District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # *(assigned by OCD)*
Contact mailing address	

Location of Release Source

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

Site Name	Site Type
Date Release Discovered	API# *(if applicable)*

Unit Letter	Section	Township	Range	County

Surface Owner: ☐ State ☐ 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)
☐ 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		

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice 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

☐ 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 _____ Title: _____

Signature:  Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Spill Calculation - Subsurface Spill - Rectangle											Remediation Recommendation	
Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Average Depth (in.)	On/Off Pad (dropdown)	Soil Spilled-Fluid Saturation (%.)	Estimated volume of each area (bbl.)	Total Estimated Volume of Spill (bbl.)	Percentage of Oil if Spilled Fluid is a Mixture (%.)	Total Estimated Volume of Spilled Oil (bbl.)	Total Estimated Volume of Spilled Liquid other than Oil (bbl.)	Total Estimated Contaminated Soil, uncompacted, 25% (yd^3.)	Current Rule of Thumb - RMR Handover Volume, (yd^3.)
Rectangle A	28.0	18.0	0.1	Off-Pad	15.02%	0.75	0.11		0.01	0.11	0.19	
Rectangle B	15.0	10.0	0.1	Off-Pad	15.02%	0.22	0.03		0.00	0.03	0.06	
Rectangle C	11.0	22.0	0.1	On-Pad	10.50%	0.36	0.04		0.00	0.04	0.09	
Rectangle D	15.0	4.0	0.1	On-Pad	10.50%	0.09	0.01		0.00	0.01	0.02	
Rectangle E	48.0	30.0	0.1	On-Pad	10.50%	2.14	0.22		0.01	0.21	0.56	
Rectangle F	13.0	2.0	0.1	On-Pad	10.50%	0.04	0.00	5%	0.00	0.00	0.01	750
Rectangle G	20.0	8.0	0.1	On-Pad	10.50%	0.24	0.02		0.00	0.02	0.06	
Rectangle H	15.0	5.0	0.3	On-Pad	10.50%	0.28	0.03		0.00	0.03	0.07	
Rectangle I						0.00					0.00	
Rectangle J						0.00					0.00	
					Total Subsurface Volume Released:		0.4752		0.0238	0.4514	1.07	BU

March 13, 2024

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

Re: Remediation Work Plan
Bevo 11 Federal 004H
Incident Number NAPP2329631879
Lea County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of COG Operating, LLC (COG), has prepared the following *Remediation Work Plan* (*Work Plan*) to document assessment and delineation activities completed to date and propose remedial actions to address impacted soil identified at the Bevo 11 Federal 004H (Site). The purpose of the assessment and delineation activities was to determine the lateral and vertical extent of impacted soil resulting from the October 16, 2023, release of produced water and crude oil at the Site. The following *Work Plan* proposes excavation of the impacted soil and requests a variance for the frequency of excavation confirmation samples.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit M, Section 12, Township 22 South, Range 33 East, in Lea County, New Mexico (32.4013°, -103.5331°) and is associated with oil and gas exploration and production operations on State Land managed by the New Mexico State Land Office (NMSLO) and leased by Merchant Livestock Company as the grazing lessee.

On October 16, 2023, internal corrosion on a saltwater disposal (SWD) line resulted in the release of approximately 4.285 barrels (bbls) of produced water and 0.2256 bbls of crude oil onto the well pad and into the adjacent pasture. No released fluids were recovered. COG reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Release Notification Form C-141 (Form C-141) on October 23, 2023. The release was assigned Incident Number NAPP2329631879.

Since the release entered the pasture, the release location was assessed for determination of whether the release encroached into undisturbed areas to comply with the Cultural Properties Protection Rule (CPP) prior to disturbing the surface with mechanical equipment. Ensolum contracted PaleoWest, LLC (doing business as Chronicle Heritage) to conduct an Archaeological Records Management System (ARMS) review. Based on the review of prior cultural resource surveys that overlap the release extent and a field survey, no cultural resources were identified within and/or around the release extent requiring oversight or modifications to remediation efforts. A copy of the NMSLO Cultural Resources Cover Sheet is included as Appendix A.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess the applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization are summarized below and detailed in the NMOCD permitting portal Form C-141 Site Characterization section. Potential Site receptors are identified on Figure 1.

Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data and regional depth to water determination. The closest permitted groundwater well with depth to groundwater data is United States Geological Survey (USGS) well 321843103315101 located approximately 0.28 miles northeast of the Site. The groundwater well has a reported depth to groundwater of 324.95 feet bgs and a total depth of 400 feet bgs. All wells used for depth to groundwater determination are presented on Figure 1. The referenced well records are included in Appendix B.

The closest continuously flowing or significant watercourse to the Site is a riverine, located approximately 900 feet southwest of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

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

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH)-gasoline range organics (GRO) and TPH-diesel range organics (DRO): 1,000 mg/kg
- TPH: 2,500 mg/kg
- Chloride: 20,000 mg/kg

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

Although Merchant Livestock Company's Surface Use and Compensation Agreement (SUCA) with COG does not specify remediation requirements on land owned by the NMSLO, a Closure Criteria of 600 mg/kg chloride, 100 mg/kg TPH, and 50 mg/kg for BTEX will be applied at the Site at the request of the private grazing lessee.

INITIAL SITE ASSESSMENT ACTIVITIES AND LABORATORY ANALYTICAL RESULTS

On October 24, 2023, Ensolum personnel completed a Site visit to evaluate the release extent based on information provided on the Form C-141 and visual observations. Assessment soil samples SS01 through SS10, and SS06A were collected within and around the release extent at depths ranging from 0.5 feet to 1-foot bgs, to assess the extent of the release. The soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride utilizing Hach® chloride QuanTab® test strips. The release extent and assessment soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation was completed during the Site visit and a photographic log is included in Appendix C.

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

Laboratory analytical results for assessment soil samples SS01 through SS04, collected around the release extent, indicated all COC concentrations were compliant with the most stringent Table I Closure Criteria and confirmed the lateral extent of the surface release. Laboratory analytical results for assessment soil samples SS05, SS06A, and SS07 through SS10, collected within the release extent, indicated TPH and/or chloride concentrations exceeded the Site Closure Criteria and/or reclamation requirement. Based on visible staining in the release area, elevated field screening results, and laboratory analytical results for the assessment soil samples, additional delineation activities were warranted.

DELINEATION ACTIVITIES AND LABORATORY ANALYTICAL RESULTS

Between November 27, 2023, and February 6, 2024, delineation activities were conducted at the Site to further assess the extent of the release. Fourteen boreholes (BH01 through BH14) were advanced within the release extent via hand auger, mini excavator, or backhoe to delineate the vertical extent of the release. The boreholes were advanced to depths ranging from 1.5 feet to 9 feet bgs. Final depth of the boreholes was determined by field screening results indicating compliance with the most stringent Table I Closure Criteria or refusal. Soil from the boreholes was field screened at 1-foot intervals for VOCs and chloride following the same procedures described above. Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are included in Appendix D. Discrete delineation soil samples were collected from each borehole at depths ranging from 1-foot to 9 feet bgs. The delineation soil samples were collected, handled, and analyzed following the same procedures as described above. The delineation soil sample locations are depicted on Figure 3.

Laboratory analytical results for the delineation soil samples collected from boreholes BH01 through BH08, and BH10 through BH14, indicated that TPH and/or chloride concentrations exceeded the Site Closure Criteria and/or reclamation requirement, where applicable. Laboratory analytical results for delineation soil samples collected from borehole BH09 indicated all COC concentrations were compliant with the Site Closure Criteria and reclamation requirement. The laboratory analytical results are summarized on the attached Table 1 and the complete laboratory analytical reports are included in Appendix E.

PROPOSED REMEDIAL ACTIONS

The delineation soil sample results indicated soil containing TPH and/or chloride concentrations exceeding the Site Closure Criteria, SUCA requirement, and/or the reclamation requirement is present across an approximate 6,335 square foot area and extends to depths ranging from the ground surface to 9 feet bgs. Based on the delineation soil sample analytical results, COG proposes to complete the following remediation activities:

- The impacted soil identified within the release extent will be excavated. Excavation will proceed laterally and vertically until excavation sidewall and floor samples indicate all COC concentrations are compliant with the Site Closure Criteria, SUCA requirement, and reclamation requirement.
- 5-point composite soil samples will be collected from the sidewalls and floor of the final excavation extent. The 5-point composite samples will be collected by placing five equivalent

aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing.

- Due to the estimated 6,335 square foot size of the excavation, COG requests a variance for frequency of excavation confirmation samples. COG proposes the frequency of confirmation sampling for the excavation floor to be decreased from every 200 square feet (approximately 32 samples) to every 400 square feet (approximately 16 samples). Each 5-point composite floor sample will represent a 400 square foot area. Sidewall samples will be collected at a frequency of every 200 square feet.
- The excavation confirmation soil samples will be handled as described above and analyzed for BTEX, TPH, and chloride.
- An estimated 1,000 cubic yards of impacted soil is anticipated to be excavated. The excavated soil will be transferred to a New Mexico approved disposal facility for disposal.
- The excavation will be backfilled with locally procured backfill and topsoil and recontoured to match pre-existing conditions.
- The disturbed pasture area will be reclaimed.
    - Based on the soil type at the Site, the disturbed pasture area will be re-seeded with the NMSLO sandy sites seed mixture at the rate specified in pounds of pure live seed (PLS) per acre. The seeded pasture area will be monitored for vegetation growth. Additional seed applications and/or weed control will be completed as needed. Annual inspections will take place at the location until revegetation is consistent with local natural vegetation density.

COG will complete the excavation activities within 90 days of the date of approval of this *Work Plan* by the NMOCD. COG believes the scope of work described above will meet the requirements set forth in 19.15.29 NMAC and is protective of human health, the environment, and groundwater. As such, COG respectfully requests approval of this *Work Plan* for Incident Number NAPP2329631879. NMOCD notifications are included in Appendix F.

If you have any questions or comments, please contact Ms. Hadlie Green at (432) 557-8895 or hgreen@ensolum.com.

Sincerely,
Ensolum, LLC

Hadlie Green
Project Geologist

Aimee Cole
Senior Managing Scientist

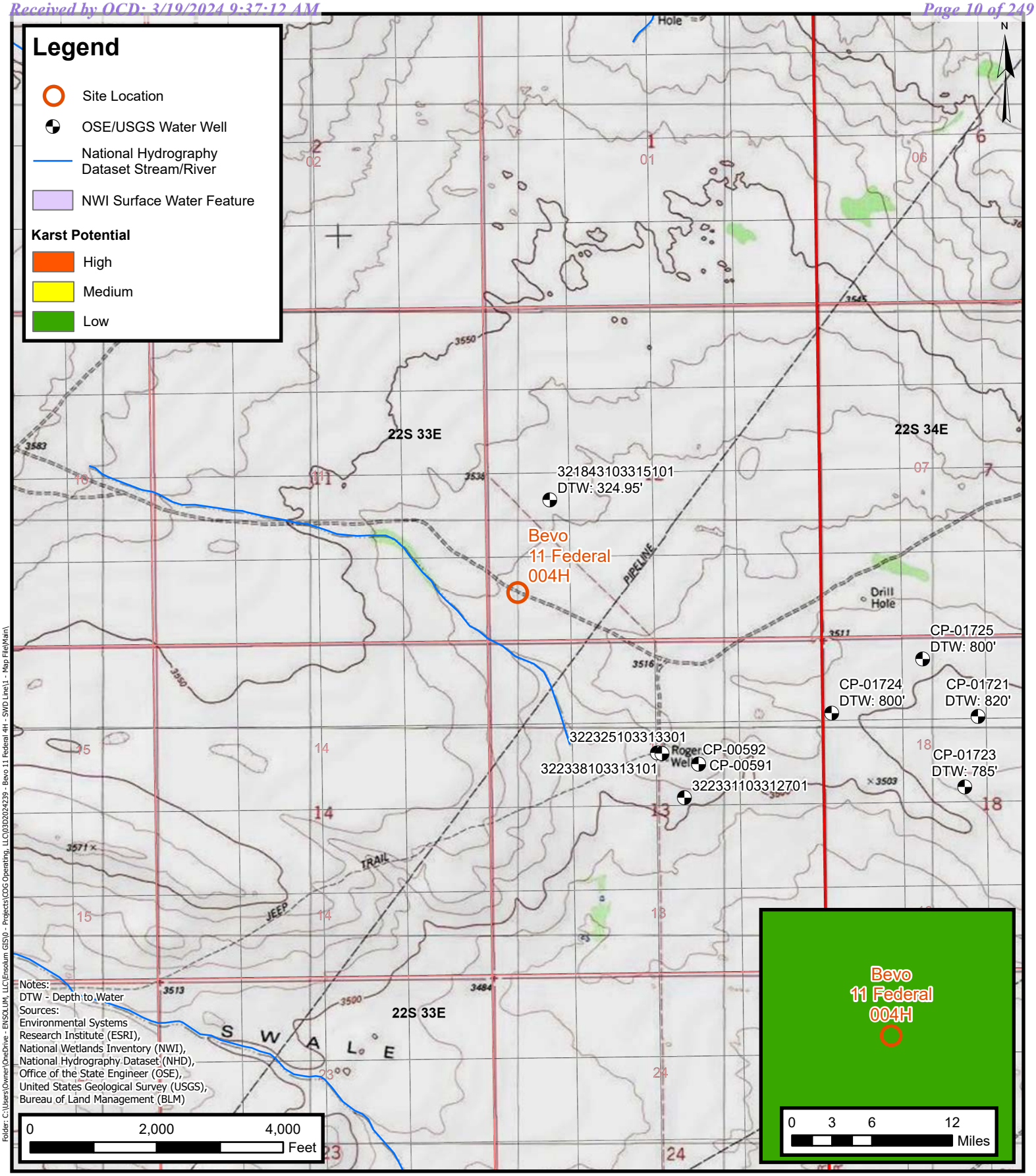
cc: Jacob Laird, ConocoPhillips Company
New Mexico State Land Office

Appendices:

Figure 1 Site Receptor Map
Figure 2 Assessment Soil Sample Locations

ENSOLUM

FIGURES



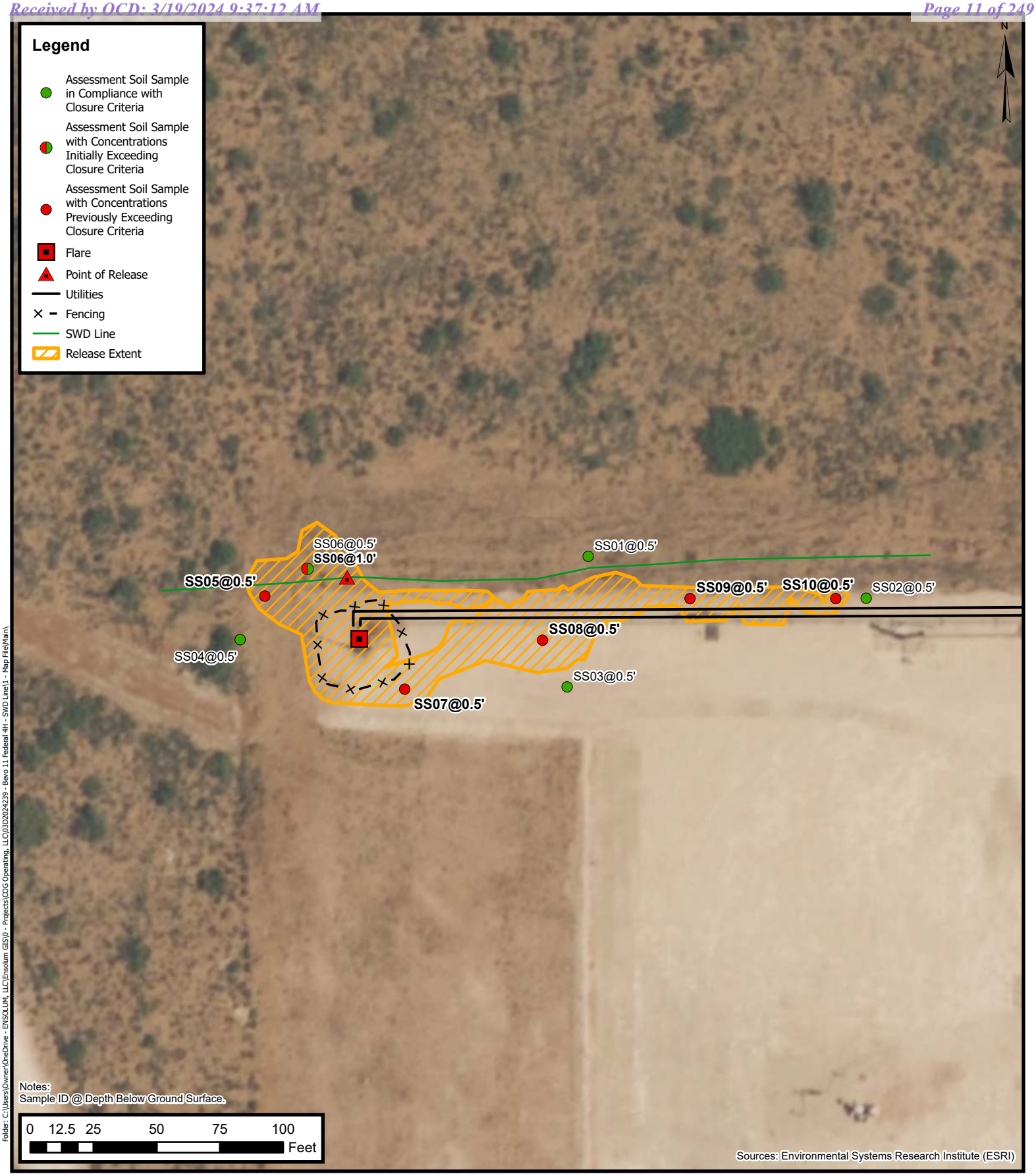
Folder: C:\Users\Owner\OneDrive - ENSOLUM, LLC\Ensolum GIS\0 - Projects\COG Operating, LLC\03D2024239 - Bevo 11 Federal 4H - SWD Line\1 - Map File\Main\

