab Sample ID: 890-2326-2

Client Sample ID: PH15

Project/Site: Pecos Federal #001Y

Date Collected: 05/18/22 11:20 Date Received: 05/19/22 16:12

Sample Depth: 1

Client: Ensolum

4-Bromofiluorobenzene (Surr) 111 70 - 130 05/ 1,4-Diffuorobenzene (Surr) 96 70 - 130 05/ Method: Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL MDL Unit D II Total BTEX <0.00396 U 0.00396 mg/Kg D II Method: 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL MDL Unit D II Total BTEX <0.00396 U 0.00396 MDL Unit D II Method: 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL MDL Unit D II Gasoline Range Organics 147 49.9 mg/Kg 05/ 05/ Diesel Range Organics (Over <49.9 U 49.9 mg/Kg 05/ Oil Range Organics (Over C28-C36) <49.9 U 49.9 mg/Kg 05/ Oil Range Organics (Over C28-C36) <49.9 U 49.9 mg/Kg 05/ Oil Range Organics (Over C28-C36)	V23/22 11:13 05/23/2 V23/22 11:13 05/23/2 Prepared Ana 05/24/2 Prepared Ana 05/24/2 Prepared Ana 05/24/2 Prepared Ana 05/24/2 V23/22 08:24 05/23/2 V23/22 08:24 05/23/2	Jyzed Dil Fac 22 18:51 1 122 18:51 1 lyzed Dil Fac 22 11:05 1 lyzed Dil Fac 22 09:21 1 lyzed Dil Fac 22 17:21 1 22 17:21 1 1 Dil Fac 1 Dil Fac
1.4-Diffuorobenzene (Surr) 96 70 - 130 05/ Method: Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL MDL Unit D 1 Total BTEX <0.00396 U 0.00396 WDL Unit D 1 Method: 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL MDL Unit D 1 Total TPH 147 49.9 mg/Kg 05/ 0 05/ Method: 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL MDL Unit D 1 Gasoline Range Organics (ORO) (GC) Analyte Result Qualifier RL MDL Unit D 0 0 Gasoline Range Organics (Over <49.9 U 49.9 mg/Kg 05/ Oilesel Range Organics (Over C28-C36) <49.9 U 49.9 mg/Kg 05/ Surrogate ?/ ?/ ?/ 70 - 130 05/ 05/ - Chlorocotane 101 70 - 130	%/23/22 11:13 05/23/2 Prepared Ana 05/24/2 Prepared Ana 05/24/2 Prepared Ana 05/24/2 Prepared Ana 05/24/2 Prepared Ana 05/24/2 05/24/2 (23/22 08:24 05/23/2 (23/22 08:24 05/23/2 (23/22 08:24 05/23/2 (23/22 08:24 05/23/2 Prepared Ana (23/22 08:24 05/23/2	22 18:51 1 lyzed Dil Fac 22 11:05 1 lyzed Dil Fac 22 09:21 1 lyzed Dil Fac 22 17:21 1 22 17:21 1 lyzed Dil Fac 1 Dil Fac
Method: Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL MDL Unit D I Total BTEX <0.00396	Prepared Ana 05/24/2 05/24/2 Prepared Ana 05/23/2 05/23/2 023/22 08:24 05/23/2 023/22 08:24 05/23/2 Prepared Ana Ana 02/23/22 08:24 05/23/2	lyzed Dil Fac 22 11:05 1 lyzed Dil Fac 22 09:21 1 lyzed Dil Fac 22 17:21 1 22 17:21 1 22 17:21 1 lyzed Dil Fac 1 Dil Fac 1 Dil Fac 1 Dil Fac 1 Dil Fac
AnalyteResultQualifierRLMDLUnitDITotal BTEX<0.00396	Prepared Ana 05/24/2 Prepared Ana 05/24/2 Prepared Ana 05/23/2 i/23/22 08:24 05/23/2	J J 22 11:05 1 lyzed Dil Fac 22 09:21 1 lyzed Dil Fac 22 17:21 1 22 17:21 1 22 17:21 1 122 17:21 1 122 17:21 1 122 17:21 1 122 17:21 1 122 17:21 1
Total BTEX<0.00396U0.00396mg/KgMethod: 8015 NM - Diesel Range Organics (DRO) (GC)AnalyteResultQualifierRLMDLUnitDITotal TPH14749.9mg/KgCIIMethod: 8015B NM - Diesel Range Organics (DRO) (GC)AnalyteResultQualifierRLMDLUnitDIGasoline Range Organics14749.9mg/Kg05/(GRO)-C6-C10Diesel Range Organics (Over<49.9	Prepared Ana 05/24/2 Prepared Ana 05/24/2 Prepared Ana 05/23/2 i/23/22 08:24 05/23/2	J J 22 11:05 1 lyzed Dil Fac 22 09:21 1 lyzed Dil Fac 22 17:21 1 22 17:21 1 22 17:21 1 122 17:21 1 122 17:21 1 122 17:21 1 122 17:21 1 122 17:21 1
Method: Botto D Motor Motor D Motor D	Prepared Ana 05/24/2 Prepared Ana //23/22 08:24 05/23/2 //23/22 08:24 05/23/2 //23/22 08:24 05/23/2 //23/22 08:24 05/23/2 //23/22 08:24 05/23/2 //23/22 08:24 05/23/2 //23/22 08:24 05/23/2	lyzed Dil Fac 22 09:21 1 lyzed Dil Fac 22 17:21 1 22 17:21 1 22 17:21 1 122 17:21 1 122 17:21 1 122 17:21 1 122 17:21 1 122 17:21 1
AnalyteResultQualifierRLMDLUnitDITotal TPH14714749.9mg/KgDIMethod: 8015B NM - Diesel Range Organics (DRO) (GC)AnalyteResultQualifierRLMDLUnitDIGasoline Range Organics14749.9mg/Kg05/(GRO)-C6-C10Diesel Range Organics (Over<49.9	Prepared Ana \u03bb/23/22 05/23/2 \u03bb/23/22 08:24 05/23/2 \u03bb/23/22 08:24 05/23/2 \u03bb/23/22 08:24 05/23/2 \u03bb/Prepared Ana \u03bb/23/22 08:24 05/23/2 \u03bb/23/22 08:24 05/23/2 \u03bb/23/22 08:24 05/23/2	Iyzed Dil Fac 122 09:21 1 Iyzed Dil Fac 122 17:21 1 122 17:21 1 122 17:21 1 122 17:21 1 122 17:21 1 122 17:21 1 122 17:21 1 122 17:21 1 122 17:21 1
Total TPH14749.9mg/KgMethod: 8015B NM - Diesel Range Organics (DRO) (GC)AnalyteResultQualifierRLMDLUnitDGasoline Range Organics14749.9mg/Kg05/.(GRO)-C6-C1000005/.Diesel Range Organics (Over<49.9	Prepared Ana \u03bb/23/22 05/23/2 \u03bb/23/22 08:24 05/23/2 \u03bb/23/22 08:24 05/23/2 \u03bb/23/22 08:24 05/23/2 \u03bb/Prepared Ana \u03bb/23/22 08:24 05/23/2 \u03bb/23/22 08:24 05/23/2 \u03bb/23/22 08:24 05/23/2	Iyzed Dil Fac 122 09:21 1 Iyzed Dil Fac 22 17:21 1 22 17:21 1 22 17:21 1 122 17:21 1 122 17:21 1 122 17:21 1 122 17:21 1 122 17:21 1 122 17:21 1
Method: 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL MDL Unit D I Gasoline Range Organics 147 49.9 mg/Kg 05/ Diesel Range Organics (Over <49.9 U 49.9 mg/Kg 05/ Diesel Range Organics (Over <49.9 U 49.9 mg/Kg 05/ Oll Range Organics (Over C28-C36) <49.9 U 49.9 mg/Kg 05/ Surrogate %Recovery Qualifier Limits 05/ 05/ 1-Chlorooctane 101 70 - 130 05/ 05/ Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier RL MDL Unit D 0 Analyte Result Qualifier 25.0 mg/Kg D 1	Prepared Ana 05/23/22 05/23/2 023/22 08:24 05/23/2 023/22 08:24 05/23/2 023/22 08:24 05/23/2 023/22 08:24 05/23/2 023/22 08:24 05/23/2 023/22 08:24 05/23/2	lyzed Dil Fac 22 17:21 1 22 17:21 1 22 17:21 1 22 17:21 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
AnalyteResultQualifierRLMDLUnitDIGasoline Range Organics14749.949.9mg/Kg05/.(GRO)-C6-C100049.949.9mg/Kg05/.Diesel Range Organics (Over<49.9	i/23/22 08:24 05/23/2 i/23/22 08:24 05/23/2 i/23/22 08:24 05/23/2 i/23/22 08:24 05/23/2 Prepared Ana. i/23/22 08:24 05/23/2	22 17:21 1 22 17:21 1 22 17:21 1 22 17:21 1 Jyzed Dil Fac
Gasoline Range Organics 147 49.9 mg/Kg 05/. (GRO)-C6-C10 Diesel Range Organics (Over <49.9	i/23/22 08:24 05/23/2 i/23/22 08:24 05/23/2 i/23/22 08:24 05/23/2 i/23/22 08:24 05/23/2 Prepared Ana. i/23/22 08:24 05/23/2	22 17:21 1 22 17:21 1 22 17:21 1 22 17:21 1 Igzed Dil Fac
(GR0)-C6-C10 Diesel Range Organics (Over <49.9	b/23/22 08:24 05/23/2 b/23/22 08:24 05/23/2 Prepared Ana. b/23/22 08:24 05/23/2	22 17:21 1 22 17:21 1 Iyzed <u>Dil Fac</u>
C10-C28) OII Range Organics (Over C28-C36) <49.9	b)/23/22 08:24 05/23/2 Prepared Ana b)/23/22 08:24 05/23/2	22 17:21 1 Iyzed Dil Fac
Surrogate %Recovery Qualifier Limits 1-Chlorooctane 101 70 - 130 05/ o-Terphenyl 110 70 - 130 05/ Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier RL MDL Unit D Analyte Result Qualifier 25.0 mg/Kg D 1	Prepared Ana. 5/23/22 08:24 05/23/2	lyzed Dil Fac
Image: Non-State index Image: Non-State index<	5/23/22 08:24 05/23/2	
o-Terphenyl 110 70 - 130 05/ Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D I Chloride 1570 25.0 mg/Kg		22 17:21 1
Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D I Chloride 1570 25.0 mg/Kg	5/23/22 08:24 05/23/2	
Analyte Result Qualifier RL MDL Unit D Chloride 1570 25.0 mg/Kg		22 17:21 1
Chloride 1570 25.0 mg/Kg		
	Prepared Ana	lyzed Dil Fac
	05/25/2	22 08:00 5
Client Sample ID: PH16	Lab Sample I	D: 890-2326-3
Date Collected: 05/18/22 11:25		Matrix: Solid
Date Received: 05/19/22 16:12		
Sample Depth: 0.5		
- Method: 8021B - Volatile Organic Compounds (GC)		
	Prepared Ana	lyzed Dil Fac
Benzene <0.00198 0.00198 mg/Kg 05/	6/23/22 11:13 05/23/2	22 19:12 1
Toluene <0.00198 U 0.00198 mg/Kg 05/	6/23/22 11:13 05/23/2	22 19:12 1
Ethylbenzene <0.00198 U 0.00198 mg/Kg 05/	6/23/22 11:13 05/23/2	22 19:12 1
m-Xylene & p-Xylene <0.00397 U 0.00397 mg/Kg 05/		-