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Site Receptor Map

COG Operating, LLC
Bevo 11 Federal 004H
Incident Number: NAPP2329631879
Unit M, Section 12, T22S, R33E
Lea County, New Mexico

FIGURE 1



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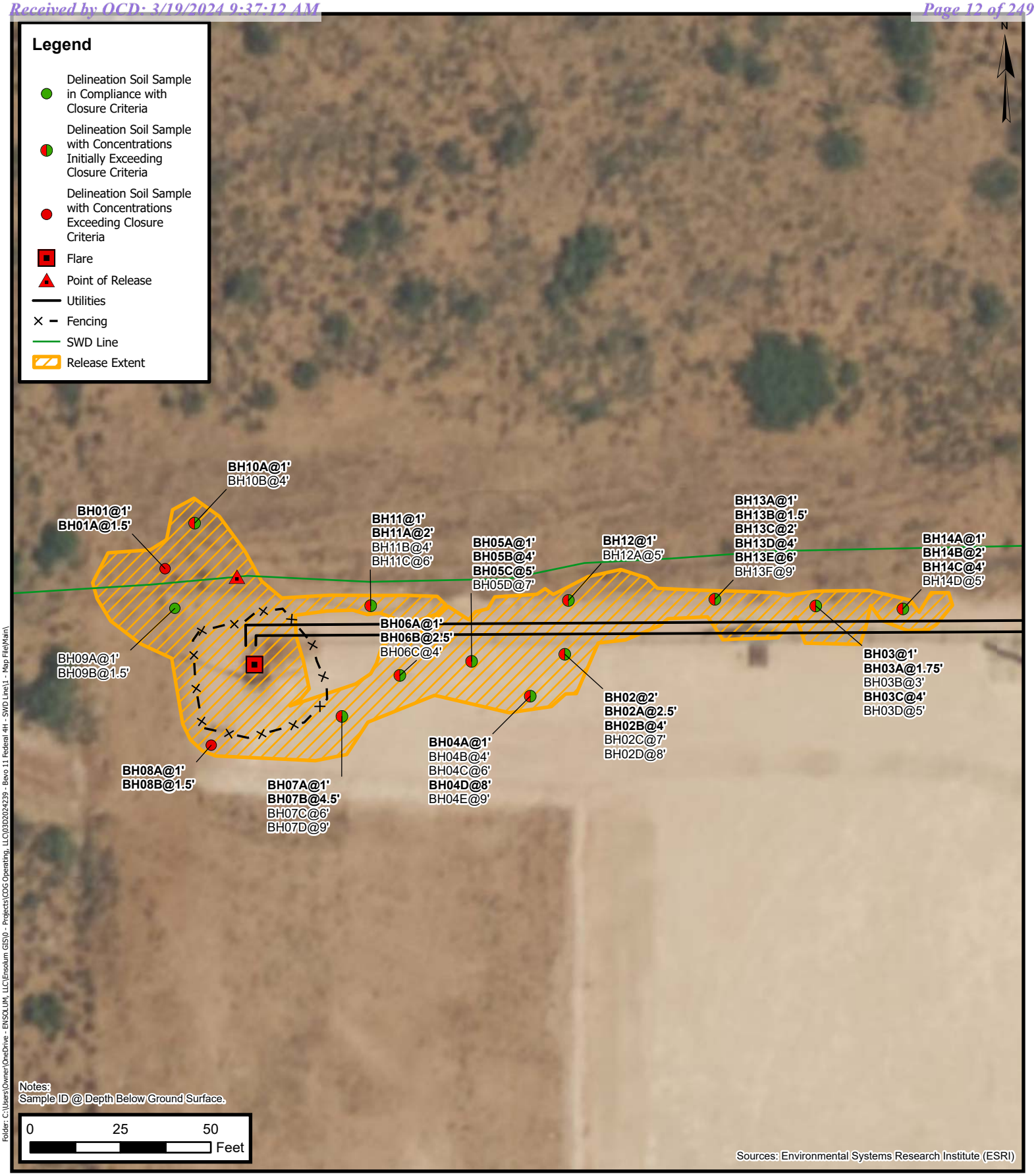
Environmental, Engineering and Hydrogeologic Consultants

Assessment Soil Sample Locations

COG Operating, LLC
Bevo 11 Federal 004H
Incident Number: NAPP2329631879
Unit M, Section 12, T22S, R33E
Lea County, New Mexico

FIGURE 2



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ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Delineation Soil Sample Locations

COG Operating, LLC
Bevo 11 Federal 004H
Incident Number: NAPP2329631879
Unit M, Section 12, T22S, R33E
Lea County, New Mexico

FIGURE 3

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TABLES

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TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Bevo 11 Federal 004H
COG Operating, LLC
Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
SUCA Closure Criteria			10	50	NE	NE	NE	NE	100	600
Assessment Soil Samples										
SS01*	10/24/2023	0.5	<0.00199	<0.00398	<50.4	<50.4	<50.4	<50.4	<50.4	46.4
SS02	10/24/2023	0.5	<0.00200	<0.00399	<49.7	<49.7	<49.7	<49.7	<49.7	34.4
SS03	10/24/2023	0.5	<0.00200	<0.00401	<49.8	<49.8	<49.8	<49.8	<49.8	39.2
SS04*	10/24/2023	0.5	<0.00198	<0.00396	<50.3	<50.3	<50.3	<50.3	<50.3	45.0
SS05*	10/24/2023	0.5	<0.00199	<0.00398	<50.5	194	<50.5	194	**194**	75.5
SS06*	10/24/2023	0.5	<0.00199	0.0171	<50.4	62.8	<50.4	62.8	62.8	72.0
SS06A*	11/27/2023	1	<0.00199	<0.00398	<49.9	205	<49.9	205	**205**	100
SS07	10/24/2023	0.5	3.64	**108**	1,980	7,580	<249	**9,560**	**9,560**	**9,180**
SS08	10/24/2023	0.5	6.41	**239**	5,040	21,500	<248	**26,540**	**26,500**	**8,950**
SS09	10/24/2023	0.5	3.42	**193**	3,350	11,200	<252	**14,550**	**14,600**	**8,180**
SS10	10/24/2023	0.5	<0.00198	0.00845	70.1	627	<50.4	697	**697**	**8,310**
Delineation Soil Samples										
BH01*	11/27/2023	1	<0.00200	<0.00399	<50.5	134	<50.5	134	**134**	8.16
BH01A*	11/27/2023	1.5	<0.00201	<0.00402	<49.8	133	<49.8	133	**133**	30.2
BH02	11/27/2023	2	0.693	**56.1**	1,020	5,310	<50.0	**6,330**	**6,330**	**3,460**
BH02A	11/27/2023	2.5	<0.00199	0.715	147	1,440	<49.6	**1,587**	**1,590**	**1,860**
BH02B	02/06/2024	4	<0.00199	<0.00398	<50.0	266	<50.0	**266**	**266**	**819**
BH02C	02/06/2024	7	<0.00198	<0.00396	<49.6	<49.6	<49.6	<49.6	<49.6	115
BH02D	02/06/2024	8	<0.00202	<0.00404	<50.1	<50.1	<50.1	<50.1	<50.1	93.4

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TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Bevo 11 Federal 004H
COG Operating, LLC
Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
SUCA Closure Criteria			10	50	NE	NE	NE	NE	100	600
BH03	11/27/2023	1	0.0610	11.7	402	2,190	<50.3	**2,592**	**2,590**	**2,620**
BH03A	11/27/2023	1.75	0.296	30.1	700	3,730	<50.5	**4,430**	**4,430**	**2,880**
BH03B	01/12/2024	3	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	461
BH03C	02/06/2024	4	<0.00201	0.511	100	785	<50.5	**885**	**885**	**735**
BH03D	02/06/2024	5	<0.00202	<0.00403	<50.3	<50.3	<50.3	<50.3	<50.3	16.9
BH04A	01/12/2024	1	<0.00200	<0.00399	<50.5	87.6	<50.5	87.6	87.6	**949**
BH04B	01/12/2024	4	<0.00200	<0.00401	<49.7	<49.7	<49.7	<49.7	<49.7	54.7
BH04C	01/12/2024	6	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	110
BH04D	02/06/2024	8	<0.00198	<0.00397	64.3	556	<50.3	620	**620**	251
BH04E	02/06/2024	9	<0.00200	<0.00399	<50.1	<50.1	<50.1	<50.1	<50.1	104
BH05A	01/12/2024	1	<0.199	6.51	2,160	6,670	1,280	**8,830**	**10,100**	**3,660**
BH05B	01/12/2024	4	<0.00200	<0.00401	<50.1	62.8	<50.1	62.8	62.8	**2,220**
BH05C	02/06/2024	5	<0.00199	0.327	153	1,740	105	**1,893**	**2,000**	**2,920**
BH05D	02/06/2024	7	<0.00198	<0.00396	<50.5	<50.5	<50.5	<50.5	<50.5	91.5
BH06A	01/12/2024	1	<0.199	2.89	1,310	3,540	631	**4,850**	**5,480**	**3,830**
BH06B	01/12/2024	2.5	<0.0497	0.158	<50.5	264	56.9	**264**	**321**	**5,320**
BH06C	02/06/2024	4	<0.00202	<0.00403	<49.7	<49.7	<49.7	<49.7	<49.7	80.3

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TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Bevo 11 Federal 004H
COG Operating, LLC
Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**1,000**	**2,500**	**20,000**
SUCA Closure Criteria			**10**	**50**	**NE**	**NE**	**NE**	**NE**	**100**	**600**
BH07A	01/12/2024	1	<0.201	6.30	1,340	2,880	477	**4,220**	**4,700**	**4,180**
BH07B	01/12/2024	4.5	<0.00200	<0.00401	<50.0	111	<50.0	**111**	**111**	165
BH07C	02/06/2024	6	<0.00200	0.0219	<50.0	51	<50.0	50.6	50.6	103
BH07D	02/06/2024	9	<0.00199	<0.00398	<49.9	51	<49.9	50.5	50.5	215
BH08A	01/12/2024	1	<0.0499	<0.0998	<49.6	142	<49.6	**142**	**142**	**6,030**
BH08B	01/12/2024	1.5	<0.00198	<0.00396	<50.1	481	99.1	**481**	**580**	**3,650**
BH09A*	01/12/2024	1	<0.00200	<0.00399	<50.5	73.3	<50.5	73.3	73.3	12.9
BH09B*	01/12/2024	1.5	<0.00199	<0.00398	<50.4	97.7	<50.4	97.7	97.7	128
BH10A*	01/12/2024	1	<0.00199	<0.00398	<50.2	343	81.3	**343**	**424**	43.1
BH10B	01/12/2024	4	<0.00200	<0.00399	<50.0	89.8	<50.0	89.8	89.8	198
BH11	01/12/2024	1	0.352	7.06	1,060	1,920	273	**2,980**	**3,250**	**4,500**
BH11A	02/06/2024	2	<0.00200	<0.00400	<49.6	125	<49.6	**125**	**125**	243
BH11B	02/06/2024	4	<0.00200	<0.00400	<50.1	52.0	<50.1	52.0	52.0	75.5
BH11C	02/06/2024	6	<0.00202	<0.00404	<50.4	<50.4	<50.4	<50.4	<50.4	230
BH12	01/12/2024	1	<0.200	1.32	503	1,220	183	**1,723**	**1,910**	**5,210**
BH12A	02/06/2024	5	<0.00201	<0.00402	<50.5	<50.5	<50.5	<50.5	<50.5	78.4

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TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Bevo 11 Federal 004H
COG Operating, LLC
Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**1,000**	**2,500**	**20,000**
SUCA Closure Criteria			**10**	**50**	**NE**	**NE**	**NE**	**NE**	**100**	**600**
BH13A	01/12/2024	1	<0.199	2.57	1,120	3,050	508	**4,170**	**4,680**	478
BH13B	01/12/2024	1.5	2.67	234	1,440	5,160	<248	**6,600**	**6,600**	1,770
BH13C	02/06/2024	2	<0.00202	<0.00403	<50.5	<50.5	<50.5	<50.3	<50.5	**2,750**
BH13D	02/06/2024	4	<0.00199	0.111	81.4	630	<50.3	**711**	**711**	98.0
BH13E	02/06/2024	6	<0.00198	0.161	120	1,290	83.3	**1,410**	**1,490**	156
BH13F	02/06/2024	9	<0.00201	<0.00402	<50.3	57.2	<50.3	57.2	57.2	105
BH14A	01/12/2024	1	<0.00199	0.00485	<49.8	437	<49.8	437	**437**	**3,770**
BH14B	01/12/2024	2	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	<49.7	**5,440**
BH14C	02/06/2024	4	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	<49.9	**618**
BH14D	02/06/2024	5	<0.00198	<0.00397	<50.1	<50.1	<50.1	<50.1	<50.1	99.3

Notes:

bgs: below ground surface
mg/kg: milligrams per kilogram
NMOCD: New Mexico Oil Conservation Division
NMAC: New Mexico Administrative Code
SUCA: Surface Use and Compensation Agreement
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 I Closure Criteria, SUCA Closure Criteria, or reclamation standard where applicable.*

** indicates sample was collected in area to be reclaimed after remediation is complete; reclamation standard in the top 4 feet is 600 mg/kg for chloride and 100 mg/kg for TPH.*

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APPENDIX A

NMSLO Cultural Resources Cover Sheet

Stephanie Garcia Richard, Commissioner of Public Lands
State of New Mexico

NMSLO Cultural Resources Cover Sheet Exhibit

NMCRIS Activity Number:
(if applicable)

Exhibit Type (select one)

ARMS Inspection/Review - Summarize the results (select one):

(A) The entire area of potential effect or project area has been previously surveyed to current standards and **no cultural properties** were found within the survey area.
(B) The entire area of potential effect or project area has been previously surveyed to current standards and **cultural properties were found** within the survey area.
(C) The entire area of potential effect or project area has **not** been previously surveyed or **has not been surveyed** to current standards. A complete archaeological survey will be conducted and submitted for review.

Archaeological Survey

Findings:

Negative - No further archaeological review is required.

Positive - Have avoidance and protection measures been devised? Select one:

Comments:

Project Details:

NMSLO Lease Number (if available):

Cultural Resources Consultant:

Project Proponent (Applicant):

Project Title/Description:

Project Location:

County(ies):

PLSS/Section/Township/Range):

For NMSLO Agency Use Only:

NMSLO Lease Number: Acknowledgment-Only:

Lease Analyst:

Date Exhibit Routed to Cultural Resources Office:

No person may alter the wording of the questions or layout of the cover sheet. The completion of this cover sheet by itself does not authorize anyone to engage in new surface disturbing activity before the review and approvals required by the Cultural Properties Protections Rule.

Form Revised 12 22

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APPENDIX B

Referenced Well Records

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: New Mexico | 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 New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 321843103315101

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 321843103315101 23S.33E.12.312423

Lea County, New Mexico
Latitude 32°19'06", Longitude 103°31'53" NAD83
Land-surface elevation 3,531.00 feet above NGVD29
The depth of the well is 400 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Santa Rosa Sandstone (231SNRS) 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 of measurement	? Water-level approval status
1965-11-03		D	62610		3184.75	NGVD29	P	Z			A
1965-11-03		D	62611		3186.41	NAVD88	P	Z			A
1965-11-03		D	72019	346.25			P	Z			A
1968-06-11		D	62610		3196.61	NGVD29	P	Z			A
1968-06-11		D	62611		3198.27	NAVD88	P	Z			A
1968-06-11		D	72019	334.39			P	Z			A
1971-01-13		D	62610		3204.30	NGVD29	1	Z			A
1971-01-13		D	62611		3205.96	NAVD88	1	Z			A
1971-01-13		D	72019	326.70			1	Z			A
1972-09-21		D	62610		3179.30	NGVD29	P	Z			A
1972-09-21		D	62611		3180.96	NAVD88	P	Z			A
1972-09-21		D	72019	351.70			P	Z			A
1976-12-08		D	62610		3185.78	NGVD29	P	Z			A
1976-12-08		D	62611		3187.44	NAVD88	P	Z			A
1976-12-08		D	72019	345.22			P	Z			A
1981-03-27		D	62610		3200.08	NGVD29	P	Z			A
1981-03-27		D	62611		3201.74	NAVD88	P	Z			A
1981-03-27		D	72019	330.92			P	Z			A
1986-04-16		D	62610		3205.18	NGVD29	1	Z			A
1986-04-16		D	62611		3206.84	NAVD88	1	Z			A
1986-04-16		D	72019	325.82			1	Z			A
1991-05-30		D	62610		3205.68	NGVD29	1	Z			A
1991-05-30		D	62611		3207.34	NAVD88	1	Z			A
1991-05-30		D	72019	325.32			1	Z			A
1996-03-13		D	62610		3206.05	NGVD29	1	S			A
1996-03-13		D	62611		3207.71	NAVD88	1	S			A
1996-03-13		D	72019	324.95			1	S			A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
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
Status	P	Pumping
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

Questions or Comments
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 New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2024-03-07 10:25:59 EST
0.29 0.25 nadww01

SF

Revised December 1975

IMPORTANT — READ INSTRUCTIONS ON BACK BEFORE FILLING OUT THIS FORM.

8227

Declaration of Owner of Underground Water Right

CAPITAN BASIN
BASIN NAME

Declaration No. CP-592 Date received April 17, 1979

'79 APR 20 PM 3 00

STATEMENT

1. Name of Declarant THE MERCHANT LIVESTOCK COMPANY
   Mailing Address P.O. Box 548 Carlsbad STATE ENGINEER OFFICE
   County of Eddy, State of New Mexico SANTA FE, N.M. 87501
2. Source of water supply shallow
   (artesian or shallow water aquifer)
3. Describe well location under one of the following subheadings:
   a. ____ ¼ SW ¼ NE ¼ of Sec. 13 Twp. 22S Rge. 33E N.M.P.M., in Lea County.
   b. Tract No. ____ of Map No. ____ of the ____.
   c. X = ____ feet, Y = ____ feet, N. M. Coordinate System ____ Zone in the ____ Grant.
   On land owned by ____.
4. Description of well: date drilled 1953 driller ____ depth 427' feet.
   outside diameter of casing 6 5/8 inches; original capacity ____ gal. per min.; present capacity 3 gal. per min.; pumping lift ____ feet; static water level 391 feet (above) (below) land surface;
   make and type of pump ____
   make, type, horsepower, etc., of power plant ____
   Fractitional or percentage interest claimed in well 100%
5. Quantity of water appropriated and beneficially used ~~XXXXXXXXXX~~ up to 3 (acre feet per annum)
   for stock water purposes.
6. Acreage actually irrigated ____ acres, located and described as follows (describe only lands actually irrigated):

Subdivision	Sec.	Twp.	Range	Acres Irrigated	Owner
			stock only		The Merchant Livestock Co.

(Note: location of well and acreage actually irrigated must be shown on plat on reverse side.)

'79 APR 17 AM 8 43
STATE ENGINEER OFFICE
ROSWELL, N. M.

7. Water was first applied to beneficial use ____ month ____ day 1953 year and since that time has been used fully and continuously on all of the above described lands or for the above described purposes except as follows: ____
8. Additional statements or explanations ____
   name of well - Rogers No. 1 (E)

I, J. D. Merchant, Jr., President being first duly sworn upon my oath, depose and say that the above is a full and complete statement prepared in accordance with the instructions on the reverse side of this form and submitted in evidence of ownership of a valid underground water right, that I have carefully read each and all items contained therein and that the same are true to the best of my knowledge and belief.

THE MERCHANT LIVESTOCK CO., declarant.
by: J. D. Merchant, Jr., President

Subscribed and sworn to before me this 12th day of April, A.D. 19 79

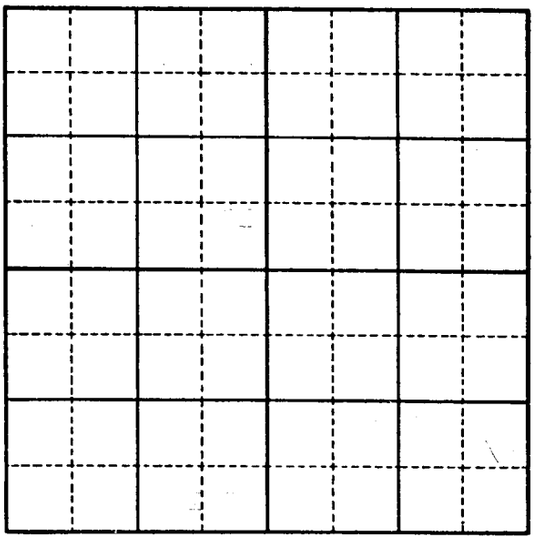
My commission expires March 2, 1980 Ruth P. Saunders Notary Public

FILED

UNDER NEW MEXICO LAW A DECLARATION IS ONLY A STATEMENT OF DECLARANT'S CLAIM. ACCEPTANCE FOR FILING DOES NOT CONSTITUTE APPROVAL OR REJECTION OF THE CLAIM.

Locate well and areas actually irrigated as accurately as possible on following plat:

Section (s) ....., Township ....., Range ..... N. M. P. M.



INSTRUCTIONS

Declaration shall be executed (preferably typewritten) in triplicate and must be accompanied by a **$1.00 filing fee.** Each of triplicate copies must be properly signed and attested.

A separate declaration must be filed for each well in use.

All blanks shall be filled out fully. Required information which cannot be sworn to by declarant shall be supplied by affidavit of person or persons familiar with the facts and shall be submitted herewith.

Secs. 1-3. Complete all blanks.

Sec. 4. Fill out all blanks applicable as fully as possible.

Sec. 5. Irrigation use shall be stated in acre feet of water per acre per year applied on the land. If used for domestic, municipal. or other purposes, state total quantity in acre feet used annually.

Sec. 6. Describe only the acreage actually irrigated. When necessary to clearly define irrigated acreages, describe to nearest 2½ acre subdivision. If located on unsurveyed lands. describe by legal supdivision "as projected" from the nearest government survey corners, or describe by metes and bounds and tie survey to some permanent, easily-located natural object.

Sec. 7. Explain and give dates as nearly as possible of any years when all or part of acreage claimed was not irrigated.

Sec. 8. If well irrigates or supplies supplemental water to any other land than that described above, or if land is also irrigated from any other source, explain under this section. Give any other data necessary to fully describe water right.

If additional space is necessary, use a separate sheet or sheets and attach securely hereto.

April 17, 1979

Files: CP-584; CP-585; CP-586; CP-587; CP-588;
CP-589; CP-590; CP-591; CP-592; CP-593;
CP-594; CP-595; CP-596; CP-597; CP-598;
CP-599; CP-600; CP-601; CP-602

The Merchant Livestock Company
P. O. Box 548
Carlsbad, NM 88220

Gentlemen:

Enclosed are your copies of Declarations of Owner of Underground Water Right as numbered above, which have been filed for record in the office of the State Engineer.

Please refer to each individual number in all future correspondence concerning these declarations.

The filing of these declarations does not indicate affirmation or rejection of the statements contained therein.

Yours very truly,

J. C. Groseclose
Basin Supervisor

JCG/fh
Encls.
cc: Santa Fe

ENSOLUM

APPENDIX C

Photographic Log

ENSOLUM

Photographic Log
COG Operating, LLC
Bevo 11 Federal 004H
Incident Number NAPP2329631879

Photograph: 1 Date: 10/24/2023
Description: Soil staining in release footprint
View: West

Photograph: 2 Date: 10/24/2023
Description: Soil staining in release footprint
View: East

Photograph: 3 Date: 11/27/2023
Description: Hang auger delineation activites at SS06
View: Southeast

Photograph: 4 Date: 2/6/2023
Description: Delineation activities via backhoe
View: East

ENSOLUM

APPENDIX D

Lithologic Soil Sampling Logs

ENSOLUM	Sample Name: BH01	Date: 11/27/2023
	Site Name: Bevo 11 Federal 004H	
	Incident Number: NAPP2329631879	
	Job Number: 03D2024239	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: PVP	Method: Hand Auger
Coordinates: 32.401353,-103.533161	Hole Diameter: 4"	Total Depth: 1.5'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included. ND - Non Detect; M-Moist; N-No

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		
M	ND	0.4	N	BH01	1	1	SW-SM	Sand: soft, fine grained, reddish brown, moist, silty, non-plastic, noncohesive, massive, trace caliche gravel
M	ND	0.3	N	BH01A	1.5	1.5	SW-SM	SAA (same as above) increasing caliche gravel

TD @ 1.5 feet bgs

ENSOLUM

	Sample Name: BH02	Date: 11/27/23 & 2/6/24
	Site Name: Bevo 11 Federal 004H	
	Incident Number: NAPP2329631879	
	Job Number: 03D2024239	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: PVP	Method: Auger/Backhoe
Coordinates: 32.401283,-103.532821	Hole Diameter: N/A	Total Depth: 8'

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. ND-Non Detect; M-Moist; Y-Yes; N-No

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
			Y			0		Surface: 2" of stained pad caliche
M	2,457	1,401	N			1	SW-SM	Sand: soft, fine grained, reddish brown, moist, silty, non-plastic, noncohesive, massive, some caliche gravel
M	3,493	2,247	N	BH02	2	2	SW-SM	SAA(same as above) increasing caliche gravel
M	1,630	543	N	BH02A	2.5		SW-SM	SAA increasing large caliche gravel Note: Auger TD (refusal) at 2.5 feet bgs
M	761	355	N			3	SW-SM	SAA
M	1,161	194	N	BH02B	4	4	SW-SM	SAA, less caliche gravel
M	ND	37.8	N			5	SW-SM	SAA
M	ND	41.1	N			6	SW-SM	SAA
M	ND	7.3	N	BH02C	7	7	SW-SM	SAA
M	ND	1.2	N	BH02D	8	8	SW-SM	SAA, no caliche gravel

TD @ 8 feet bgs

ENSOLUM

	Sample Name: BH03	Date: 11/27/23-2/6/24
	Site Name: Bevo 11 Federal 004H	
	Incident Number: NAPP2329631879	
	Job Number: 03D2024239	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: PVP	Method: Auger/Backhoe
Coordinates: 32.401327,-103.532539	Hole Diameter: N/A	Total Depth: 5'

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. ND-Non Detect; M-Moist; Y-Yes; N-No

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
			Y			0		Surface: 2" of stained pad caliche
M	3,385	955	N	BH03	1	1	SW-SM	Sand: soft, fine grained, reddish brown, moist, silty, non-plastic, noncohesive, massive, some caliche
M	1,350	511	N	BH03A	1.75	1.75 2	CHHE	Caliche: light tan, massive, hydrocarbon odor
M	453	48.6	N	BH03B	3	3	CHHE	SAA (same as above) Note: Auger TD (refusal, hard caliche) at 3 feet bgs
M	621	435.9	N	BH03C	4	4	CHHE	SAA
M	ND	2.7	N	BH03D	5	5	CHHE	SAA, no hydrocarbon odor

TD @ 5 feet bgs

ENSOLUM

	Sample Name: BH04	Date: 1/12/24 & 2/6/24
	Site Name: Bevo 11 Federal 004H	
	Incident Number: NAPP2329631879	
	Job Number: 03D2024239	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: PVP	Method: Mini Ex/Backhoe
Coordinates: 32.401276,-103.532800	Hole Diameter: N/A	Total Depth: 9'

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 factors included. ND - Non Detect; M-Moist; Y-Yes; N-No

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
			Y			0		Surface: 2" of stained pad caliche
M	982	77.2	N	BH04A	1	1	SW-SM	Sand: soft, fine grained, reddish brown, moist, silty, non-plastic, noncohesive, massive, trace caliche gravel, hydrocarbon odor
M	172	172.9	N			2	SW-SM	SAA (same as above) increasing caliche gravel
M	ND	43.0	N			3	SW-SM	SAA
M	ND	364.7	N	BH04B	4	4	CHHE	Caliche: light tan, massive, hydrocarbon odor
M	205	75.9	N			5	CHHE	SAA
M	ND	6.0	N	BH04C	6	6	CHHE	SAA, trace hydrocarbon odor NOTE: TD at 6.5', max reach of mini excavator
M	ND	41.4	N			7	CHHE	SAA
M	ND	12.4	N	BH04D	8	8	CHHE	SAA
M	ND	1.5	N	BH04E	9	9	CHHE	SAA, no hydrocarbon odor

TD @ 9 feet bgs

ENSOLUM

	Sample Name: BH05	Date: 1/12/24 & 2/6/24
	Site Name: Bevo 11 Federal 004H	
	Incident Number: NAPP2329631879	
	Job Number: 03D2024239	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: PVP	Method: Mini Ex/Backhoe
Coordinates: 32.401283,-103.532869	Hole Diameter: N/A	Total Depth: 7'

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 factors included. ND - Non Detect; M-Moist; Y-Yes; N-No

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
			Y			0		Surface: 2" of stained pad caliche
M	3,456	1,461	N	BH05A	1	1	SW-SM	Sand: soft, fine grained, reddish brown, moist, silty, non-plastic, noncohesive, massive, trace caliche gravel, hydrocarbon odor
M	2,214	716.0	N			2	SW-SM	SAA (same as above) increasing caliche gravel
M	1,792	685.0	N			3	SW-SM	SAA
M	2,214	126.2	N	BH05B	4	4	SW-SM	SAA
M	79.2	65.6	N	BH05C	5	5	SW-SM	SAA, some caliche Note: Mini Ex TD (refusal, hard caliche) at 5 feet bgs
M	ND	31.5	N			6	SW-SM	SAA
M	ND	2.0	N	BH05D	7	7	SW-SM	SAA

TD @ 7 feet bgs

ENSOLUM

	Sample Name: BH06	Date: 1/12/24 & 2/6/24
	Site Name: Bevo 11 Federal 004H	
	Incident Number: NAPP2329631879	
	Job Number: 03D2024239	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: PVP	Method: Mini Ex/Backhoe
Coordinates: 32.401274,-103.532945	Hole Diameter: N/A	Total Depth: 4'

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 factors included. ND - Non Detect; M-Moist; Y-Yes; N-No

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		Surface: 2" of stained pad caliche
M	3,326	1,076	N	BH06A	1	1	SW-SM	Sand: soft, fine grained, reddish brown, moist, silty, non-plastic, noncohesive, massive, trace caliche gravel, hydrocarbon odor
M	7,549	156.6	N			2	CHHE	Caliche: light tan, massive, hydrocarbon odor
M	7,549	38.5	N	BH06B	2.5		CHHE	SAA (same as above) Note: Mini Ex TD (refusal, hard caliche) at 2.5 feet bgs
M	ND	195.4	N			3	CHHE	SAA
M	ND	2.1	N	BH06C	4	4	CHHE	SAA

TD @ 4 feet bgs

ENSOLUM

	Sample Name: BH07	Date: 1/12/24 & 2/6/24
	Site Name: Bevo 11 Federal 004H	
	Incident Number: NAPP2329631879	
	Job Number: 03D2024239	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: PVP	Method: Mini Ex/Backhoe
Coordinates: 32.401244,-103.532998	Hole Diameter: N/A	Total Depth: 9'

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 factors included. ND - Non Detect; M-Moist; Y-Yes; N-No

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
			Y			0		Surface: 2" of stained pad caliche
M	3,493	2,075	N	BH07A	1	1	SW-SM	Sand: soft, fine grained, reddish brown, moist, silty, non-plastic, noncohesive, massive, trace caliche gravel, hydrocarbon odor
M	831	1,558	N			2	SW-SM	SAA (same as above), some caliche
M	32	585.3	N			3	CHHE	Caliche: light tan, massive, hydrocarbon odor
M	432	788.0	N			4	CHHE	SAA
M	194	72.7	N	BH07B	4.5		CHHE	SAA Note: Mini Ex TD (refusal, hard caliche) at 4.5 feet bgs
M	626	203.9	N			5	CHHE	SAA
M	ND	34.2	N	BH07C	6	6	CHHE	SAA
M	ND	43.5	N			7	CHHE	SAA
M	ND	74.2	N			8	CHHE	SAA
M	ND	23.5	N	BH07D	9	9	CHHE	SAA, no hydrocarbon odor

TD @ 9 feet bgs

ENSOLUM

	Sample Name: BH08	Date: 1/12/2024
	Site Name: Bevo 11 Federal 004H	
	Incident Number: NAPP2329631879	
	Job Number: 03D2024239	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: PVP	Method: Mini Excavator
Coordinates: 32.401223,-103.533115	Hole Diameter: 12"	Total Depth: 1.5'