m-Xylene & p-Xylene <0.00397 U o-Xylene <0.00198 U <0.00397 U Xylenes, Total

Surrogate	%Recovery	Qualifier	Limits	Prepared
4-Bromofluorobenzene (Surr)			70 - 130	05/23/22 11:13
1,4-Difluorobenzene (Surr)	96		70 - 130	05/23/22 11:13

Method: Total BTEX - Total BTEX	Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			05/24/22 11:05	1
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	144		50.0		mg/Kg			05/24/22 09:21	1

0.00198

0.00397

mg/Kg

mg/Kg

05/23/22 11:13

05/23/22 11:13

05/23/22 19:12

05/23/22 19:12

Analyzed

05/23/22 19:12

05/23/22 19:12

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5

1

1

1

1

Dil Fac

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

Method: 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

144

<50.0 U

<50.0 U

102

109

7560

Result Qualifier

Qualifier

%Recovery

Client Sample Results

RL

50.0

50.0

50.0

RL

101

Limits

70 - 130

70 - 130

MDL

Unit

mg/Kg

mg/Kg

mg/K<u>q</u>

MDL Unit

mg/Kg

D

D

Prepared

05/23/22 08:24

05/23/22 08:24

05/23/22 08:24

Prepared

05/23/22 08:24

05/23/22 08:24

Prepared

Job ID: 890-2326-1 SDG: 03A1987014

Client Sample ID: PH16

Project/Site: Pecos Federal #001Y

Date Collected: 05/18/22 11:25 Date Received: 05/19/22 16:12

Client: Ensolum

Sample Depth: 0.5

Gasoline Range Organics

Diesel Range Organics (Over

Oll Range Organics (Over C28-C36)

Client Sample ID: PH16

Date Collected: 05/18/22 11:30

Date Received: 05/19/22 16:12

Analyte

C10-C28)

Surrogate

o-Terphenyl

Analvte

Chloride

Sample Depth: 1

1-Chlorooctane

(GRO)-C6-C10

Lab Sample ID: 890-2326-3

Analyzed

05/23/22 17:42

05/23/22 17:42

05/23/22 17:42

Analvzed

05/23/22 17:42

05/23/22 17:42

Analyzed

05/25/22 08:09

Lab Sample ID: 890-2326-4

Matrix: Solid

Dil Fac

1

1

Dil Fac

Dil Fac

Matrix: Solid

20

Method: 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac <0.00201 U 0.00201 05/23/22 11:13 05/23/22 19:32 Benzene mg/Kg Toluene 0.00201 05/23/22 19:32 <0.00201 U mg/Kg 05/23/22 11:13 Ethylbenzene <0.00201 U 0.00201 05/23/22 11:13 05/23/22 19:32 mg/Kg <0.00402 U 0.00402 05/23/22 11:13 05/23/22 19:32 m-Xylene & p-Xylene mg/Kg 0.00201 05/23/22 19:32 o-Xylene <0.00201 U ma/Ka 05/23/22 11:13 1 Xylenes, Total <0.00402 U 0.00402 mg/Kg 05/23/22 11:13 05/23/22 19:32 %Recovery Qualifier Limits Prepared Analyzed Dil Fac Surrogate 4-Bromofluorobenzene (Surr) 110 70 - 130 05/23/22 11:13 05/23/22 19:32 70 - 130 1,4-Difluorobenzene (Surr) 93 05/23/22 11.13 05/23/22 19:32 1 Method: Total BTEX - Total BTEX Calculation Analyte Qualifier MDL Unit D Result RL Prepared Analyzed Dil Fac Total BTEX <0.00402 U 0.00402 05/24/22 11:05 mg/Kg 1 Method: 8015 NM - Diesel Range Organics (DRO) (GC) Analyte **Result Qualifier** RL MDL Unit D Prepared Analyzed Dil Fac Total TPH 50.0 05/24/22 09:21 <50.0 U mg/Kg Method: 8015B NM - Diesel Range Organics (DRO) (GC) Analyte **Result Qualifier** RL MDL Unit D Prepared Analyzed Dil Fac Gasoline Range Organics <50.0 U 50.0 mg/Kg 05/23/22 08:24 05/23/22 18.03 1 (GRO)-C6-C10 **Diesel Range Organics (Over** <50.0 U 50.0 mg/Kg 05/23/22 08:24 05/23/22 18:03 1 C10-C28) 05/23/22 08:24 05/23/22 18:03 Oll Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 1 %Recovery Qualifier Limits Dil Fac Surrogate Prepared Analvzed 70 - 130 05/23/22 08:24 05/23/22 18:03 1-Chlorooctane 89 94 05/23/22 08:24

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05/23/22 18:03

o-Terphenyl

70 - 130

		Clien	t Sample R	Results	;				
Client: Ensolum								Job ID: 890	
Project/Site: Pecos Federal #001Y								SDG: 03A1	987014
Client Sample ID: PH16							Lab Sar	nple ID: 890-	2326-4
Date Collected: 05/18/22 11:30								Matri	x: Solie
Date Received: 05/19/22 16:12									
Sample Depth: 1									
	natography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	673		24.9		mg/Kg			05/25/22 08:36	ł
Client Sample ID: PH17							Lab Sar	nple ID: 890-	2326-
Date Collected: 05/18/22 11:35									x: Solic
Date Received: 05/19/22 16:12									
Sample Depth: 0.5									
_ Method: 8021B - Volatile Organic (Compounds								
Analyte	-	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/23/22 11:13	05/23/22 19:53	
Toluene			0.00200		mg/Kg		05/23/22 11:13	05/23/22 19:53	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/23/22 11:13	05/23/22 19:53	
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/23/22 11:13	05/23/22 19:53	
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/23/22 11:13	05/23/22 19:53	
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/23/22 11:13	05/23/22 19:53	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	115		70 - 130				05/23/22 11:13	05/23/22 19:53	
1,4-Difluorobenzene (Surr)	96		70 - 130				05/23/22 11:13	05/23/22 19:53	1
– Method: Total BTEX - Total BTEX (Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/24/22 11:05	
– Method: 8015 NM - Diesel Range C	Organics (DR	O) (GC)							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	73.7		49.9		mg/Kg			05/24/22 09:21	,
Method: 8015B NM - Diesel Range	Organics (D	RO) (GC)							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	73.7		49.9		mg/Kg		05/23/22 08:24	05/23/22 18:25	,
(GRO)-C6-C10 Diesel Range Organics (Over	<49.9	П	49.9		mg/Kg		05/23/22 08:24	05/23/22 18:25	
C10-C28)	5.57	5	-5.5		myrry		55/20/22 00.24	JUIZUIZZ 10.20	
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/23/22 08:24	05/23/22 18:25	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	105		70 - 130				05/23/22 08:24	05/23/22 18:25	
o-Terphenyl	118		70 - 130				05/23/22 08:24	05/23/22 18:25	-
_ Method: 300.0 - Anions, Ion Chron	natography -	Soluble							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa

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05/25/22 08:46

Chloride

4.95

mg/Kg

38.2

Job ID: 890-2326-1 SDG: 03A1987014

Client Sample ID: PH17

Project/Site: Pecos Federal #001Y

Date Collected: 05/18/22 11:40 Date Received: 05/19/22 16:12

Sample Depth: 1

Client: Ensolum

Lab Sample ID: 890-2326-6

Matrix: Solid

Method: 8021B - Volatile Organic									
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/23/22 11:13	05/23/22 20:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/23/22 11:13	05/23/22 20:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/23/22 11:13	05/23/22 20:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/23/22 11:13	05/23/22 20:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/23/22 11:13	05/23/22 20:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/23/22 11:13	05/23/22 20:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				05/23/22 11:13	05/23/22 20:13	1
1,4-Difluorobenzene (Surr)	94		70 - 130				05/23/22 11:13	05/23/22 20:13	1
Method: Total BTEX - Total BTEX	Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00398	U	0.00398		mg/Kg			05/24/22 11:05	1
Method: 8015 NM - Diesel Range Analyte	Result	Qualifier	RL	MDL		<u>D</u>	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/24/22 09:21	1
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	
Gasoline Range Organics (GRO)-C6-C10	<49.9	 [] *1							Dil Fac
		0	49.9		mg/Kg		05/24/22 08:22	05/24/22 17:50	Dil Fac
Diesel Range Organics (Over	<49.9		49.9 49.9		mg/Kg mg/Kg		05/24/22 08:22 05/24/22 08:22	05/24/22 17:50 05/24/22 17:50	
	<49.9 <49.9	U *1							1
Diesel Range Organics (Over C10-C28)		U *1 U	49.9		mg/Kg		05/24/22 08:22	05/24/22 17:50	1 1
Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<49.9	U *1 U	49.9 49.9		mg/Kg		05/24/22 08:22 05/24/22 08:22	05/24/22 17:50 05/24/22 17:50	1 1 1
Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	<49.9 %Recovery	U *1 U	49.9 49.9 Limits		mg/Kg		05/24/22 08:22 05/24/22 08:22 Prepared	05/24/22 17:50 05/24/22 17:50 Analyzed	1 1 1 Dil Fac
Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	<49.9 	U *1 U Qualifier	49.9 49.9 <u>Limits</u> 70 - 130		mg/Kg		05/24/22 08:22 05/24/22 08:22 Prepared 05/24/22 08:22	05/24/22 17:50 05/24/22 17:50 <u>Analyzed</u> 05/24/22 17:50	1 1 1 <u>Dil Fac</u> 1
Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	<49.9 <u>%Recovery</u> 113 106 omatography -	U *1 U Qualifier	49.9 49.9 <u>Limits</u> 70 - 130	MDL	mg/Kg mg/Kg	D	05/24/22 08:22 05/24/22 08:22 Prepared 05/24/22 08:22	05/24/22 17:50 05/24/22 17:50 <u>Analyzed</u> 05/24/22 17:50	1 1 1 <u>Dil Fac</u> 1

Client: Ensolum Project/Site: Pecos Federal #001Y

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

Percent Surrogate Recovery (Acceptance Limits) BFB1 DFBZ1 Client Sample ID (70-130) (70-130) Lab Sample ID 890-2323-A-1-E MS Matrix Spike 118 91 890-2323-A-1-F MSD Matrix Spike Duplicate 110 95 890-2326-1 PH15 111 98 **PH15** 96 890-2326-2 111 890-2326-3 PH16 110 96 PH16 890-2326-4 110 93 890-2326-5 PH17 115 96 890-2326-6 PH17 94 114 LCS 880-26086/1-A Lab Control Sample 108 92 LCSD 880-26086/2-A Lab Control Sample Dup 113 90 MB 880-26086/5-A Method Blank 107 89 Surrogate Legend BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

_			
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-15067-A-21-C MS	Matrix Spike	88	75
880-15067-A-21-D MSD	Matrix Spike Duplicate	100	85
890-2323-A-2-B MS	Matrix Spike	101	102
890-2323-A-2-C MSD	Matrix Spike Duplicate	93	93
890-2326-1	PH15	100	110
890-2326-2	PH15	101	110
890-2326-3	PH16	102	109
890-2326-4	PH16	89	94
890-2326-5	PH17	105	118
890-2326-6	PH17	113	106
LCS 880-26028/2-A	Lab Control Sample	103	107
LCS 880-26124/2-A	Lab Control Sample	147 S1+	127
LCSD 880-26028/3-A	Lab Control Sample Dup	109	113
LCSD 880-26124/3-A	Lab Control Sample Dup	115	102
MB 880-26028/1-A	Method Blank	107	122
MB 880-26124/1-A	Method Blank	122	119