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 factors included. ND - Non Detect; M-Moist; Y-Yes; N-No

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
			Y			0		Surface: 2" of stained pad caliche
M	7,549	115.7	N	BH08A	1	1	CHHE	Caliche: light tan, massive, hydorcarbon odor, some sand
M	3,947	70.1	N	BH08B	1.5	1.5	CHHE	SAA (same as above), no sand
						2		Note: Mini Ex TD (refusal, hard caliche) at 1.5 feet bgs
						3		

TD @ 1.5 feet bgs

ENSOLUM

	Sample Name: BH09	Date: 1/12/2024
	Site Name: Bevo 11 Federal 004H	
	Incident Number: NAPP2329631879	
	Job Number: 03D2024239	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: PVP	Method: Mini Excavator
Coordinates: 32.401328,-103.533146	Hole Diameter: 12"	Total Depth: 1.5'

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 factors included. ND - Non Detect; M-Moist; Y-Yes; N-No

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		
M	ND	0.3	N	BH09A	1	1	SW-SM	Sand: soft, fine grained, reddish brown, moist, silty, non-plastic, noncohesive, massive, trace caliche gravel
M	ND	0.4	N	BH09B	1.5	1.5	SW-SM	

TD @ 1.5 ft bgs

ENSOLUM

	Sample Name: BH10	Date: 1/12/2024
	Site Name: Bevo 11 Federal 004H	
	Incident Number: NAPP2329631879	
	Job Number: 03D2024239	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: PVP	Method: Mini Excavator
Coordinates: 32.401370, -103.533140	Hole Diameter: 12"	Total Depth: 4'

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 factors included. ND - Non Detect; M-Moist; Y-Yes; N-No

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		
M	ND	0.0	N	BH10A	1	1	SW-SM	Sand: soft, fine grained, reddish brown, moist, silty, non-plastic, noncohesive, massive, trace caliche gravel
M	ND	0.0	N			2	SW-SM	SAA (same as above)
M	ND	0.0	N			3	CHHE	Caliche: light tan, massive
M	172	0.0	N	BH10B	4	4	CHHE	SAA

TD @ 4 feet bgs

ENSOLUM

	Sample Name: BH11	Date: 1/12/24 & 2/6/24
	Site Name: Bevo 11 Federal 004H	
	Incident Number: NAPP2329631879	
	Job Number: 03D2024239	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: PVP	Method: Mini Ex/Backhoe
Coordinates: 32.401327,-103.532971	Hole Diameter: N/A	Total Depth: 6'

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 factors included. ND - Non Detect; M-Moist; Y-Yes; N-No

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
			Y			0		Surface: 2" of stained pad caliche
M	5,481	2,348	N	BH11	1	1	CHHE	Caliche: light tan, massive, hydrocarbon odor Note: Mini Ex TD (refusal, hard caliche) at 1 foot bgs
M	399	49.8	N	BH11A	2	2	CHHE	SAA (Same as above)
M	ND	65.7	N			3	CHHE	SAA
M	ND	8.6	N	BH11B	4	4	CHHE	SAA, no hydrocarbon odor
M	307	33.0	N			5	CHHE	SAA
M	ND	6.9	N	BH11C	6	6	CHHE	SAA

TD @ 6 feet bgs

ENSOLUM

	Sample Name: BH12	Date: 1/12/24 & 2/6/24
	Site Name: Bevo 11 Federal 004H	
	Incident Number: NAPP2329631879	
	Job Number: 03D2024239	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: PVP	Method: Mini Ex/Backhoe
Coordinates: 32.401330,-103.532760	Hole Diameter: N/A	Total Depth: 5'

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 factors included. ND - Non Detect; M-Moist; Y-Yes; N-No

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
			Y			0		Surface: 2" of stained pad caliche
M	4,660	1,348	N	BH12	1	1	CHHE	Caliche: light tan, massive, hydrocarbon odor Note: Mini Ex TD (refusal, hard caliche) at 1 foot bgs
M	2,651	244.5	N			2	CHHE	SAA (Same as above)
M	1,679	203.2	N			3	CHHE	SAA
M	626	22.6	N			4	CHHE	SAA, light hydrocarbon odor
M	ND	0.1	N	BH12A	5	5	CHHE	SAA, no hydrocarbon odor

TD @ 5 feet bgs

ENSOLUM

	Sample Name: BH13	Date: 1/12/24 & 2/6/24
	Site Name: Bevo 11 Federal 004H	
	Incident Number: NAPP2329631879	
	Job Number: 03D2024239	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: PVP	Method: Mini Ex/Backhoe
Coordinates: 32.401324,-103.532605	Hole Diameter: N/A	Total Depth: 9'

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 factors included. ND - Non Detect; M-Moist; Y-Yes; N-No

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
			Y			0		Surface: 2" of stained pad caliche
M	2,214	1,556	N	BH13A	1	1	CHHE	Caliche: light tan, massive, hydrocarbon odor, some sand
M	399	597.0	N	BH13B	1.5		CHHE	SAA (same as above) Note: Mini Ex TD (refusal, hard caliche) at 1.5 feet bgs
M	2,651	32.0	N	BH13C	2	2	CHHE	
M	1,155	81.1	N			3	CHHE	SAA
M	1,069	184.1	N	BH13D	4	4	CHHE	SAA
M	685	223.6	N			5	CHHE	SAA
M	907	224.6	N	BH13E	6	6	CHHE	SAA
M	307	71.4	N			7	CHHE	SAA, light hydrocarbon odor
M	561	175.9	N			8	CHHE	SAA
M	ND	14.8	N	BH13F	9	9	CHHE	SAA, no hydrocarbon odor

TD @ 9 feet bgs

ENSOLUM

	Sample Name: BH14	Date: 1/12/24 & 2/6/24
	Site Name: Bevo 11 Federal 004H	
	Incident Number: NAPP2329631879	
	Job Number: 03D2024239	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: PVP	Method: Mini Ex/Backhoe
Coordinates: 32.401319,-103.532493	Hole Diameter: N/A	Total Depth: 5'

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 factors included. ND - Non Detect; M-Moist; N-No; Y-Yes

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
			Y			0		Surface: 2" of stained pad caliche
M	5,054	12.3	N	BH14A	1	1	CHHE	Caliche: light tan, some sand, hydrocarbon odor
M	5,940	7.7	N	BH14B	2	2	CHHE	Caliche: light tan, massive, hydrocarbon odor Note: Mini ex refusal @ 2 feet bgs due to hard caliche layer begin delineation with backhoe
M	1,663	0.4	N			3	CCHE	Caliche: light tan to brown, light hydrocarbon odor
M	685	0.1	N	BH14C	4	4	SM	Sand: light tan, no hydrocarbon odor, silty, abundant gravel
M	ND	0.0	N	BH14D	5	5	SM	Sand: light tan, no hydrocarbon odor, silty abundant gravel

TD @ 5 feet bgs

ENSOLUM

APPENDIX E

Laboratory Analytical Reports & Chain of Custody Documentation

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Hadlie Green
Ensolum
601 N. Marienfeld St.
Suite 400
Midland, Texas 79701

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JOB DESCRIPTION

BEVO 11 FED 4H
SDG NUMBER 03D2024239

JOB NUMBER

890-5523-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

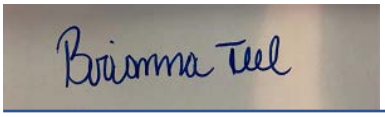
Eurofins Carlsbad

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Authorization



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Revision 1

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Client: Ensolum
Project/Site: BEVO 11 FED 4H

Laboratory Job ID: 890-5523-1
SDG: 03D2024239

Table of Contents

Definitions/Glossary

Client: Ensolum
Project/Site: BEVO 11 FED 4H

Job ID: 890-5523-1
SDG: 03D2024239

Qualifiers

GC VOA

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

GC Semi VOA

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
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

Client: Ensolum
Project/Site: BEVO 11 FED 4H

Job ID: 890-5523-1
SDG: 03D2024239

Job ID: 890-5523-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-5523-1

REVISION

The report being provided is a revision of the original report sent on 10/31/2023. The report (revision 1) is being revised due to Per client email, requesting TPH re run.

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

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

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

Receipt
The samples were received on 10/24/2023 4:08 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 0.6°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: SS01 (890-5523-1), SS02 (890-5523-2), SS03 (890-5523-3), SS04 (890-5523-4), SS05 (890-5523-5), SS06 (890-5523-6), SS07 (890-5523-7), SS08 (890-5523-8), SS09 (890-5523-9) and SS10 (890-5523-10).

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: SS02 (890-5523-2), SS07 (890-5523-7), SS08 (890-5523-8) and SS09 (890-5523-9). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: SS07 (890-5523-7) and (880-35012-A-1-F). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-65815 and analytical batch 880-65758 was outside the upper control limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-65815 and analytical batch 880-65758 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

GC Semi VOA
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-65653 and analytical batch 880-65586 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-65586/31) and (CCV 880-65586/5). Evidence of matrix interferences is not obvious.

Case Narrative

Client: Ensolum
Project/Site: BEVO 11 FED 4H

Job ID: 890-5523-1
SDG: 03D2024239

Job ID: 890-5523-1 (Continued)

Laboratory: Eurofins Carlsbad (Continued)

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SS01 (890-5523-1), SS02 (890-5523-2), SS03 (890-5523-3), SS04 (890-5523-4), SS05 (890-5523-5), SS06 (890-5523-6), SS07 (890-5523-7), SS08 (890-5523-8), SS09 (890-5523-9), SS10 (890-5523-10), (890-5523-A-1-F MS) and (890-5523-A-1-G MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-65965 and analytical batch 880-65945 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (880-35073-A-25-C), (880-35073-A-25-D MS) and (880-35073-A-25-E MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-65945/20) and (CCV 880-65945/5). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

Client Sample Results

Client: Ensolum
Project/Site: BEVO 11 FED 4H

Job ID: 890-5523-1
SDG: 03D2024239

Client Sample ID: SS01

Date Collected: 10/24/23 10:55
Date Received: 10/24/23 16:08
Sample Depth: 0.5

Lab Sample ID: 890-5523-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/26/23 11:52	10/28/23 10:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/26/23 11:52	10/28/23 10:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/26/23 11:52	10/28/23 10:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/26/23 11:52	10/28/23 10:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/26/23 11:52	10/28/23 10:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/26/23 11:52	10/28/23 10:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*	*10/26/23 11:52*	*10/28/23 10:33*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*10/26/23 11:52*	*10/28/23 10:33*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/28/23 10:33	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			11/01/23 14:29	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		11/01/23 10:31	11/01/23 14:29	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		11/01/23 10:31	11/01/23 14:29	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		11/01/23 10:31	11/01/23 14:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*11/01/23 10:31*	*11/01/23 14:29*	*1*
o-Terphenyl	*108*		*70 - 130*	*11/01/23 10:31*	*11/01/23 14:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**46.4**		5.02		mg/Kg			10/27/23 13:16	1

Client Sample ID: SS02

Date Collected: 10/24/23 11:00
Date Received: 10/24/23 16:08
Sample Depth: 0.5

Lab Sample ID: 890-5523-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/26/23 11:52	10/28/23 10:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/26/23 11:52	10/28/23 10:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/26/23 11:52	10/28/23 10:53	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/26/23 11:52	10/28/23 10:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/26/23 11:52	10/28/23 10:53	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/26/23 11:52	10/28/23 10:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*10/26/23 11:52*	*10/28/23 10:53*	*1*

Client Sample Results

Client: Ensolum
Project/Site: BEVO 11 FED 4H

Job ID: 890-5523-1
SDG: 03D2024239

Client Sample ID: SS02

Date Collected: 10/24/23 11:00
Date Received: 10/24/23 16:08
Sample Depth: 0.5

Lab Sample ID: 890-5523-2
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*64*	*S1-*	*70 - 130*	*10/26/23 11:52*	*10/28/23 10:53*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			10/28/23 10:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	mg/Kg			10/26/23 15:43	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	mg/Kg		10/26/23 13:31	10/26/23 15:43	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		10/26/23 13:31	10/26/23 15:43	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		10/26/23 13:31	10/26/23 15:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*142*	*S1+*	*70 - 130*	*10/26/23 13:31*	*10/26/23 15:43*	*1*
o-Terphenyl	*121*		*70 - 130*	*10/26/23 13:31*	*10/26/23 15:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**34.4**		5.03	mg/Kg			10/27/23 13:21	1

Client Sample ID: SS03

Date Collected: 10/24/23 11:05
Date Received: 10/24/23 16:08
Sample Depth: 0.5

Lab Sample ID: 890-5523-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		10/26/23 11:52	10/28/23 11:14	1
Toluene	<0.00200	U	0.00200	mg/Kg		10/26/23 11:52	10/28/23 11:14	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		10/26/23 11:52	10/28/23 11:14	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		10/26/23 11:52	10/28/23 11:14	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		10/26/23 11:52	10/28/23 11:14	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		10/26/23 11:52	10/28/23 11:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*10/26/23 11:52*	*10/28/23 11:14*	*1*
1,4-Difluorobenzene (Surr)	*70*		*70 - 130*	*10/26/23 11:52*	*10/28/23 11:14*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			10/28/23 11:14	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			10/26/23 16:05	1

Client Sample Results

Client: Ensolum
Project/Site: BEVO 11 FED 4H

Job ID: 890-5523-1
SDG: 03D2024239

Client Sample ID: SS03

Date Collected: 10/24/23 11:05
Date Received: 10/24/23 16:08
Sample Depth: 0.5

Lab Sample ID: 890-5523-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/26/23 13:31	10/26/23 16:05	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/26/23 13:31	10/26/23 16:05	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/26/23 13:31	10/26/23 16:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*146*	*S1+*	*70 - 130*	*10/26/23 13:31*	*10/26/23 16:05*	*1*
o-Terphenyl	*127*		*70 - 130*	*10/26/23 13:31*	*10/26/23 16:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**39.2**		5.01		mg/Kg			10/27/23 13:26	1

Client Sample ID: SS04

Date Collected: 10/24/23 11:10
Date Received: 10/24/23 16:08
Sample Depth: 0.5

Lab Sample ID: 890-5523-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/26/23 11:52	10/28/23 11:34	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/26/23 11:52	10/28/23 11:34	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/26/23 11:52	10/28/23 11:34	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/26/23 11:52	10/28/23 11:34	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/26/23 11:52	10/28/23 11:34	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/26/23 11:52	10/28/23 11:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*10/26/23 11:52*	*10/28/23 11:34*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*10/26/23 11:52*	*10/28/23 11:34*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/28/23 11:34	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			10/26/23 16:27	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		10/26/23 13:31	10/26/23 16:27	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		10/26/23 13:31	10/26/23 16:27	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		10/26/23 13:31	10/26/23 16:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*153*	*S1+*	*70 - 130*	*10/26/23 13:31*	*10/26/23 16:27*	*1*
o-Terphenyl	*137*	*S1+*	*70 - 130*	*10/26/23 13:31*	*10/26/23 16:27*	*1*

Client Sample Results

Client: Ensolum
Project/Site: BEVO 11 FED 4H

Job ID: 890-5523-1
SDG: 03D2024239

Client Sample ID: SS04
Date Collected: 10/24/23 11:10
Date Received: 10/24/23 16:08
Sample Depth: 0.5

Lab Sample ID: 890-5523-4
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**45.0**		4.96		mg/Kg			10/27/23 13:31	1

Client Sample ID: SS05
Date Collected: 10/24/23 11:15
Date Received: 10/24/23 16:08
Sample Depth: 0.5

Lab Sample ID: 890-5523-5
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/26/23 11:52	10/28/23 11:55	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/26/23 11:52	10/28/23 11:55	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/26/23 11:52	10/28/23 11:55	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/26/23 11:52	10/28/23 11:55	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/26/23 11:52	10/28/23 11:55	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/26/23 11:52	10/28/23 11:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*10/26/23 11:52*	*10/28/23 11:55*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*10/26/23 11:52*	*10/28/23 11:55*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/28/23 11:55	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**194**		50.5		mg/Kg			10/26/23 16:49	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		10/26/23 13:31	10/26/23 16:49	1
Diesel Range Organics (Over C10-C28)	**194**		50.5		mg/Kg		10/26/23 13:31	10/26/23 16:49	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		10/26/23 13:31	10/26/23 16:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*146*	*S1+*	*70 - 130*	*10/26/23 13:31*	*10/26/23 16:49*	*1*
o-Terphenyl	*126*		*70 - 130*	*10/26/23 13:31*	*10/26/23 16:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**75.5**		4.98		mg/Kg			10/27/23 13:36	1

Client Sample Results

Client: Ensolum
Project/Site: BEVO 11 FED 4H

Job ID: 890-5523-1
SDG: 03D2024239

Client Sample ID: SS06

Date Collected: 10/24/23 11:20
Date Received: 10/24/23 16:08
Sample Depth: 0.5

Lab Sample ID: 890-5523-6
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/26/23 11:52	10/28/23 12:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/26/23 11:52	10/28/23 12:16	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/26/23 11:52	10/28/23 12:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/26/23 11:52	10/28/23 12:16	1
o-Xylene	**0.0171**		0.00199		mg/Kg		10/26/23 11:52	10/28/23 12:16	1
Xylenes, Total	**0.0171**		0.00398		mg/Kg		10/26/23 11:52	10/28/23 12:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*10/26/23 11:52*	*10/28/23 12:16*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*10/26/23 11:52*	*10/28/23 12:16*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0171**		0.00398		mg/Kg			10/28/23 12:16	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**62.8**		50.4		mg/Kg			10/26/23 17:11	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		10/26/23 13:31	10/26/23 17:11	1
Diesel Range Organics (Over C10-C28)	**62.8**		50.4		mg/Kg		10/26/23 13:31	10/26/23 17:11	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		10/26/23 13:31	10/26/23 17:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*140*	*S1+*	*70 - 130*	*10/26/23 13:31*	*10/26/23 17:11*	*1*
o-Terphenyl	*119*		*70 - 130*	*10/26/23 13:31*	*10/26/23 17:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**72.0**		4.99		mg/Kg			10/27/23 13:52	1

Client Sample ID: SS07

Date Collected: 10/24/23 11:25
Date Received: 10/24/23 16:08
Sample Depth: 0.5

Lab Sample ID: 890-5523-7
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**3.64**		0.0998		mg/Kg		10/26/23 11:52	10/28/23 12:57	50
Toluene	**40.3**		0.398		mg/Kg		10/30/23 13:21	10/31/23 02:13	200
Ethylbenzene	**18.1**		0.0998		mg/Kg		10/26/23 11:52	10/28/23 12:57	50
m-Xylene & p-Xylene	**33.3**		0.200		mg/Kg		10/26/23 11:52	10/28/23 12:57	50
o-Xylene	**12.5**		0.0998		mg/Kg		10/26/23 11:52	10/28/23 12:57	50
Xylenes, Total	**45.8**		0.200		mg/Kg		10/26/23 11:52	10/28/23 12:57	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*319*	*S1+*	*70 - 130*	*10/26/23 11:52*	*10/28/23 12:57*	*50*

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Client Sample Results

Client: Ensolum
Project/Site: BEVO 11 FED 4H

Job ID: 890-5523-1
SDG: 03D2024239

Client Sample ID: SS07

Date Collected: 10/24/23 11:25
Date Received: 10/24/23 16:08
Sample Depth: 0.5

Lab Sample ID: 890-5523-7

Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*10/26/23 11:52*	*10/28/23 12:57*	*50*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**108**		0.200	mg/Kg			10/31/23 02:13	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**9560**		249	mg/Kg			10/26/23 21:36	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**1980**		249	mg/Kg		10/26/23 13:31	10/26/23 21:36	5
Diesel Range Organics (Over C10-C28)	**7580**		249	mg/Kg		10/26/23 13:31	10/26/23 21:36	5
Oil Range Organics (Over C28-C36)	<249	U	249	mg/Kg		10/26/23 13:31	10/26/23 21:36	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*198*	*S1+*	*70 - 130*	*10/26/23 13:31*	*10/26/23 21:36*	*5*
o-Terphenyl	*174*	*S1+*	*70 - 130*	*10/26/23 13:31*	*10/26/23 21:36*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9180**		50.0	mg/Kg			10/27/23 13:57	10

Client Sample ID: SS08

Date Collected: 10/24/23 11:30
Date Received: 10/24/23 16:08
Sample Depth: 0.5

Lab Sample ID: 890-5523-8

Matrix: Solid

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**6.41**		0.101	mg/Kg		10/26/23 11:52	10/28/23 13:18	50
Toluene	**76.2**		1.01	mg/Kg		10/30/23 13:21	10/31/23 02:34	500
Ethylbenzene	**33.3**		1.01	mg/Kg		10/30/23 13:21	10/31/23 02:34	500
m-Xylene & p-Xylene	**94.5**		2.01	mg/Kg		10/30/23 13:21	10/31/23 02:34	500
o-Xylene	**28.9**		1.01	mg/Kg		10/30/23 13:21	10/31/23 02:34	500
Xylenes, Total	**123**		2.01	mg/Kg		10/30/23 13:21	10/31/23 02:34	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*242*	*S1+*	*70 - 130*	*10/26/23 11:52*	*10/28/23 13:18*	*50*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*10/26/23 11:52*	*10/28/23 13:18*	*50*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**239**		2.01	mg/Kg			10/31/23 02:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**26500**		248	mg/Kg			10/26/23 20:51	1

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Client Sample Results

Client: Ensolum
Project/Site: BEVO 11 FED 4H

Job ID: 890-5523-1
SDG: 03D2024239

Client Sample ID: SS08
Date Collected: 10/24/23 11:30
Date Received: 10/24/23 16:08
Sample Depth: 0.5

Lab Sample ID: 890-5523-8
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	5040		248		mg/Kg		10/26/23 13:31	10/26/23 20:51	5
Diesel Range Organics (Over C10-C28)	21500		248		mg/Kg		10/26/23 13:31	10/26/23 20:51	5
Oil Range Organics (Over C28-C36)	<248	U	248		mg/Kg		10/26/23 13:31	10/26/23 20:51	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*269*	*S1+*	*70 - 130*	*10/26/23 13:31*	*10/26/23 20:51*	*5*
o-Terphenyl	*252*	*S1+*	*70 - 130*	*10/26/23 13:31*	*10/26/23 20:51*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8950		49.7		mg/Kg			10/27/23 14:13	10

Client Sample ID: SS09
Date Collected: 10/24/23 11:35
Date Received: 10/24/23 16:08
Sample Depth: 0.5

Lab Sample ID: 890-5523-9
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	3.42		0.100		mg/Kg		10/26/23 11:52	10/28/23 13:38	50
Toluene	61.7		1.00		mg/Kg		10/30/23 13:21	10/31/23 02:54	500
Ethylbenzene	27.2		1.00		mg/Kg		10/30/23 13:21	10/31/23 02:54	500
m-Xylene & p-Xylene	84.9		2.00		mg/Kg		10/30/23 13:21	10/31/23 02:54	500
o-Xylene	16.0		0.100		mg/Kg		10/26/23 11:52	10/28/23 13:38	50
Xylenes, Total	111		2.00		mg/Kg		10/30/23 13:21	10/31/23 02:54	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*365*	*S1+*	*70 - 130*	*10/26/23 11:52*	*10/28/23 13:38*	*50*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*10/26/23 11:52*	*10/28/23 13:38*	*50*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	193		2.00		mg/Kg			10/31/23 02:54	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	14600		252		mg/Kg			10/26/23 21:14	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	3350		252		mg/Kg		10/26/23 13:31	10/26/23 21:14	5
Diesel Range Organics (Over C10-C28)	11200		252		mg/Kg		10/26/23 13:31	10/26/23 21:14	5
Oil Range Organics (Over C28-C36)	<252	U	252		mg/Kg		10/26/23 13:31	10/26/23 21:14	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*222*	*S1+*	*70 - 130*	*10/26/23 13:31*	*10/26/23 21:14*	*5*
o-Terphenyl	*173*	*S1+*	*70 - 130*	*10/26/23 13:31*	*10/26/23 21:14*	*5*

Client Sample Results

Client: Ensolum
Project/Site: BEVO 11 FED 4H

Job ID: 890-5523-1
SDG: 03D2024239

Client Sample ID: SS09

Lab Sample ID: 890-5523-9
Matrix: Solid
Date Collected: 10/24/23 11:35
Date Received: 10/24/23 16:08
Sample Depth: 0.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8180**		49.9		mg/Kg			10/27/23 14:18	10

Client Sample ID: SS10

Lab Sample ID: 890-5523-10
Matrix: Solid
Date Collected: 10/24/23 11:40
Date Received: 10/24/23 16:08
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/26/23 11:52	10/28/23 12:36	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/26/23 11:52	10/28/23 12:36	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/26/23 11:52	10/28/23 12:36	1
m-Xylene & p-Xylene	**0.00412**		0.00396		mg/Kg		10/26/23 11:52	10/28/23 12:36	1
o-Xylene	**0.00433**		0.00198		mg/Kg		10/26/23 11:52	10/28/23 12:36	1
Xylenes, Total	**0.00845**		0.00396		mg/Kg		10/26/23 11:52	10/28/23 12:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*10/26/23 11:52*	*10/28/23 12:36*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*10/26/23 11:52*	*10/28/23 12:36*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00845**		0.00396		mg/Kg			10/28/23 12:36	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**697**		50.4		mg/Kg			10/26/23 22:20	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**70.1**		50.4		mg/Kg		10/26/23 13:31	10/26/23 22:20	1
Diesel Range Organics (Over C10-C28)	**627**		50.4		mg/Kg		10/26/23 13:31	10/26/23 22:20	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		10/26/23 13:31	10/26/23 22:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*162*	*S1+*	*70 - 130*	*10/26/23 13:31*	*10/26/23 22:20*	*1*
o-Terphenyl	*151*	*S1+*	*70 - 130*	*10/26/23 13:31*	*10/26/23 22:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8310**		49.7		mg/Kg			10/27/23 14:23	10

Surrogate Summary

Client: Ensolum
Project/Site: BEVO 11 FED 4H

Job ID: 890-5523-1
SDG: 03D2024239

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-35012-A-1-D MS	Matrix Spike	93	99
880-35012-A-1-E MSD	Matrix Spike Duplicate	95	103
890-5523-1	SS01	82	98
890-5523-1 MS	SS01	110	116
890-5523-1 MSD	SS01	118	117
890-5523-2	SS02	93	64 S1-
890-5523-3	SS03	96	70
890-5523-4	SS04	90	89
890-5523-5	SS05	86	101
890-5523-6	SS06	85	80
890-5523-7	SS07	319 S1+	98
890-5523-8	SS08	242 S1+	101
890-5523-9	SS09	365 S1+	98
890-5523-10	SS10	119	115
LCS 880-65644/1-A	Lab Control Sample	115	99
LCS 880-65815/1-A	Lab Control Sample	98	98
LCSD 880-65644/2-A	Lab Control Sample Dup	114	119
LCSD 880-65815/2-A	Lab Control Sample Dup	100	104
MB 880-65644/5-A	Method Blank	71	99
MB 880-65698/5-A	Method Blank	71	93
MB 880-65762/5-A	Method Blank	108	123
MB 880-65815/5-A	Method Blank	128	182 S1+

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-35073-A-25-D MS	Matrix Spike	134 S1+	116
880-35073-A-25-E MSD	Matrix Spike Duplicate	138 S1+	118
890-5523-1	SS01	120	108
890-5523-2	SS02	142 S1+	121
890-5523-3	SS03	146 S1+	127
890-5523-4	SS04	153 S1+	137 S1+
890-5523-5	SS05	146 S1+	126
890-5523-6	SS06	140 S1+	119
890-5523-7	SS07	198 S1+	174 S1+
890-5523-8	SS08	269 S1+	252 S1+
890-5523-9	SS09	222 S1+	173 S1+
890-5523-10	SS10	162 S1+	151 S1+
890-5523-A-1-F MS	890-5523-A-1-F MS	138 S1+	112
890-5523-A-1-G MSD	890-5523-A-1-G MSD	142 S1+	113
LCS 880-65653/2-A	Lab Control Sample	98	107
LCS 880-65965/2-A	Lab Control Sample	103	116
LCSD 880-65653/3-A	Lab Control Sample Dup	107	104

Surrogate Summary

Client: Ensolum
Project/Site: BEVO 11 FED 4H

Job ID: 890-5523-1
SDG: 03D2024239

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)									
		1CO1	OTPH1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
LCSD 880-65965/3-A	Lab Control Sample Dup	103	109								
MB 880-65653/1-A	Method Blank	201 S1+	184 S1+								
MB 880-65965/1-A	Method Blank	225 S1+	224 S1+								

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum
Project/Site: BEVO 11 FED 4H

Job ID: 890-5523-1
SDG: 03D2024239

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-65644/5-A
Matrix: Solid
Analysis Batch: 65680

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 65644

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/26/23 11:52	10/28/23 10:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/26/23 11:52	10/28/23 10:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/26/23 11:52	10/28/23 10:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/26/23 11:52	10/28/23 10:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/26/23 11:52	10/28/23 10:11	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/26/23 11:52	10/28/23 10:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*71*		*70 - 130*	*10/26/23 11:52*	*10/28/23 10:11*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*10/26/23 11:52*	*10/28/23 10:11*	*1*

Lab Sample ID: LCS 880-65644/1-A
Matrix: Solid
Analysis Batch: 65680

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 65644

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1074		mg/Kg		107	70 - 130		
Toluene			0.100	0.1010		mg/Kg		101	70 - 130		
Ethylbenzene			0.100	0.09836		mg/Kg		98	70 - 130		
m-Xylene & p-Xylene			0.200	0.2130		mg/Kg		107	70 - 130		
o-Xylene			0.100	0.1040		mg/Kg		104	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: LCSD 880-65644/2-A
Matrix: Solid
Analysis Batch: 65680

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 65644

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1023		mg/Kg		102	70 - 130	5	35
Toluene			0.100	0.09513		mg/Kg		95	70 - 130	6	35
Ethylbenzene			0.100	0.09508		mg/Kg		95	70 - 130	3	35
m-Xylene & p-Xylene			0.200	0.2021		mg/Kg		101	70 - 130	5	35
o-Xylene			0.100	0.09812		mg/Kg		98	70 - 130	6	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*
1,4-Difluorobenzene (Surr)	*119*		*70 - 130*

Lab Sample ID: 890-5523-1 MS
Matrix: Solid
Analysis Batch: 65680

Client Sample ID: SS01
Prep Type: Total/NA
Prep Batch: 65644

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U	0.100	0.07979		mg/Kg		80	70 - 130		
Toluene	<0.00199	U	0.100	0.07616		mg/Kg		76	70 - 130		

QC Sample Results

Client: Ensolum
Project/Site: BEVO 11 FED 4H

Job ID: 890-5523-1
SDG: 03D2024239

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

Lab Sample ID: 890-5523-1 MS
Matrix: Solid
Analysis Batch: 65680

Client Sample ID: SS01
Prep Type: Total/NA
Prep Batch: 65644

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U	0.100	0.08164		mg/Kg		82	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1693		mg/Kg		85	70 - 130
o-Xylene	<0.00199	U	0.100	0.08339		mg/Kg		83	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*

Lab Sample ID: 890-5523-1 MSD
Matrix: Solid
Analysis Batch: 65680

Client Sample ID: SS01
Prep Type: Total/NA
Prep Batch: 65644

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0996	0.08810		mg/Kg		88	70 - 130	10	35
Toluene	<0.00199	U	0.0996	0.08652		mg/Kg		87	70 - 130	13	35
Ethylbenzene	<0.00199	U	0.0996	0.09506		mg/Kg		95	70 - 130	15	35
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1943		mg/Kg		98	70 - 130	14	35
o-Xylene	<0.00199	U	0.0996	0.09614		mg/Kg		96	70 - 130	14	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*

Lab Sample ID: MB 880-65698/5-A
Matrix: Solid
Analysis Batch: 65680

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 65698

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		10/27/23 11:54	10/27/23 23:35	1
Toluene	<0.00200	U	0.00200	mg/Kg		10/27/23 11:54	10/27/23 23:35	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		10/27/23 11:54	10/27/23 23:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		10/27/23 11:54	10/27/23 23:35	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		10/27/23 11:54	10/27/23 23:35	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		10/27/23 11:54	10/27/23 23:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*71*		*70 - 130*	*10/27/23 11:54*	*10/27/23 23:35*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*10/27/23 11:54*	*10/27/23 23:35*	*1*

Lab Sample ID: MB 880-65762/5-A
Matrix: Solid
Analysis Batch: 65758

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 65762

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		10/30/23 09:13	10/30/23 12:05	1
Toluene	<0.00200	U	0.00200	mg/Kg		10/30/23 09:13	10/30/23 12:05	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		10/30/23 09:13	10/30/23 12:05	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		10/30/23 09:13	10/30/23 12:05	1

QC Sample Results

Client: Ensolum
Project/Site: BEVO 11 FED 4H

Job ID: 890-5523-1
SDG: 03D2024239

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

Lab Sample ID: MB 880-65762/5-A
Matrix: Solid
Analysis Batch: 65758

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 65762

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/30/23 09:13	10/30/23 12:05	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/30/23 09:13	10/30/23 12:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*10/30/23 09:13*	*10/30/23 12:05*	*1*
1,4-Difluorobenzene (Surr)	*123*		*70 - 130*	*10/30/23 09:13*	*10/30/23 12:05*	*1*