Surrogate Legend

1CO = 1-Chlorooctane OTPH = o-Terphenyl

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Job ID: 890-2326-1 SDG: 03A1987014

Prep Type: Total/NA

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Prep Type: Total/NA

Client: Ensolum Project/Site: Pecos Federal #001Y

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-26086/5-A Matrix: Solid Analysis Batch: 26017										Client Sa	ample ID: Metho Prep Type: ⁻ Prep Bato	Total/NA
A h.da		MB				11		_			A	Dil Fac
Analyte		Qualifier			MDL			<u>D</u>		repared	Analyzed	
Benzene	< 0.00200		0.00200			mg/Kg				3/22 11:13	05/23/22 12:40	1
	<0.00200		0.00200			mg/Kg				3/22 11:13	05/23/22 12:40	1
Ethylbenzene	<0.00200		0.00200			mg/Kg				3/22 11:13	05/23/22 12:40	1
m-Xylene & p-Xylene	<0.00400		0.00400			mg/Kg				3/22 11:13	05/23/22 12:40	1
o-Xylene	<0.00200	U	0.00200			mg/Kg			05/2	3/22 11:13	05/23/22 12:40	1
Xylenes, Total	<0.00400	U	0.00400			mg/Kg			05/2	3/22 11:13	05/23/22 12:40	1
	МВ	МВ										
Surrogate	%Recovery	Qualifier	Limits						P	repared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130						05/2	3/22 11:13	05/23/22 12:40	1
1,4-Difluorobenzene (Surr)	89		70 - 130						05/2	3/22 11:13	05/23/22 12:40	1
Lab Sample ID: LCS 880-26086/1-A								С	lient	Sample	ID: Lab Control	Sample
Matrix: Solid											Prep Type:	Total/NA
Analysis Batch: 26017											Prep Batc	n: 26086
			Spike	LCS	LCS						%Rec	
Analyte			Added	Result	Qual	ifier	Unit		D	%Rec	Limits	
Benzene			0.100	0.07806			mg/Kg			78	70 - 130	
Toluene			0.100	0.09288			mg/Kg			93	70 - 130	
Ethylbenzene			0.100	0.09738			mg/Kg			97	70 - 130	
m-Xylene & p-Xylene			0.200	0.2011			mg/Kg			101	70 - 130	
o-Xylene			0.100	0.1007			mg/Kg			101	70 - 130	
-												

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: LCSD 880-26086/2-A

Matrix: Solid and the market

Analysis Batch: 26017							Prep	Batch:	26086
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.07770		mg/Kg		78	70 - 130	0	35
Toluene	0.100	0.09565		mg/Kg		96	70 - 130	3	35
Ethylbenzene	0.100	0.1006		mg/Kg		101	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2095		mg/Kg		105	70 - 130	4	35
o-Xylene	0.100	0.1055		mg/Kg		105	70 - 130	5	35

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

Lab Sample ID: 890-2323-A-1-E MS

Matrix: Solid aluaia Batahi 26047

Analysis Batch: 26017									Pre	o Batch: 26086
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00201	U	0.101	0.07463		mg/Kg		74	70 - 130	
Toluene	<0.00201	U	0.101	0.08606		mg/Kg		85	70 - 130	

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Prep Type: Total/NA

Client Sample ID: Matrix Spike

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

MS MS

0.08076

0.1659

0.08089

Result Qualifier

Unit

mg/Kg

mg/Kg

mg/Kg

Spike

Added

0.101

0.202

0.101

Limits 70 - 130

70 - 130

Client: Ensolum Project/Site: Pecos Federal #001Y

Matrix: Solid

Analyte

o-Xylene

Surrogate

Ethylbenzene

m-Xylene & p-Xylene

Analysis Batch: 26017

Lab Sample ID: 890-2323-A-1-E MS

Sample Sample

MS MS

%Recovery Qualifier

118

91

<0.00201 U

<0.00402 U

<0.00201 U

Result Qualifier

Prep Type: Total/NA

Prep Batch: 26086

Client Sample ID: Matrix Spike

%Rec

Limits

70 - 130

70 - 130

70 - 130

%Rec

80

82

80

D

7

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

Matrix: Solid Analysis Batch: 26017

Lab Sample ID: 890-2323-A-1-F MSD

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

Analysis Batch: 26017									Prep	Batch:	26086
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00201	U	0.0990	0.07739		mg/Kg		78	70 - 130	4	35
Toluene	<0.00201	U	0.0990	0.08395		mg/Kg		85	70 - 130	2	35
Ethylbenzene	<0.00201	U	0.0990	0.07464		mg/Kg		75	70 - 130	8	35
m-Xylene & p-Xylene	<0.00402	U	0.198	0.1500		mg/Kg		76	70 - 130	10	35
o-Xylene	<0.00201	U	0.0990	0.07520		mg/Kg		76	70 - 130	7	35
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	110		70 - 130								
1,4-Difluorobenzene (Surr)	95		70 - 130								

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

Lab Sample ID: MB 880-26028/1-A Matrix: Solid Analysis Batch: 26024	мв	МВ					Client Sa	mple ID: Metho Prep Type: 1 Prep Batch	Total/NA
Analyte		Qualifier	RL	MDL U	Jnit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	m	ng/Kg		05/23/22 08:23	05/23/22 09:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	rr	ng/Kg		05/23/22 08:23	05/23/22 09:53	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	r	ng/Kg		05/23/22 08:23	05/23/22 09:53	1
	МВ	МВ							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				05/23/22 08:23	05/23/22 09:53	1
o-Terphenyl	122		70 - 130				05/23/22 08:23	05/23/22 09:53	1

Lab Sample ID: LCS 880-26028/2-A Matrix: Solid naturala Datahi 20024

Analysis Batch: 26024							Prep	Batch: 26028
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	888.2		mg/Kg		89	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	800.7		mg/Kg		80	70 - 130	
C10-C28)								

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Prep Type: Total/NA

Client Sample ID: Lab Control Sample

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Client: Ensolum Project/Site: Pecos Federal #001Y