Lab Sample ID: MB 880-65815/5-A
Matrix: Solid
Analysis Batch: 65758

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 65815

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/30/23 13:21	10/30/23 23:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/30/23 13:21	10/30/23 23:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/30/23 13:21	10/30/23 23:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/30/23 13:21	10/30/23 23:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/30/23 13:21	10/30/23 23:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/30/23 13:21	10/30/23 23:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*10/30/23 13:21*	*10/30/23 23:42*	*1*
1,4-Difluorobenzene (Surr)	*182*	*S1+*	*70 - 130*	*10/30/23 13:21*	*10/30/23 23:42*	*1*

Lab Sample ID: LCS 880-65815/1-A
Matrix: Solid
Analysis Batch: 65758

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 65815

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1028		mg/Kg		103	70 - 130		
Toluene			0.100	0.08951		mg/Kg		90	70 - 130		
Ethylbenzene			0.100	0.09437		mg/Kg		94	70 - 130		
m-Xylene & p-Xylene			0.200	0.1770		mg/Kg		89	70 - 130		
o-Xylene			0.100	0.07884		mg/Kg		79	70 - 130		

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

Lab Sample ID: LCSD 880-65815/2-A
Matrix: Solid
Analysis Batch: 65758

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 65815

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1182		mg/Kg		118	70 - 130	14	35
Toluene			0.100	0.09326		mg/Kg		93	70 - 130	4	35
Ethylbenzene			0.100	0.09122		mg/Kg		91	70 - 130	3	35
m-Xylene & p-Xylene			0.200	0.1839		mg/Kg		92	70 - 130	4	35
o-Xylene			0.100	0.08987		mg/Kg		90	70 - 130	13	35

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QC Sample Results

Client: Ensolum
Project/Site: BEVO 11 FED 4H

Job ID: 890-5523-1
SDG: 03D2024239

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 880-35012-A-1-D MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65758 — **Prep Batch: 65815**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00198	U F1	0.0998	0.06871	F1	mg/Kg		69	70 - 130
Toluene	<0.00198	U F1	0.0998	0.06414	F1	mg/Kg		63	70 - 130
Ethylbenzene	<0.00198	U F1	0.0998	0.05927	F1	mg/Kg		59	70 - 130
m-Xylene & p-Xylene	<0.00396	U F1	0.200	0.1329	F1	mg/Kg		64	70 - 130
o-Xylene	<0.00198	U F1	0.0998	0.06703	F1	mg/Kg		65	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 880-35012-A-1-E MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65758 — **Prep Batch: 65815**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U F1	0.100	0.06173	F1	mg/Kg		62	70 - 130	11	35
Toluene	<0.00198	U F1	0.100	0.05269	F1	mg/Kg		52	70 - 130	20	35
Ethylbenzene	<0.00198	U F1	0.100	0.04666	F1	mg/Kg		46	70 - 130	24	35
m-Xylene & p-Xylene	<0.00396	U F1	0.200	0.1089	F1	mg/Kg		52	70 - 130	20	35
o-Xylene	<0.00198	U F1	0.100	0.05594	F1	mg/Kg		54	70 - 130	18	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

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

Lab Sample ID: MB 880-65653/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65586 — **Prep Batch: 65653**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		10/26/23 07:31	10/26/23 08:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		10/26/23 07:31	10/26/23 08:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		10/26/23 07:31	10/26/23 08:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	201	S1+	70 - 130	10/26/23 07:31	10/26/23 08:31	1
o-Terphenyl	184	S1+	70 - 130	10/26/23 07:31	10/26/23 08:31	1

QC Sample Results

Client: Ensolum
Project/Site: BEVO 11 FED 4H

Job ID: 890-5523-1
SDG: 03D2024239

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

Lab Sample ID: LCS 880-65653/2-A
Matrix: Solid
Analysis Batch: 65586

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 65653

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	845.1		mg/Kg		85	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	860.3		mg/Kg		86	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*98*		*70 - 130*
o-Terphenyl	*107*		*70 - 130*

Lab Sample ID: LCSD 880-65653/3-A
Matrix: Solid
Analysis Batch: 65586

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 65653

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	836.1		mg/Kg		84	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	878.2		mg/Kg		88	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*107*		*70 - 130*
o-Terphenyl	*104*		*70 - 130*

Lab Sample ID: 890-5523-A-1-F MS
Matrix: Solid
Analysis Batch: 65586

Client Sample ID: 890-5523-A-1-F MS
Prep Type: Total/NA
Prep Batch: 65653

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.5	U	1010	1273		mg/Kg		125	70 - 130		
Diesel Range Organics (Over C10-C28)	118		1010	1156		mg/Kg		103	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*138*	*S1+*	*70 - 130*
o-Terphenyl	*112*		*70 - 130*

Lab Sample ID: 890-5523-A-1-G MSD
Matrix: Solid
Analysis Batch: 65586

Client Sample ID: 890-5523-A-1-G MSD
Prep Type: Total/NA
Prep Batch: 65653

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.5	U	1010	1300		mg/Kg		127	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	118		1010	1185		mg/Kg		106	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*142*	*S1+*	*70 - 130*

QC Sample Results

Client: Ensolum
Project/Site: BEVO 11 FED 4H

Job ID: 890-5523-1
SDG: 03D2024239

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

Lab Sample ID: 890-5523-A-1-G MSD
Matrix: Solid
Analysis Batch: 65586

Client Sample ID: 890-5523-A-1-G MSD
Prep Type: Total/NA
Prep Batch: 65653

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	113		70 - 130

Lab Sample ID: MB 880-65965/1-A
Matrix: Solid
Analysis Batch: 65945

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 65965

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/01/23 08:00	11/01/23 08:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/01/23 08:00	11/01/23 08:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/01/23 08:00	11/01/23 08:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	225	S1+	70 - 130	11/01/23 08:00	11/01/23 08:37	1
o-Terphenyl	224	S1+	70 - 130	11/01/23 08:00	11/01/23 08:37	1

Lab Sample ID: LCS 880-65965/2-A
Matrix: Solid
Analysis Batch: 65945

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 65965

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	907.3		mg/Kg		91	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	945.7		mg/Kg		95	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	116		70 - 130

Lab Sample ID: LCSD 880-65965/3-A
Matrix: Solid
Analysis Batch: 65945

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 65965

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	880.5		mg/Kg		88	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	910.0		mg/Kg		91	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	109		70 - 130

QC Sample Results

Client: Ensolum
Project/Site: BEVO 11 FED 4H

Job ID: 890-5523-1
SDG: 03D2024239

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

Lab Sample ID: 880-35073-A-25-D MS
Matrix: Solid
Analysis Batch: 65945

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 65965

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	998	1215		mg/Kg		118	70 - 130
Diesel Range Organics (Over C10-C28)	<50.3	U	998	1197		mg/Kg		118	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*134*	*S1+*	*70 - 130*
o-Terphenyl	*116*		*70 - 130*

Lab Sample ID: 880-35073-A-25-E MSD
Matrix: Solid
Analysis Batch: 65945

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 65965

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	998	1223		mg/Kg		119	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.3	U	998	1239		mg/Kg		122	70 - 130	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*138*	*S1+*	*70 - 130*
o-Terphenyl	*118*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-65623/1-A
Matrix: Solid
Analysis Batch: 65717

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			10/27/23 12:08	1

Lab Sample ID: LCS 880-65623/2-A
Matrix: Solid
Analysis Batch: 65717

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride			250	242.9		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-65623/3-A
Matrix: Solid
Analysis Batch: 65717

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	244.6		mg/Kg		98	90 - 110	1	20

QC Sample Results

Client: Ensolum
Project/Site: BEVO 11 FED 4H

Job ID: 890-5523-1
SDG: 03D2024239

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-5523-5 MS
Matrix: Solid
Analysis Batch: 65717

Client Sample ID: SS05
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	75.5		249	315.1		mg/Kg		96	90 - 110		

Lab Sample ID: 890-5523-5 MSD
Matrix: Solid
Analysis Batch: 65717

Client Sample ID: SS05
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	75.5		249	315.8		mg/Kg		96	90 - 110	0	20

QC Association Summary

Client: Ensolum
Project/Site: BEVO 11 FED 4H

Job ID: 890-5523-1
SDG: 03D2024239

GC VOA

Prep Batch: 65644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5523-1	SS01	Total/NA	Solid	5035	
890-5523-2	SS02	Total/NA	Solid	5035	
890-5523-3	SS03	Total/NA	Solid	5035	
890-5523-4	SS04	Total/NA	Solid	5035	
890-5523-5	SS05	Total/NA	Solid	5035	
890-5523-6	SS06	Total/NA	Solid	5035	
890-5523-7	SS07	Total/NA	Solid	5035	
890-5523-8	SS08	Total/NA	Solid	5035	
890-5523-9	SS09	Total/NA	Solid	5035	
890-5523-10	SS10	Total/NA	Solid	5035	
MB 880-65644/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-65644/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-65644/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-5523-1 MS	SS01	Total/NA	Solid	5035	
890-5523-1 MSD	SS01	Total/NA	Solid	5035	

Analysis Batch: 65680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5523-1	SS01	Total/NA	Solid	8021B	65644
890-5523-2	SS02	Total/NA	Solid	8021B	65644
890-5523-3	SS03	Total/NA	Solid	8021B	65644
890-5523-4	SS04	Total/NA	Solid	8021B	65644
890-5523-5	SS05	Total/NA	Solid	8021B	65644
890-5523-6	SS06	Total/NA	Solid	8021B	65644
890-5523-7	SS07	Total/NA	Solid	8021B	65644
890-5523-8	SS08	Total/NA	Solid	8021B	65644
890-5523-9	SS09	Total/NA	Solid	8021B	65644
890-5523-10	SS10	Total/NA	Solid	8021B	65644
MB 880-65644/5-A	Method Blank	Total/NA	Solid	8021B	65644
MB 880-65698/5-A	Method Blank	Total/NA	Solid	8021B	65698
LCS 880-65644/1-A	Lab Control Sample	Total/NA	Solid	8021B	65644
LCSD 880-65644/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	65644
890-5523-1 MS	SS01	Total/NA	Solid	8021B	65644
890-5523-1 MSD	SS01	Total/NA	Solid	8021B	65644

Prep Batch: 65698

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-65698/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 65758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5523-7	SS07	Total/NA	Solid	8021B	65815
890-5523-8	SS08	Total/NA	Solid	8021B	65815
890-5523-9	SS09	Total/NA	Solid	8021B	65815
MB 880-65762/5-A	Method Blank	Total/NA	Solid	8021B	65762
MB 880-65815/5-A	Method Blank	Total/NA	Solid	8021B	65815
LCS 880-65815/1-A	Lab Control Sample	Total/NA	Solid	8021B	65815
LCSD 880-65815/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	65815
880-35012-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	65815
880-35012-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	65815

QC Association Summary

Client: Ensolum
Project/Site: BEVO 11 FED 4H

Job ID: 890-5523-1
SDG: 03D2024239

GC VOA

Prep Batch: 65762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-65762/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 65811

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5523-1	SS01	Total/NA	Solid	Total BTEX	
890-5523-2	SS02	Total/NA	Solid	Total BTEX	
890-5523-3	SS03	Total/NA	Solid	Total BTEX	
890-5523-4	SS04	Total/NA	Solid	Total BTEX	
890-5523-5	SS05	Total/NA	Solid	Total BTEX	
890-5523-6	SS06	Total/NA	Solid	Total BTEX	
890-5523-7	SS07	Total/NA	Solid	Total BTEX	
890-5523-8	SS08	Total/NA	Solid	Total BTEX	
890-5523-9	SS09	Total/NA	Solid	Total BTEX	
890-5523-10	SS10	Total/NA	Solid	Total BTEX	

Prep Batch: 65815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5523-7	SS07	Total/NA	Solid	5035	
890-5523-8	SS08	Total/NA	Solid	5035	
890-5523-9	SS09	Total/NA	Solid	5035	
MB 880-65815/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-65815/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-65815/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-35012-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
880-35012-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

GC Semi VOA

Analysis Batch: 65586

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5523-2	SS02	Total/NA	Solid	8015B NM	65653
890-5523-3	SS03	Total/NA	Solid	8015B NM	65653
890-5523-4	SS04	Total/NA	Solid	8015B NM	65653
890-5523-5	SS05	Total/NA	Solid	8015B NM	65653
890-5523-6	SS06	Total/NA	Solid	8015B NM	65653
890-5523-7	SS07	Total/NA	Solid	8015B NM	65653
890-5523-8	SS08	Total/NA	Solid	8015B NM	65653
890-5523-9	SS09	Total/NA	Solid	8015B NM	65653
890-5523-10	SS10	Total/NA	Solid	8015B NM	65653
MB 880-65653/1-A	Method Blank	Total/NA	Solid	8015B NM	65653
LCS 880-65653/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	65653
LCSD 880-65653/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	65653
890-5523-A-1-F MS	890-5523-A-1-F MS	Total/NA	Solid	8015B NM	65653
890-5523-A-1-G MSD	890-5523-A-1-G MSD	Total/NA	Solid	8015B NM	65653

Prep Batch: 65653

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5523-2	SS02	Total/NA	Solid	8015NM Prep	
890-5523-3	SS03	Total/NA	Solid	8015NM Prep	
890-5523-4	SS04	Total/NA	Solid	8015NM Prep	
890-5523-5	SS05	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Ensolum
Project/Site: BEVO 11 FED 4H

Job ID: 890-5523-1
SDG: 03D2024239

GC Semi VOA (Continued)

Prep Batch: 65653 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5523-6	SS06	Total/NA	Solid	8015NM Prep	
890-5523-7	SS07	Total/NA	Solid	8015NM Prep	
890-5523-8	SS08	Total/NA	Solid	8015NM Prep	
890-5523-9	SS09	Total/NA	Solid	8015NM Prep	
890-5523-10	SS10	Total/NA	Solid	8015NM Prep	
MB 880-65653/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-65653/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-65653/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-5523-A-1-F MS	890-5523-A-1-F MS	Total/NA	Solid	8015NM Prep	
890-5523-A-1-G MSD	890-5523-A-1-G MSD	Total/NA	Solid	8015NM Prep	

Analysis Batch: 65699

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5523-1	SS01	Total/NA	Solid	8015 NM	
890-5523-2	SS02	Total/NA	Solid	8015 NM	
890-5523-3	SS03	Total/NA	Solid	8015 NM	
890-5523-4	SS04	Total/NA	Solid	8015 NM	
890-5523-5	SS05	Total/NA	Solid	8015 NM	
890-5523-6	SS06	Total/NA	Solid	8015 NM	
890-5523-7	SS07	Total/NA	Solid	8015 NM	
890-5523-8	SS08	Total/NA	Solid	8015 NM	
890-5523-9	SS09	Total/NA	Solid	8015 NM	
890-5523-10	SS10	Total/NA	Solid	8015 NM	

Analysis Batch: 65945

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5523-1	SS01	Total/NA	Solid	8015B NM	65965
MB 880-65965/1-A	Method Blank	Total/NA	Solid	8015B NM	65965
LCS 880-65965/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	65965
LCSD 880-65965/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	65965
880-35073-A-25-D MS	Matrix Spike	Total/NA	Solid	8015B NM	65965
880-35073-A-25-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	65965

Prep Batch: 65965

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5523-1	SS01	Total/NA	Solid	8015NM Prep	
MB 880-65965/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-65965/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-65965/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-35073-A-25-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-35073-A-25-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 65623

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5523-1	SS01	Soluble	Solid	DI Leach	
890-5523-2	SS02	Soluble	Solid	DI Leach	
890-5523-3	SS03	Soluble	Solid	DI Leach	
890-5523-4	SS04	Soluble	Solid	DI Leach	
890-5523-5	SS05	Soluble	Solid	DI Leach	

QC Association Summary

Client: Ensolum
Project/Site: BEVO 11 FED 4H

Job ID: 890-5523-1
SDG: 03D2024239

HPLC/IC (Continued)

Leach Batch: 65623 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5523-6	SS06	Soluble	Solid	DI Leach	
890-5523-7	SS07	Soluble	Solid	DI Leach	
890-5523-8	SS08	Soluble	Solid	DI Leach	
890-5523-9	SS09	Soluble	Solid	DI Leach	
890-5523-10	SS10	Soluble	Solid	DI Leach	
MB 880-65623/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-65623/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-65623/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-5523-5 MS	SS05	Soluble	Solid	DI Leach	
890-5523-5 MSD	SS05	Soluble	Solid	DI Leach	