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

Lab Sample ID: LCS 880-26					,		Client	Sample	ID: Lab C	ontrol S	ample
Matrix: Solid									Prep 1	Type: To	tal/NA
Analysis Batch: 26024									Prep	Batch:	26028
	105	LCS									
Surrogate	%Recovery		Limits								
1-Chlorooctane		Quanner	70 - 130								
o-Terphenyl	100		70 - 130								
	107		10 - 100								
Lab Sample ID: LCSD 880-2	6028/3-A					Clier	nt Sam	nple ID:	Lab Contro	ol Sampl	e Dup
Matrix: Solid										Type: To	-
Analysis Batch: 26024										Batch:	
			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics			1000	908.6		mg/Kg		91	70 - 130	2	20
(GRO)-C6-C10			1000	000.0				0.		-	20
Diesel Range Organics (Over			1000	914.8		mg/Kg		91	70 - 130	13	20
C10-C28)											
	ICED	LCSD									
Surragata	%Recovery		Limits								
Surrogate 1-Chlorooctane		Quaimer	70 - 130								
	109		70 - 130 70 - 130								
o-Terphenyl 	113		70 - 730								
	2-B MS							Client	Sample ID	·Matrix	Snike
Matrix: Solid	2 8 110							onone		Гуре: То	-
Analysis Batch: 26024										Batch:	
Analysis Buton: 20024	Sample	Sample	Spike	MS	MS				%Rec	Batom	20020
Analyte	-	Qualifier	Added		Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics		U F1 F2	1000	1466		mg/Kg		144	70 - 130		
(GRO)-C6-C10	00.0	02	1000						10 - 100		
Diesel Range Organics (Over	<50.0	U	1000	948.2		mg/Kg		95	70 - 130		
C10-C28)											
	МС	MS									
Summe mede			l incite.								
Surrogate 1-Chlorooctane	%Recovery	Quaimer									
	101										
o-Terphenyl	102		70 - 130								
 Lab Sample ID: 890-2323-A-						CI	iont S	amplo IF): Matrix S	aiko Dur	licato
Matrix: Solid	2-0 1100					01				Гуре: То	
Analysis Batch: 26024										Batch:	
Analysis Datell. 20024	Sample	Sample	Spike	Men	MSD				%Rec	Daten.	RPD
Analyte	-	Qualifier	Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics		U F1 F2	999	1176		mg/Kg		116	70 - 130	22	20
Gasoline Range Organics (GRO)-C6-C10	<50.0		999	1170	172	my/Kg		110	10 - 130	22	20
Diesel Range Organics (Over	<50.0	U	999	871.0		mg/Kg		87	70 - 130	8	20
C10-C28)	-00.0	-	000	07.1.0				0,		0	20
/											
	MSD	MSD									

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	93		70 - 130

SDG: 03A1987014

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

Lab Sample ID: MB 880-26124/1-4 Matrix: Solid Analysis Batch: 26134	A.									Client S		Method Type: To Batch:	tal/NA
		MB											
Analyte			Qualifier	RL		MDL			D	Prepared	Analyz		Dil Fac
Gasoline Range Organics	<	<50.0	U	50.0			mg/Kg			05/24/22 08:22	05/24/22	10:11	1
(GRO)-C6-C10			· .	50.0									
Diesel Range Organics (Over	<	<50.0	U	50.0			mg/Kg			05/24/22 08:22	05/24/22	10:11	1
C10-C28) Oll Papago Organics (Over C28 C36)	,	~EU U		50.0			malka			05/04/00 08.00	0=101/00	10-11	1
Oll Range Organics (Over C28-C36)		<50.0	U	50.0			mg/Kg			05/24/22 08:22	05/24/22	10.11	1
		ΜВ	MB										
Surrogate	%Reco	overy	Qualifier	Limits						Prepared	Analyz	ed	Dil Fac
1-Chlorooctane		122		70 - 130						05/24/22 08:22	05/24/22	10:11	1
o-Terphenyl		119		70 - 130						05/24/22 08:22	05/24/22	10:11	1
Lab Sample ID: LCS 880-26124/2-	- A								С	Client Sample			
Matrix: Solid											Prep 7	Гуре: То	tal/NA
Analysis Batch: 26134											Prep	Batch:	26124
				Spike	LCS	LCS					%Rec		
Analyte				Added	Result	Qual	ifier	Unit		D %Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10				1000	1118			mg/Kg		112	70 - 130		
Diesel Range Organics (Over C10-C28)				1000	972.6			mg/Kg		97	70 - 130		
010-028													
		LCS											
Surrogate	%Recovery		lifier	Limits									
1-Chlorooctane	147	S1+		70 - 130									
o-Terphenyl	127			70 - 130									
													_
Lab Sample ID: LCSD 880-26124/	3-A							CI	ent	Sample ID: L			
Matrix: Solid												Гуре: То	
Analysis Batch: 26134												Batch:	
				Spike	LCSD						%Rec		RPD
Analyte				Added	Result		ifier	Unit		D %Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10				1000	814.5	*1		mg/Kg		81	70 - 130	31	20
Diesel Range Organics (Over C10-C28)				1000	776.9	*1		mg/Kg		78	70 - 130	22	20
	LCSD	LCS	D										
Surrogate	%Recovery	Qual	lifier	Limits									
1-Chlorooctane	115			70 - 130									
o-Terphenyl	102			70 - 130									
Lab Sample ID: 880-15067-A-21-C	MS									Client	Sample ID	• Matrix	Spiko
										Glient			
Matrix: Solid												Type: To	
Analysis Batch: 26134		-		-								Batch:	26124
	Sample	-	-	Spike		MS					%Rec		
Analyte	Result	Qual	lifier	Added	Result	Qual	ifier	Unit		D %Rec	Limits		

Analysis Batch: 26134									Prep	Batch: 26124
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	55.3	*1	1000	778.9		mg/Kg		72	70 - 130	
(GRO)-C6-C10										
Diesel Range Organics (Over	<50.0	U *1	1000	799.3		mg/Kg		78	70 - 130	
C10-C28)										

Job ID: 890-2326-1 SDG: 03A1987014

Client: Ensolum Project/Site: Pecos Federal #001Y

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

Lab Sample ID: 880-15067-A-21-C MS Matrix: Solid

Analysis Batch: 26134

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	88		70 _ 130
o-Terphenyl	75		70 _ 130

Lab Sample ID: 880-15067-A-21-D MSD Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography

Matrix: Solid Analysis Batch: 26134										Type: To Batch:	
	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	55.3	*1	999	925.3		mg/Kg		87	70 - 130	17	20
Diesel Range Organics (Over C10-C28)	<50.0	U *1	999	906.2		mg/Kg		89	70 - 130	13	20
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	100		70 - 130								
o-Terphenyl	85		70 - 130								

- Lab Sample ID: MB 880-26084/1-A												Client S	Sample ID:	Method	Blank
Matrix: Solid														Type: S	
Analysis Batch: 26199															
		мв	МВ												
Analyte	R	esult	Qualifier		RL		MDL	Unit		D	Р	repared	Analyz	zed	Dil Fac
Chloride	~	<5.00	U		5.00			mg/Kg					05/25/22	04:55	1
- Lab Sample ID: LCS 880-26084/2-A										Cli	ent	Sample	e ID: Lab C	ontrol S	ample
Matrix: Solid													Prep	Type: S	Soluble
Analysis Batch: 26199															
				Spike		LCS	LCS						%Rec		
Analyte				Added		Result	Qua	lifier	Unit		D	%Rec	Limits		
Chloride				250		247.4			mg/Kg		_	99	90 - 110		
Lab Sample ID: LCSD 880-26084/3-	A								CI	ient S	Sam	ple ID:	Lab Contro	ol Samp	le Dup
Matrix: Solid													Prep	Type: S	oluble
Analysis Batch: 26199															
				Spike		LCSD	LCS	D					%Rec		RPD
Analyte				Added		Result	Qua	lifier	Unit		D	%Rec	Limits	RPD	Limit
Chloride				250		255.6			mg/Kg		_	102	90 - 110	3	20
Lab Sample ID: 890-2326-1 MS													Client Sa	mple ID	: PH15
Matrix: Solid													Prep	Type: S	oluble
Analysis Batch: 26199															
-	Sample	Sam	ple	Spike		MS	MS						%Rec		
Analyte	Result	Oual	lifior	habhΔ		Result	Oual	lifior	Unit		п	%Rec	l imite		

Client Sample ID: Matrix Spike Prep Type: Total/NA Prep Batch: 26124 7

Job ID: 890-2326-1 SDG: 03A1987014

Client Sample ID: Matrix Spike Duplicate

139

90 - 110

8780 F1

Chloride

15820 F1

mg/Kg

Client: Ensolum Project/Site: Pecos Federal #001Y Job ID: 890-2326-1 SDG: 03A1987014

Method: 300.0 - Anions, Ion Chromatography (Continued)

											DUAS	
ab Sample ID: 890-2326-1 MS latrix: Solid	3D								Client San Prep	mple ID: Type: So		
nalysis Batch: 26199	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
nalyte	Result	Qualifier	Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
nloride	8780	F1	5050	16220	F1	mg/Kg		147	90 - 110	2	20	
												j

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QC Association Summary

Client: Ensolum Project/Site: Pecos Federal #001Y

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Job ID: 890-2326-1 SDG: 03A1987014

GC VOA

Analysis Batch: 26017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2326-1	PH15	Total/NA	Solid	8021B	26086
890-2326-2	PH15	Total/NA	Solid	8021B	26086
890-2326-3	PH16	Total/NA	Solid	8021B	26086
890-2326-4	PH16	Total/NA	Solid	8021B	26086
890-2326-5	PH17	Total/NA	Solid	8021B	26086
890-2326-6	PH17	Total/NA	Solid	8021B	26086
MB 880-26086/5-A	Method Blank	Total/NA	Solid	8021B	26086
LCS 880-26086/1-A	Lab Control Sample	Total/NA	Solid	8021B	26086
LCSD 880-26086/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	26086
890-2323-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	26086
890-2323-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	26086

Prep Batch: 26086

IVID 000-20000/5-A	Method Blank	Total/INA	50lld	0U21D	20000	
LCS 880-26086/1-A	Lab Control Sample	Total/NA	Solid	8021B	26086	8
LCSD 880-26086/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	26086	
890-2323-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	26086	9
890-2323-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	26086	
Prep Batch: 26086						10
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	11
890-2326-1	PH15	Total/NA	Solid	5035		
890-2326-2	PH15	Total/NA	Solid	5035		12
890-2326-3	PH16	Total/NA	Solid	5035		
890-2326-4	PH16	Total/NA	Solid	5035		4.9
890-2326-5	PH17	Total/NA	Solid	5035		13
890-2326-6	PH17	Total/NA	Solid	5035		
MB 880-26086/5-A	Method Blank	Total/NA	Solid	5035		14
LCS 880-26086/1-A	Lab Control Sample	Total/NA	Solid	5035		
LCSD 880-26086/2-A	Lab Control Sample Dup	Total/NA	Solid	5035		
890-2323-A-1-E MS	Matrix Spike	Total/NA	Solid	5035		
890-2323-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035		

Analysis Batch: 26172

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-2326-1	PH15	Total/NA	Solid	Total BTEX	
890-2326-2	PH15	Total/NA	Solid	Total BTEX	
890-2326-3	PH16	Total/NA	Solid	Total BTEX	
890-2326-4	PH16	Total/NA	Solid	Total BTEX	
890-2326-5	PH17	Total/NA	Solid	Total BTEX	
890-2326-6	PH17	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 26024

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-2326-1	PH15	Total/NA	Solid	8015B NM	26028
890-2326-2	PH15	Total/NA	Solid	8015B NM	26028
890-2326-3	PH16	Total/NA	Solid	8015B NM	26028
890-2326-4	PH16	Total/NA	Solid	8015B NM	26028
890-2326-5	PH17	Total/NA	Solid	8015B NM	26028
MB 880-26028/1-A	Method Blank	Total/NA	Solid	8015B NM	26028
LCS 880-26028/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	26028
LCSD 880-26028/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	26028
890-2323-A-2-B MS	Matrix Spike	Total/NA	Solid	8015B NM	26028
890-2323-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	26028

QC Association Summary

Client: Ensolum Project/Site: Pecos Federal #001Y Job ID: 890-2326-1 SDG: 03A1987014

GC Semi VOA

Prep Batch: 26028

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2326-1	PH15	Total/NA	Solid	8015NM Prep	
890-2326-2	PH15	Total/NA	Solid	8015NM Prep	
890-2326-3	PH16	Total/NA	Solid	8015NM Prep	
890-2326-4	PH16	Total/NA	Solid	8015NM Prep	
890-2326-5	PH17	Total/NA	Solid	8015NM Prep	
MB 880-26028/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-26028/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-26028/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2323-A-2-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2323-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 26124

LUS 000-20020/2-A	Lab Control Sample	TOLAI/INA	Solid	ou i sinivi Prep		
LCSD 880-26028/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep		8
890-2323-A-2-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep		
890-2323-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep		9
Prep Batch: 26124						
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	
890-2326-6	PH17	Total/NA	Solid	8015NM Prep		
MB 880-26124/1-A	Method Blank	Total/NA	Solid	8015NM Prep		
LCS 880-26124/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep		
LCSD 880-26124/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep		
880-15067-A-21-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep		
880-15067-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep		13
Analysis Batch: 26130						

Analysis Batch: 26130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2326-1	PH15	Total/NA	Solid	8015 NM	
890-2326-2	PH15	Total/NA	Solid	8015 NM	
890-2326-3	PH16	Total/NA	Solid	8015 NM	
890-2326-4	PH16	Total/NA	Solid	8015 NM	
890-2326-5	PH17	Total/NA	Solid	8015 NM	
890-2326-6	PH17	Total/NA	Solid	8015 NM	

Analysis Batch: 26134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2326-6	PH17	Total/NA	Solid	8015B NM	26124
MB 880-26124/1-A	Method Blank	Total/NA	Solid	8015B NM	26124
LCS 880-26124/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	26124
LCSD 880-26124/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	26124
880-15067-A-21-C MS	Matrix Spike	Total/NA	Solid	8015B NM	26124
880-15067-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	26124

HPLC/IC

Leach Batch: 26084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
890-2326-1	PH15	Soluble	Solid	DI Leach	
890-2326-2	PH15	Soluble	Solid	DI Leach	
890-2326-3	PH16	Soluble	Solid	DI Leach	
890-2326-4	PH16	Soluble	Solid	DI Leach	
890-2326-5	PH17	Soluble	Solid	DI Leach	
890-2326-6	PH17	Soluble	Solid	DI Leach	
MB 880-26084/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-26084/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-26084/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

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HPLC/IC (Continued)

Leach Batch: 26084 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2326-1 MS	PH15	Soluble	Solid	DI Leach	
890-2326-1 MSD	PH15	Soluble	Solid	DI Leach	

Analysis Batch: 26199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	
890-2326-1	PH15	Soluble	Solid	300.0	26084	
890-2326-2	PH15	Soluble	Solid	300.0	26084	_
890-2326-3	PH16	Soluble	Solid	300.0	26084	8
890-2326-4	PH16	Soluble	Solid	300.0	26084	
390-2326-5	PH17	Soluble	Solid	300.0	26084	9
390-2326-6	PH17	Soluble	Solid	300.0	26084	
MB 880-26084/1-A	Method Blank	Soluble	Solid	300.0	26084	
_CS 880-26084/2-A	Lab Control Sample	Soluble	Solid	300.0	26084	
CSD 880-26084/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	26084	
890-2326-1 MS	PH15	Soluble	Solid	300.0	26084	
390-2326-1 MSD	PH15	Soluble	Solid	300.0	26084	
						13

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Job ID: 890-2326-1 SDG: 03A1987014