Analysis Batch: 65717

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5523-1	SS01	Soluble	Solid	300.0	65623
890-5523-2	SS02	Soluble	Solid	300.0	65623
890-5523-3	SS03	Soluble	Solid	300.0	65623
890-5523-4	SS04	Soluble	Solid	300.0	65623
890-5523-5	SS05	Soluble	Solid	300.0	65623
890-5523-6	SS06	Soluble	Solid	300.0	65623
890-5523-7	SS07	Soluble	Solid	300.0	65623
890-5523-8	SS08	Soluble	Solid	300.0	65623
890-5523-9	SS09	Soluble	Solid	300.0	65623
890-5523-10	SS10	Soluble	Solid	300.0	65623
MB 880-65623/1-A	Method Blank	Soluble	Solid	300.0	65623
LCS 880-65623/2-A	Lab Control Sample	Soluble	Solid	300.0	65623
LCSD 880-65623/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	65623
890-5523-5 MS	SS05	Soluble	Solid	300.0	65623
890-5523-5 MSD	SS05	Soluble	Solid	300.0	65623

Lab Chronicle

Client: Ensolum
Project/Site: BEVO 11 FED 4H

Job ID: 890-5523-1
SDG: 03D2024239

Client Sample ID: SS01
Date Collected: 10/24/23 10:55
Date Received: 10/24/23 16:08

Lab Sample ID: 890-5523-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	65644	10/26/23 11:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65680	10/28/23 10:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65811	10/28/23 10:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			65699	11/01/23 14:29	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	65965	11/01/23 10:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65945	11/01/23 14:29	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	65623	10/26/23 10:44	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	65717	10/27/23 13:16	CH	EET MID

Client Sample ID: SS02
Date Collected: 10/24/23 11:00
Date Received: 10/24/23 16:08

Lab Sample ID: 890-5523-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	65644	10/26/23 11:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65680	10/28/23 10:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65811	10/28/23 10:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			65699	10/26/23 15:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	65653	10/26/23 13:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65586	10/26/23 15:43	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	65623	10/26/23 10:44	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	65717	10/27/23 13:21	CH	EET MID

Client Sample ID: SS03
Date Collected: 10/24/23 11:05
Date Received: 10/24/23 16:08

Lab Sample ID: 890-5523-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	65644	10/26/23 11:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65680	10/28/23 11:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65811	10/28/23 11:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			65699	10/26/23 16:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	65653	10/26/23 13:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65586	10/26/23 16:05	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	65623	10/26/23 10:44	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	65717	10/27/23 13:26	CH	EET MID

Client Sample ID: SS04
Date Collected: 10/24/23 11:10
Date Received: 10/24/23 16:08

Lab Sample ID: 890-5523-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	65644	10/26/23 11:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65680	10/28/23 11:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65811	10/28/23 11:34	SM	EET MID

Lab Chronicle

Client: Ensolum
Project/Site: BEVO 11 FED 4H

Job ID: 890-5523-1
SDG: 03D2024239

Client Sample ID: SS04
Date Collected: 10/24/23 11:10
Date Received: 10/24/23 16:08

Lab Sample ID: 890-5523-4
Matrix: Solid

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			65699	10/26/23 16:27	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	65653	10/26/23 13:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65586	10/26/23 16:27	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	65623	10/26/23 10:44	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	65717	10/27/23 13:31	CH	EET MID

Client Sample ID: SS05
Date Collected: 10/24/23 11:15
Date Received: 10/24/23 16:08

Lab Sample ID: 890-5523-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	65644	10/26/23 11:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65680	10/28/23 11:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65811	10/28/23 11:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			65699	10/26/23 16:49	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	65653	10/26/23 13:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65586	10/26/23 16:49	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	65623	10/26/23 10:44	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	65717	10/27/23 13:36	CH	EET MID

Client Sample ID: SS06
Date Collected: 10/24/23 11:20
Date Received: 10/24/23 16:08

Lab Sample ID: 890-5523-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	65644	10/26/23 11:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65680	10/28/23 12:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65811	10/28/23 12:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			65699	10/26/23 17:11	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	65653	10/26/23 13:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65586	10/26/23 17:11	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	65623	10/26/23 10:44	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	65717	10/27/23 13:52	CH	EET MID

Client Sample ID: SS07
Date Collected: 10/24/23 11:25
Date Received: 10/24/23 16:08

Lab Sample ID: 890-5523-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	65815	10/30/23 13:21	MNR	EET MID
Total/NA	Analysis	8021B		200	5 mL	5 mL	65758	10/31/23 02:13	MNR	EET MID
Total/NA	Prep	5035			5.01 g	5 mL	65644	10/26/23 11:52	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	65680	10/28/23 12:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65811	10/31/23 02:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			65699	10/26/23 21:36	SM	EET MID

Lab Chronicle

Client: Ensolum
Project/Site: BEVO 11 FED 4H

Job ID: 890-5523-1
SDG: 03D2024239

Client Sample ID: SS07
Date Collected: 10/24/23 11:25
Date Received: 10/24/23 16:08

Lab Sample ID: 890-5523-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	65653	10/26/23 13:31	TKC	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	65586	10/26/23 21:36	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	65623	10/26/23 10:44	SMC	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	65717	10/27/23 13:57	CH	EET MID

Client Sample ID: SS08
Date Collected: 10/24/23 11:30
Date Received: 10/24/23 16:08

Lab Sample ID: 890-5523-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	65815	10/30/23 13:21	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	65758	10/31/23 02:34	MNR	EET MID
Total/NA	Prep	5035			4.97 g	5 mL	65644	10/26/23 11:52	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	65680	10/28/23 13:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65811	10/31/23 02:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			65699	10/26/23 20:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	65653	10/26/23 13:31	TKC	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	65586	10/26/23 20:51	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	65623	10/26/23 10:44	SMC	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	65717	10/27/23 14:13	CH	EET MID

Client Sample ID: SS09
Date Collected: 10/24/23 11:35
Date Received: 10/24/23 16:08

Lab Sample ID: 890-5523-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	65815	10/30/23 13:21	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	65758	10/31/23 02:54	MNR	EET MID
Total/NA	Prep	5035			4.99 g	5 mL	65644	10/26/23 11:52	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	65680	10/28/23 13:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65811	10/31/23 02:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			65699	10/26/23 21:14	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	65653	10/26/23 13:31	TKC	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	65586	10/26/23 21:14	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	65623	10/26/23 10:44	SMC	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	65717	10/27/23 14:18	CH	EET MID

Client Sample ID: SS10
Date Collected: 10/24/23 11:40
Date Received: 10/24/23 16:08

Lab Sample ID: 890-5523-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	65644	10/26/23 11:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65680	10/28/23 12:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65811	10/28/23 12:36	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum
Project/Site: BEVO 11 FED 4H

Job ID: 890-5523-1
SDG: 03D2024239

Client Sample ID: SS10

Date Collected: 10/24/23 11:40
Date Received: 10/24/23 16:08

Lab Sample ID: 890-5523-10

Matrix: Solid

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			65699	10/26/23 22:20	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	65653	10/26/23 13:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65586	10/26/23 22:20	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	65623	10/26/23 10:44	SMC	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	65717	10/27/23 14:23	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum
Project/Site: BEVO 11 FED 4H

Job ID: 890-5523-1
SDG: 03D2024239

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Ensolum
Project/Site: BEVO 11 FED 4H

Job ID: 890-5523-1
SDG: 03D2024239

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

Protocol References:

ASTM = ASTM International
EPA = US Environmental Protection Agency
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Ensolum
Project/Site: BEVO 11 FED 4H

Job ID: 890-5523-1
SDG: 03D2024239

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-5523-1	SS01	Solid	10/24/23 10:55	10/24/23 16:08	0.5
890-5523-2	SS02	Solid	10/24/23 11:00	10/24/23 16:08	0.5
890-5523-3	SS03	Solid	10/24/23 11:05	10/24/23 16:08	0.5
890-5523-4	SS04	Solid	10/24/23 11:10	10/24/23 16:08	0.5
890-5523-5	SS05	Solid	10/24/23 11:15	10/24/23 16:08	0.5
890-5523-6	SS06	Solid	10/24/23 11:20	10/24/23 16:08	0.5
890-5523-7	SS07	Solid	10/24/23 11:25	10/24/23 16:08	0.5
890-5523-8	SS08	Solid	10/24/23 11:30	10/24/23 16:08	0.5
890-5523-9	SS09	Solid	10/24/23 11:35	10/24/23 16:08	0.5
890-5523-10	SS10	Solid	10/24/23 11:40	10/24/23 16:08	0.5

Chain of Custody

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Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

www.xenco.com Page 1 of 1

Project Manager:	Hadlie Green	Bill to: (if different)	Hadlie Green
Company Name:	Ensolum, LLC	Company Name:	Ensolum, LLC
Address:	601 N Marienfeld St Suite 400	Address:	601 N Marienfeld St Suite 400
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-557-8895	Email:	hgreen@ensolum.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Bevo 11 Fed 4H	Turn Around	
Project Number:	03D2024239	☑ Routine ☐ Rush	
Project Location:	32.40132,-103.53318	Due Date:	
Sampler's Name:	Peter Van Patten	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	Yes No	
Samples Received Intact:	(Yes) No	Thermometer ID:	TNM007	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	0.8	
Total Containers:		Corrected Temperature:	0.6	

ANALYSIS REQUEST

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2S0_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

890-5523 Chain of Custody

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	CHLORIDES (EPA: 300.0)	TPH (8015)	BTEX (8021)	Sample Comments
SS01	Soil	10/24/2023	1055	0.5	Comp	1		x	x	x	
SS02	Soil	10/24/2023	1100	0.5	Comp	1		x	x	x	
SS03	Soil	10/24/2023	1105	0.5	Comp	1		x	x	x	
SS04	Soil	10/24/2023	1110	0.5	Comp	1		x	x	x	
SS05	Soil	10/24/2023	1115	0.5	Comp	1		x	x	x	
SS06	Soil	10/24/2023	1120	0.5	Comp	1		x	x	x	
SS07	Soil	10/24/2023	1125	0.5	Comp	1		x	x	x	
SS08	Soil	10/24/2023	1130	0.5	Comp	1		x	x	x	
SS09	Soil	10/24/2023	1135	0.5	Comp	1		x	x	x	
SS10	Soil	10/24/2023	1140	0.5	Comp	1		x	x	x	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Peter Van Patten		10/24/	2 1608		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-5523-1
SDG Number: 03D2024239

Login Number: 5523
List Number: 1
Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-5523-1
SDG Number: 03D2024239

Login Number: 5523
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 10/26/23 11:43 AM

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

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ANALYTICAL REPORT

PREPARED FOR

Attn: Hadlie Green
Ensolum
601 N. Marienfeld St.
Suite 400
Midland, Texas 79701

Generated 12/8/2023 2:39:25 PM

JOB DESCRIPTION

Bevo 11 Federal 004H
03D2024239

JOB NUMBER

890-5682-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

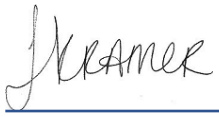
Eurofins Carlsbad

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Authorization



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12/8/2023 2:39:25 PM

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

Client: Ensolum
Project/Site: Bevo 11 Federal 004H

Laboratory Job ID: 890-5682-1
SDG: 03D2024239

Table of Contents

Definitions/Glossary

Client: Ensolum
Project/Site: Bevo 11 Federal 004H

Job ID: 890-5682-1
SDG: 03D2024239

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
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

Client: Ensolum
Project/Site: Bevo 11 Federal 004H

Job ID: 890-5682-1
SDG: 03D2024239

Job ID: 890-5682-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-5682-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

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

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

Receipt
The samples were received on 11/27/2023 2:22 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 1.4°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: SS06A (890-5682-1), BH01 (890-5682-2), BH01A (890-5682-3), BH02 (890-5682-4), BH02A (890-5682-5), BH03 (890-5682-6) and BH03A (890-5682-7).

GC VOA
Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-67985 and analytical batch 880-67980 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: BH02 (890-5682-4), BH02A (890-5682-5), BH03 (890-5682-6) and BH03A (890-5682-7). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-68429 and analytical batch 880-68564 was outside the upper control limits.

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-68429 and analytical batch 880-68564 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-68564 recovered above the upper control limit for Benzene, Toluene, Ethylbenzene, m-Xylene & p-Xylene and o-Xylene. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-68564/33).

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

GC Semi VOA
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-67965 and analytical batch 880-68070 was outside the control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: BH01A (890-5682-3), BH02 (890-5682-4), BH02A (890-5682-5), BH03 (890-5682-6), BH03A (890-5682-7), (890-5682-A-1-E MS) and (890-5682-A-1-F MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-67965 and analytical batch 880-68070 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference

Case Narrative

Client: Ensolum
Project/Site: Bevo 11 Federal 004H

Job ID: 890-5682-1
SDG: 03D2024239

Job ID: 890-5682-1 (Continued)

Laboratory: Eurofins Carlsbad (Continued)

and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

HPLC/IC

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

Client Sample Results

Client: Ensolum
Project/Site: Bevo 11 Federal 004H

Job ID: 890-5682-1
SDG: 03D2024239

Client Sample ID: SS06A

Date Collected: 11/27/23 09:15
Date Received: 11/27/23 14:22

Lab Sample ID: 890-5682-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/29/23 16:36	11/30/23 22:21	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/29/23 16:36	11/30/23 22:21	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/29/23 16:36	11/30/23 22:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/29/23 16:36	11/30/23 22:21	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/29/23 16:36	11/30/23 22:21	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/29/23 16:36	11/30/23 22:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*72*		*70 - 130*	*11/29/23 16:36*	*11/30/23 22:21*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*11/29/23 16:36*	*11/30/23 22:21*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/30/23 22:21	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**205**		49.9		mg/Kg			12/01/23 10:25	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/29/23 16:05	12/01/23 10:25	1
Diesel Range Organics (Over C10-C28)	**205**	**F1**	49.9		mg/Kg		11/29/23 16:05	12/01/23 10:25	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/29/23 16:05	12/01/23 10:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*11/29/23 16:05*	*12/01/23 10:25*	*1*
o-Terphenyl	*101*		*70 - 130*	*11/29/23 16:05*	*12/01/23 10:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**100**		4.95		mg/Kg			11/29/23 16:22	1

Client Sample ID: BH01

Date Collected: 11/27/23 09:20
Date Received: 11/27/23 14:22

Lab Sample ID: 890-5682-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/29/23 16:36	11/30/23 22:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/29/23 16:36	11/30/23 22:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/29/23 16:36	11/30/23 22:42	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/29/23 16:36	11/30/23 22:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/29/23 16:36	11/30/23 22:42	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/29/23 16:36	11/30/23 22:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*11/29/23 16:36*	*11/30/23 22:42*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*11/29/23 16:36*	*11/30/23 22:42*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Bevo 11 Federal 004H

Job ID: 890-5682-1
SDG: 03D2024239

Client Sample ID: BH01

Date Collected: 11/27/23 09:20
Date Received: 11/27/23 14:22

Lab Sample ID: 890-5682-2
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/30/23 22:42	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**134**		50.5		mg/Kg			12/01/23 11:30	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		11/29/23 16:05	12/01/23 11:30	1
Diesel Range Organics (Over C10-C28)	**134**		50.5		mg/Kg		11/29/23 16:05	12/01/23 11:30	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		11/29/23 16:05	12/01/23 11:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*123*		*70 - 130*	*11/29/23 16:05*	*12/01/23 11:30*	*1*
o-Terphenyl	*107*		*70 - 130*	*11/29/23 16:05*	*12/01/23 11:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8.16**		5.03		mg/Kg			11/29/23 16:41	1

Client Sample ID: BH01A

Date Collected: 11/27/23 09:25
Date Received: 11/27/23 14:22

Lab Sample ID: 890-5682-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/29/23 16:36	11/30/23 23:02	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/29/23 16:36	11/30/23 23:02	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/29/23 16:36	11/30/23 23:02	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/29/23 16:36	11/30/23 23:02	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/29/23 16:36	11/30/23 23:02	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/29/23 16:36	11/30/23 23:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*	*11/29/23 16:36*	*11/30/23 23:02*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*11/29/23 16:36*	*11/30/23 23:02*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/30/23 23:02	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**133**		49.8		mg/Kg			12/01/23 11:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/29/23 16:05	12/01/23 11:52	1
Diesel Range Organics (Over C10-C28)	**133**		49.8		mg/Kg		11/29/23 16:05	12/01/23 11:52	1

Client Sample Results

Client: Ensolum
Project/Site: Bevo 11 Federal 004H

Job ID: 890-5682-1
SDG: 03D2024239

Client Sample ID: BH01A

Lab Sample ID: 890-5682-3
Matrix: Solid
Date Collected: 11/27/23 09:25
Date Received: 11/27/23 14:22

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/29/23 16:05	12/01/23 11:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*141*	*S1+*	*70 - 130*	*11/29/23 16:05*	*12/01/23 11:52*	*1*
o-Terphenyl	*117*		*70 - 130*	*11/29/23 16:05*	*12/01/23 11:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**30.2**		4.96		mg/Kg			11/29/23 16:48	1

Client Sample ID: BH02

Lab Sample ID: 890-5682-4
Matrix: Solid
Date Collected: 11/27/23 11:00
Date Received: 11/27/23 14:22