Job ID: 890-2326-1 SDG: 03A1987014

Lab Sample ID: 890-2326-1 Matrix: Solid

Lab Sample ID: 890-2326-2

Lab Sample ID: 890-2326-3

Lab Sample ID: 890-2326-4

Matrix: Solid

Matrix: Solid

Date Collected: 05/18/22 11:15 Date Received: 05/19/22 16:12

Client Sample ID: PH15

Project/Site: Pecos Federal #001Y

Client: Ensolum

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	26086	05/23/22 11:13	MR	XEN MID
Total/NA	Analysis	8021B		1			26017	05/23/22 18:31	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26172	05/24/22 11:05	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26130	05/24/22 09:21	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	26028	05/23/22 08:24	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26024	05/23/22 16:59	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	26084	05/23/22 11:02	SC	XEN MID
Soluble	Analysis	300.0		20			26199	05/25/22 07:32	СН	XEN MID

Client Sample ID: PH15

Date Collected: 05/18/22 11:20

Date Received: 05/19/22 16:12

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	26086	05/23/22 11:13	MR	XEN MID
Total/NA	Analysis	8021B		1			26017	05/23/22 18:51	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26172	05/24/22 11:05	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26130	05/24/22 09:21	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	26028	05/23/22 08:24	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26024	05/23/22 17:21	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	26084	05/23/22 11:02	SC	XEN MID
Soluble	Analysis	300.0		5			26199	05/25/22 08:00	CH	XEN MID

Client Sample ID: PH16 Date Collected: 05/18/22 11:25

Date Received: 05/19/22 16:12

	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	26086	05/23/22 11:13	MR	XEN MID
Total/NA	Analysis	8021B		1			26017	05/23/22 19:12	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26172	05/24/22 11:05	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26130	05/24/22 09:21	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	26028	05/23/22 08:24	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26024	05/23/22 17:42	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	26084	05/23/22 11:02	SC	XEN MID
Soluble	Analysis	300.0		20			26199	05/25/22 08:09	СН	XEN MID

Client Sample ID: PH16 Date Collected: 05/18/22 11:30 Date Received: 05/19/22 16:12

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	26086	05/23/22 11:13	MR	XEN MID
Total/NA	Analysis	8021B		1			26017	05/23/22 19:32	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26172	05/24/22 11:05	SM	XEN MID

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Matrix: Solid

Released to Imaging: 9/20/2022 11:04:35 AM

Job ID: 890-2326-1 SDG: 03A1987014

Lab Sample ID: 890-2326-4 Matrix: Solid

Client Sample ID: PH16 Date Collected: 05/18/22 11:30 Date Received: 05/19/22 16:12

Project/Site: Pecos Federal #001Y

Client: Ensolum

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			26130	05/24/22 09:21	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	26028	05/23/22 08:24	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26024	05/23/22 18:03	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	26084	05/23/22 11:02	SC	XEN MID
Soluble	Analysis	300.0		5			26199	05/25/22 08:36	СН	XEN MID

Client Sample ID: PH17 Date Collected: 05/18/22 11:35 Date Received: 05/19/22 16:12

	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	26086	05/23/22 11:13	MR	XEN MID
Total/NA	Analysis	8021B		1			26017	05/23/22 19:53	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26172	05/24/22 11:05	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26130	05/24/22 09:21	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	26028	05/23/22 08:24	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26024	05/23/22 18:25	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	26084	05/23/22 11:02	SC	XEN MID
Soluble	Analysis	300.0		1			26199	05/25/22 08:46	CH	XEN MID

Client Sample ID: PH17 Date Collected: 05/18/22 11:40

Date Received: 05/19/22 16:12

	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	26086	05/23/22 11:13	MR	XEN MID
Total/NA	Analysis	8021B		1			26017	05/23/22 20:13	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26172	05/24/22 11:05	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26130	05/24/22 09:21	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	26124	05/24/22 08:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26134	05/24/22 17:50	SM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	26084	05/23/22 11:02	SC	XEN MID
Soluble	Analysis	300.0		1			26199	05/25/22 08:55	СН	XEN MID

Laboratory References:

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

2326-4 x: Solid

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Lab Sample ID: 890-2326-6

Matrix: Solid

Matrix: Solid

	Δ	ccreditation/C	ertification Summary		
Client: Ensolum Project/Site: Pecos Feo	deral #001Y			Job ID: 890-2326-1 SDG: 03A1987014	2
Laboratory: Eurofi					
Unless otherwise noted, all a	analytes for this laboratory we	re covered under each acc	reditation/certification below.		
Authority	Pr	ogram	Identification Number	Expiration Date	
Texas	NE	ELAP	T104704400-21-22	06-30-22	E
The following analytes	are included in this report, bu	t the laboratory is not certif	ied by the governing authority. This list ma	ay include analytes for which	5
the agency does not of					
Analysis Method	Prep Method	Matrix	Analyte		
8015 NM Total BTEX		Solid Solid	Total TPH Total BTEX		
IOLAI BIEX		Solid			
					8
					9
					10
					10
					13

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Method Summary

Client: Ensolum Project/Site: Pecos Federal #001Y Job ID: 890-2326-1 SDG: 03A1987014

lethod	Method Description	Protocol	Laboratory
3021B	Volatile Organic Compounds (GC)	SW846	XEN MID
lotal 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
OI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID
SW846 = '	= "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, Ma "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third E = TestAmerica Laboratories, Standard Operating Procedure	·	
Laboratory Re	eferences:		
XEN MID	= Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440	0	

Laboratory References:

Eurofins Carlsbad

Released to Imaging: 9/20/2022 11:04:35 AM

Sample Summary

Client: Ensolum Project/Site: Pecos Federal #001Y

Job ID: 890-2326-1 SDG: 03A1987014

ab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth	
0-2326-1	PH15	Solid	05/18/22 11:15	05/19/22 16:12	0.5	
0-2326-2	PH15	Solid	05/18/22 11:20	05/19/22 16:12	1	
0-2326-3	PH16	Solid	05/18/22 11:25	05/19/22 16:12	0.5	Ę
0-2326-4	PH16	Solid	05/18/22 11:30	05/19/22 16:12	1	
0-2326-5	PH17	Solid	05/18/22 11:35	05/19/22 16:12	0.5	
00-2326-6	PH17	Solid	05/18/22 11:40	05/19/22 16:12	1	
						8
						1
						Ī

	Xe	Xenco	Xenco		Ξm	obbs, NM	(575) 39	EL Paso, TX (942) / 07-0740, Cert Annolitor, 174 (210) 000 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	Lubbock arlsbad,	TX (806) NM (575)	EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199			MM	www.xenco.com		Page	of
Project Manager: Be	Ben Belill				Bill to: (if different)	rent)	Jim Raley	aley							Work C	Work Order Comments	lents	
	Ensolum, LLC.				Company Name:	ame:	Devon	Devon Energy Corporation	Corpora	tion			Program:	UST/PST]PRP[Program: UST/PST 🔲 PRP 🗌 Brownfields 🗌 RRC 🗌		Superfund
	3122 National Parks Hwy	arks Hw	У		Address:		5315 E	5315 Buena Vista Dr.	sta Dr.				State of Project:	^o roject:				1
te ZIP:	Carlsbad, NM 88220	8220			City, State ZIP:	IP:	Cartsb	Carlsbad, NM 88220	38220				Reporting	: Level II	Level III	Reporting: Level II CLevel III PST/UST CTRRP		
	989-854-0852			Email:	Email: jim.raley@dvn.com.	dvn.com		bbelill@ensolum.com	um.con				Deliverables: EDD	les: EDD		ADaPT	Other:	
Project Name:	Pecos Federal #001Y	deral #00	014	Turn	Turn Around	_					ANALYS		IS REQUEST				Preserva	Preservative Codes
Project Number:	03A1	03A1987014		Routine	🗌 Rush	Pres. Code	œ ?'								-	None: NO	NO N	DI Water: H ₂ O
Project Location:	Rura	Rural Eddy		Due Date:	5 Day TAT				-		-	_				Cool: Cool	Cool	MeOH: Me
Sampler's Name:	Gilbert	Gilbert Moreno		TAT starts the	TAT starts the day received by	by			.0							HCL: HC	HC	HNU3: HN
#04	CC: 10	CC: 1061183501		1061087201 the lab, if received by 4:30pm	eived by 4:30p	L	в		300							H ₂ S0 ₄ : H ₂	4: H2	NaOH: Na
SAMPLE RECEIPT	Temp	lank:	Yes No	Wet Ice:	Yes No	nete	021	-	HOD							H ₃ PC	H ₃ PO ₄ : HP	
Samples Received Intact:	Kes	-	Thermometer ID:	er ID:	T.N/2-8	1 Iran	DD 8	-	ET	-						NaHt	NaHSO4: NABIS	0
Cooler Custody Seals:	Yes No	NIA	Correction Factor:	actor:	-02	Pa	тно	-	'A N	-	890-2	326 Cha	890-2326 Chain of Custody	dy		Na ₂ S	Na2S2O3: NASO3	U ₃
Sample Custody Seals:	Yes No		Temperature Reading:	e Reading:	1.0		ME	-	- EP							Zn Ai	Zn Acetate+NaOH: Zn	OH: Zn
Total Containers:		0	Corrected T	Corrected Temperature:	0.8	L	EP			-						Nac	H+ASCOLD	NaUH+AScoldic Acid. SAFC
Sample Identification	ication	Matrix	Date Sampled	Time Sampled	Depth Grab/ Comp	ab/ # of mp Cont	BTEX -	TPH - E	CHLOR								Sample	Sample Comments
PH15		S	5.18.22	11:15	0.5' Contro	ndref 1	×	×	×						-		Incic	Incident ID
PH15		S	5.18.22	11:20	1' Cottop	hp	×	×	×			-			\vdash			
PH16		S	5.18.22	11:25	0.5' Comp	mp	×	×	×						-		nAPP22	nAPP2208846424
PH16	-	S	5.18.22	11:30	1' Comp	du	×	×	×						┝			
PH17		S	5.18.22	11:35	0.5' ¢omp	qr	×	×	×			-			+			
PH17	10	S	5.18.22	11:40	1' (Comp	mp	×	×	×	-		_			-			
					GLAB	F												
						_			+-									
Total 200.7 / 6010	0 200.8 / 6020:	20:	8	8RCRA 13PPM	PM Texas 11	11 A		As Ba Be	B Cd	Ca Cr	Co Cu		Mg Mn Mo	lo Ni K	Se Ag	Ng SIO2 Na Sr TI Sn U V ZI	- TI Sn L	
Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from cilent company to Eurofine Xenco, its affiliates and subcont of service. Eurofine Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the cilent if such i	ument and relinquit	shment of a	samples consi f samples and	i shall not assum	tes a valid purchase order from client the availed purchase order from client the second purchase or the second purchase of the second pu	om client bility for a	company t iny losses	or expens	Xenco, fi	s affiliates ed by the c	mpany to Eurofins Xenco, its affiliates and subcontra ly losses or expenses incurred by the client if such lo	ntractors.	ctors. It assigns stan	in the standard terms and conditions losses are due to circumstances beyond the control losses are due to circumstances beyond the control	nd condit ynd the co	ions phrol		
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Chain of Custody

Received by OCD: 6/20/2022 7:29:20 AM

(e) NO.#. #001Y Broyest # #001Y Broyest # Broyest # Broyest # Broyest # Sample Sample Souve Souve Type Souve Souve Type Souve Souve Sample Sample Cation - Client ID (Lab ID) Sample 5/18/22 Mountain Solid 6-1) 5/18/22 Mountain Solid Solid 6-2) 5/18/22 Mountain Solid Solid 6-3) 5/18/22 Mountain Solid Solid 6-4) 5/18/22 Mountain Solid Solid 6-5) 5/18/22 Mountain Solid Solid 6-6) 5/18/22 Mountain Solid Solid 6-7 Solid Solid Solid Solid 6-9 Solid Solid Solid Solid 6-19 Solid Solid Solid Solid <t< th=""><th>Eurofins Carlsbad 1089 N Canal St. Carlsbad, NM 88220 Phone. 575-988-3199 Fax 575-988-3199 Client Information (Sub Contract Lab) Client Contact: Shipping/Receiving Company Eurofins Environment Testing South Centr Address 1211 W Florida Ave City Midland State Zip TX 79701 Phone</th><th>Cha Sampler Phone Due Date Requested. 5/25/2022 TAT Requested (days): PO #:</th><th>Chain of Custody Record</th><th>/ Record</th><th>Required (See Inc. 1997)</th><th></th><th>Carrier Tracking No(s) State of Origin New Mexico</th><th></th></t<>	Eurofins Carlsbad 1089 N Canal St. Carlsbad, NM 88220 Phone. 575-988-3199 Fax 575-988-3199 Client Information (Sub Contract Lab) Client Contact: Shipping/Receiving Company Eurofins Environment Testing South Centr Address 1211 W Florida Ave City Midland State Zip TX 79701 Phone	Cha Sampler Phone Due Date Requested. 5/25/2022 TAT Requested (days): PO #:	Chain of Custody Record	/ Record	Required (See Inc. 1997)		Carrier Tracking No(s) State of Origin New Mexico	
Intification - Client ID (Lab ID) Sample Date Time Time Sample Case (C=Comp. 2326-1) Sample Case (C=Comp. 2326-2) Sample Case (C=Comp. 2326-3) Sa	Midiand State Zip TX 79701 Phone 432-704-5440(Tel) Email Project Name Project Name Project Name Site:	PO # PO # WO # Project # 89000084 SSOW#		MSD (Yes or No)	28D/DI_LEACH Chloride		<u></u>	
3286-1) 5/18/22 Mountain 11.25 Solid X <thx< th=""> X <thx< td=""><td>Sample Identification - Client ID (Lab ID)</td><td>le Date</td><td>Sample Type (C=comp, G=grab)</td><td>Field Filtered Samp Perform MS/MSD ()</td><td>300_ORGFM_28D/DI_I 8021B/5035FP_Calc B</td><td>Total_BTEX_GCV</td><td></td><td></td></thx<></thx<>	Sample Identification - Client ID (Lab ID)	le Date	Sample Type (C=comp, G=grab)	Field Filtered Samp Perform MS/MSD ()	300_ORGFM_28D/DI_I 8021B/5035FP_Calc B	Total_BTEX_GCV		
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quished by Date Time Matheway 5 (20.72a) Date/Time Company Date/Time Date/Time Company Date/Time Company Company	Deliverable Requested 1 II III IV Other (specify)	Primary Deliverable Ra		Special	Instructions/QC	Requirements		,
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	Relinquished by	Date/Time	-		sived by			Date/Time.

Job Number: 890-2326-1 SDG Number: 03A1987014

List Source: Eurofins Carlsbad

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 2326 List Number: 1 Creator: Olivas, Nathaniel

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

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

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Login Sample Receipt Checklist

Client: Ensolum

<6mm (1/4").

Login Number: 2326 List Number: 2 Creator: Kramer, Jessica

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	2.1/1.9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	N/A	

Job Number: 890-2326-1 SDG Number: 03A1987014

List Source: Eurofins Midland List Creation: 05/23/22 08:18 AM

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

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

District III

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

District IV

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

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

CONDITIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	118553
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Remediation Plan Approved with Conditions. Please address chloride concentrations in PH-13 at 2' (1,460 mg/kg).	9/20/2022

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Action 118553