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.693**		0.0498		mg/Kg		11/29/23 16:36	12/01/23 00:44	25
Toluene	**18.3**		0.401		mg/Kg		12/05/23 14:34	12/07/23 20:39	200
Ethylbenzene	**9.62**		0.401		mg/Kg		12/05/23 14:34	12/07/23 20:39	200
m-Xylene & p-Xylene	**17.6**		0.0996		mg/Kg		11/29/23 16:36	12/01/23 00:44	25
o-Xylene	**9.90**		0.0498		mg/Kg		11/29/23 16:36	12/01/23 00:44	25
Xylenes, Total	**27.5**		0.0996		mg/Kg		11/29/23 16:36	12/01/23 00:44	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*234*	*S1+*	*70 - 130*	*11/29/23 16:36*	*12/01/23 00:44*	*25*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*11/29/23 16:36*	*12/01/23 00:44*	*25*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**56.1**		0.401		mg/Kg			12/07/23 20:39	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**6330**		50.0		mg/Kg			12/01/23 12:14	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**1020**		50.0		mg/Kg		11/29/23 16:05	12/01/23 12:14	1
Diesel Range Organics (Over C10-C28)	**5310**		50.0		mg/Kg		11/29/23 16:05	12/01/23 12:14	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/29/23 16:05	12/01/23 12:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*166*	*S1+*	*70 - 130*	*11/29/23 16:05*	*12/01/23 12:14*	*1*
o-Terphenyl	*111*		*70 - 130*	*11/29/23 16:05*	*12/01/23 12:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3460**		24.9		mg/Kg			11/29/23 16:54	5

Client Sample Results

Client: Ensolum
Project/Site: Bevo 11 Federal 004H

Job ID: 890-5682-1
SDG: 03D2024239

Client Sample ID: BH02A

Date Collected: 11/27/23 11:10
Date Received: 11/27/23 14:22

Lab Sample ID: 890-5682-5
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/29/23 16:36	11/30/23 23:23	1
Toluene	**0.130**		0.00199		mg/Kg		11/29/23 16:36	11/30/23 23:23	1
Ethylbenzene	**0.0889**		0.00199		mg/Kg		11/29/23 16:36	11/30/23 23:23	1
m-Xylene & p-Xylene	**0.296**		0.00398		mg/Kg		11/29/23 16:36	11/30/23 23:23	1
o-Xylene	**0.200**		0.00199		mg/Kg		11/29/23 16:36	11/30/23 23:23	1
Xylenes, Total	**0.496**		0.00398		mg/Kg		11/29/23 16:36	11/30/23 23:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*171*	*S1+*	*70 - 130*	*11/29/23 16:36*	*11/30/23 23:23*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*11/29/23 16:36*	*11/30/23 23:23*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.715**		0.00398		mg/Kg			11/30/23 23:23	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1590**		49.6		mg/Kg			12/01/23 13:19	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**147**		49.6		mg/Kg		11/29/23 16:05	12/01/23 13:19	1
Diesel Range Organics (Over C10-C28)	**1440**		49.6		mg/Kg		11/29/23 16:05	12/01/23 13:19	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		11/29/23 16:05	12/01/23 13:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*144*	*S1+*	*70 - 130*	*11/29/23 16:05*	*12/01/23 13:19*	*1*
o-Terphenyl	*118*		*70 - 130*	*11/29/23 16:05*	*12/01/23 13:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1860**		25.1		mg/Kg			11/29/23 17:00	5

Client Sample ID: BH03

Date Collected: 11/27/23 12:10
Date Received: 11/27/23 14:22

Lab Sample ID: 890-5682-6
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0610**		0.0499		mg/Kg		11/29/23 16:36	12/01/23 01:05	25
Toluene	**2.23**		0.0499		mg/Kg		11/29/23 16:36	12/01/23 01:05	25
Ethylbenzene	**3.09**		0.0499		mg/Kg		11/29/23 16:36	12/01/23 01:05	25
m-Xylene & p-Xylene	**3.03**		0.0998		mg/Kg		11/29/23 16:36	12/01/23 01:05	25
o-Xylene	**3.27**		0.0499		mg/Kg		11/29/23 16:36	12/01/23 01:05	25
Xylenes, Total	**6.30**		0.0998		mg/Kg		11/29/23 16:36	12/01/23 01:05	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*274*	*S1+*	*70 - 130*	*11/29/23 16:36*	*12/01/23 01:05*	*25*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*11/29/23 16:36*	*12/01/23 01:05*	*25*

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
Project/Site: Bevo 11 Federal 004H

Job ID: 890-5682-1
SDG: 03D2024239

Client Sample ID: BH03

Date Collected: 11/27/23 12:10
Date Received: 11/27/23 14:22

Lab Sample ID: 890-5682-6
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	11.7		0.0998		mg/Kg			12/01/23 01:05	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	2590		50.3		mg/Kg			12/01/23 12:57	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	402		50.3		mg/Kg		11/29/23 16:05	12/01/23 12:57	1
Diesel Range Organics (Over C10-C28)	2190		50.3		mg/Kg		11/29/23 16:05	12/01/23 12:57	1
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		11/29/23 16:05	12/01/23 12:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*150*	*S1+*	*70 - 130*	*11/29/23 16:05*	*12/01/23 12:57*	*1*
o-Terphenyl	*121*		*70 - 130*	*11/29/23 16:05*	*12/01/23 12:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2620		50.1		mg/Kg			11/29/23 17:19	10

Client Sample ID: BH03A

Date Collected: 11/27/23 12:20
Date Received: 11/27/23 14:22

Lab Sample ID: 890-5682-7
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.296		0.0503		mg/Kg		11/29/23 16:36	12/01/23 01:25	25
Toluene	6.57		0.0503		mg/Kg		11/29/23 16:36	12/01/23 01:25	25
Ethylbenzene	7.54		0.0503		mg/Kg		11/29/23 16:36	12/01/23 01:25	25
m-Xylene & p-Xylene	8.46		0.101		mg/Kg		11/29/23 16:36	12/01/23 01:25	25
o-Xylene	7.21		0.0503		mg/Kg		11/29/23 16:36	12/01/23 01:25	25
Xylenes, Total	15.7		0.101		mg/Kg		11/29/23 16:36	12/01/23 01:25	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*418*	*S1+*	*70 - 130*	*11/29/23 16:36*	*12/01/23 01:25*	*25*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*11/29/23 16:36*	*12/01/23 01:25*	*25*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	30.1		0.101		mg/Kg			12/01/23 01:25	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	4430		50.5		mg/Kg			12/01/23 12:36	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	700		50.5		mg/Kg		11/29/23 16:05	12/01/23 12:36	1
Diesel Range Organics (Over C10-C28)	3730		50.5		mg/Kg		11/29/23 16:05	12/01/23 12:36	1

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Client Sample Results

Client: Ensolum
Project/Site: Bevo 11 Federal 004H

Job ID: 890-5682-1
SDG: 03D2024239

Client Sample ID: BH03A
Date Collected: 11/27/23 12:20
Date Received: 11/27/23 14:22

Lab Sample ID: 890-5682-7
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		11/29/23 16:05	12/01/23 12:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*150*	*S1+*	*70 - 130*	*11/29/23 16:05*	*12/01/23 12:36*	*1*
o-Terphenyl	*108*		*70 - 130*	*11/29/23 16:05*	*12/01/23 12:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2880**		25.1		mg/Kg			11/29/23 17:26	5

Surrogate Summary

Client: Ensolum
Project/Site: Bevo 11 Federal 004H

Job ID: 890-5682-1
SDG: 03D2024239

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-36462-A-1-A MS	Matrix Spike	96	105
880-36462-A-1-B MSD	Matrix Spike Duplicate	90	112
890-5682-1	SS06A	72	89
890-5682-1 MS	SS06A	111	106
890-5682-1 MSD	SS06A	111	95
890-5682-2	BH01	84	81
890-5682-3	BH01A	82	81
890-5682-4	BH02	234 S1+	95
890-5682-5	BH02A	171 S1+	98
890-5682-6	BH03	274 S1+	99
890-5682-7	BH03A	418 S1+	106
LCS 880-67971/1-A	Lab Control Sample	125	96
LCS 880-68429/1-A	Lab Control Sample	99	108
LCSD 880-67971/2-A	Lab Control Sample Dup	109	108
LCSD 880-68429/2-A	Lab Control Sample Dup	99	101
MB 880-67971/5-A	Method Blank	70	85
MB 880-67985/5-A	Method Blank	69 S1-	88
MB 880-68429/5-A	Method Blank	117	158 S1+

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-5682-1	SS06A	113	101
890-5682-1 MS	SS06A	142 S1+	103
890-5682-1 MSD	SS06A	143 S1+	104
890-5682-2	BH01	123	107
890-5682-3	BH01A	141 S1+	117
890-5682-4	BH02	166 S1+	111
890-5682-5	BH02A	144 S1+	118
890-5682-6	BH03	150 S1+	121
890-5682-7	BH03A	150 S1+	108
LCS 880-67965/2-A	Lab Control Sample	88	101
LCSD 880-67965/3-A	Lab Control Sample Dup	96	99
MB 880-67965/1-A	Method Blank	56 S1-	45 S1-

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum
Project/Site: Bevo 11 Federal 004H

Job ID: 890-5682-1
SDG: 03D2024239

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-67971/5-A
Matrix: Solid
Analysis Batch: 67980

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 67971

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/29/23 16:36	11/30/23 22:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/29/23 16:36	11/30/23 22:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/29/23 16:36	11/30/23 22:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/29/23 16:36	11/30/23 22:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/29/23 16:36	11/30/23 22:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/29/23 16:36	11/30/23 22:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*70*		*70 - 130*	*11/29/23 16:36*	*11/30/23 22:00*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*11/29/23 16:36*	*11/30/23 22:00*	*1*

Lab Sample ID: LCS 880-67971/1-A
Matrix: Solid
Analysis Batch: 67980

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 67971

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09288		mg/Kg		93	70 - 130		
Toluene			0.100	0.08694		mg/Kg		87	70 - 130		
Ethylbenzene			0.100	0.1097		mg/Kg		110	70 - 130		
m-Xylene & p-Xylene			0.200	0.2278		mg/Kg		114	70 - 130		
o-Xylene			0.100	0.1079		mg/Kg		108	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: LCSD 880-67971/2-A
Matrix: Solid
Analysis Batch: 67980

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 67971

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08835		mg/Kg		88	70 - 130	5	35
Toluene			0.100	0.08606		mg/Kg		86	70 - 130	1	35
Ethylbenzene			0.100	0.1003		mg/Kg		100	70 - 130	9	35
m-Xylene & p-Xylene			0.200	0.2042		mg/Kg		102	70 - 130	11	35
o-Xylene			0.100	0.09675		mg/Kg		97	70 - 130	11	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

Lab Sample ID: 890-5682-1 MS
Matrix: Solid
Analysis Batch: 67980

Client Sample ID: SS06A
Prep Type: Total/NA
Prep Batch: 67971

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U	0.0996	0.07929		mg/Kg		80	70 - 130		
Toluene	<0.00199	U	0.0996	0.07636		mg/Kg		76	70 - 130		

QC Sample Results

Client: Ensolum
Project/Site: Bevo 11 Federal 004H

Job ID: 890-5682-1
SDG: 03D2024239

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

Lab Sample ID: 890-5682-1 MS
Matrix: Solid
Analysis Batch: 67980

Client Sample ID: SS06A
Prep Type: Total/NA
Prep Batch: 67971

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U	0.0996	0.08501		mg/Kg		84	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1715		mg/Kg		85	70 - 130
o-Xylene	<0.00199	U	0.0996	0.08040		mg/Kg		80	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: 890-5682-1 MSD
Matrix: Solid
Analysis Batch: 67980

Client Sample ID: SS06A
Prep Type: Total/NA
Prep Batch: 67971

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0990	0.08141		mg/Kg		82	70 - 130	3	35
Toluene	<0.00199	U	0.0990	0.07565		mg/Kg		75	70 - 130	1	35
Ethylbenzene	<0.00199	U	0.0990	0.09303		mg/Kg		93	70 - 130	9	35
m-Xylene & p-Xylene	<0.00398	U	0.198	0.1798		mg/Kg		90	70 - 130	5	35
o-Xylene	<0.00199	U	0.0990	0.08904		mg/Kg		89	70 - 130	10	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: MB 880-67985/5-A
Matrix: Solid
Analysis Batch: 67980

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 67985

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/30/23 09:23	11/30/23 11:22	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/30/23 09:23	11/30/23 11:22	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/30/23 09:23	11/30/23 11:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		11/30/23 09:23	11/30/23 11:22	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/30/23 09:23	11/30/23 11:22	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/30/23 09:23	11/30/23 11:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*69*	*S1-*	*70 - 130*	*11/30/23 09:23*	*11/30/23 11:22*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*11/30/23 09:23*	*11/30/23 11:22*	*1*

Lab Sample ID: MB 880-68429/5-A
Matrix: Solid
Analysis Batch: 68564

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 68429

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/05/23 14:34	12/07/23 12:09	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/05/23 14:34	12/07/23 12:09	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/05/23 14:34	12/07/23 12:09	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		12/05/23 14:34	12/07/23 12:09	1

QC Sample Results

Client: Ensolum
Project/Site: Bevo 11 Federal 004H

Job ID: 890-5682-1
SDG: 03D2024239

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

Lab Sample ID: MB 880-68429/5-A
Matrix: Solid
Analysis Batch: 68564

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 68429

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/05/23 14:34	12/07/23 12:09	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/05/23 14:34	12/07/23 12:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*12/05/23 14:34*	*12/07/23 12:09*	*1*
1,4-Difluorobenzene (Surr)	*158*	*S1+*	*70 - 130*	*12/05/23 14:34*	*12/07/23 12:09*	*1*

Lab Sample ID: LCS 880-68429/1-A
Matrix: Solid
Analysis Batch: 68564

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 68429

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08988		mg/Kg		90	70 - 130		
Toluene			0.100	0.08290		mg/Kg		83	70 - 130		
Ethylbenzene			0.100	0.07244		mg/Kg		72	70 - 130		
m-Xylene & p-Xylene			0.200	0.1757		mg/Kg		88	70 - 130		
o-Xylene			0.100	0.08629		mg/Kg		86	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

Lab Sample ID: LCSD 880-68429/2-A
Matrix: Solid
Analysis Batch: 68564

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 68429

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09849		mg/Kg		98	70 - 130	9	35
Toluene			0.100	0.08693		mg/Kg		87	70 - 130	5	35
Ethylbenzene			0.100	0.08364		mg/Kg		84	70 - 130	14	35
m-Xylene & p-Xylene			0.200	0.1979		mg/Kg		99	70 - 130	12	35
o-Xylene			0.100	0.09693		mg/Kg		97	70 - 130	12	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 880-36462-A-1-A MS
Matrix: Solid
Analysis Batch: 68564

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 68429

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00198	U	0.0998	0.08638		mg/Kg		87	70 - 130		
Toluene	<0.00198	U	0.0998	0.08162		mg/Kg		82	70 - 130		
Ethylbenzene	<0.00198	U F1	0.0998	0.07035		mg/Kg		70	70 - 130		
m-Xylene & p-Xylene	<0.00396	U	0.200	0.1628		mg/Kg		82	70 - 130		
o-Xylene	<0.00198	U	0.0998	0.07990		mg/Kg		79	70 - 130		

QC Sample Results

Client: Ensolum
Project/Site: Bevo 11 Federal 004H

Job ID: 890-5682-1
SDG: 03D2024239

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

Lab Sample ID: 880-36462-A-1-A MS
Matrix: Solid
Analysis Batch: 68564

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 68429

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: 880-36462-A-1-B MSD
Matrix: Solid
Analysis Batch: 68564

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 68429

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.100	0.09113		mg/Kg		91	70 - 130	5	35
Toluene	<0.00198	U	0.100	0.08383		mg/Kg		84	70 - 130	3	35
Ethylbenzene	<0.00198	U F1	0.100	0.06397	F1	mg/Kg		64	70 - 130	9	35
m-Xylene & p-Xylene	<0.00396	U	0.200	0.1618		mg/Kg		81	70 - 130	1	35
o-Xylene	<0.00198	U	0.100	0.07935		mg/Kg		79	70 - 130	1	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*

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

Lab Sample ID: MB 880-67965/1-A
Matrix: Solid
Analysis Batch: 68070

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 67965

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/29/23 16:05	12/01/23 07:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/29/23 16:05	12/01/23 07:54	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/29/23 16:05	12/01/23 07:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*56*	*S1-*	*70 - 130*	*11/29/23 16:05*	*12/01/23 07:54*	*1*
o-Terphenyl	*45*	*S1-*	*70 - 130*	*11/29/23 16:05*	*12/01/23 07:54*	*1*

Lab Sample ID: LCS 880-67965/2-A
Matrix: Solid
Analysis Batch: 68070

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 67965

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	902.1		mg/Kg		90	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	939.7		mg/Kg		94	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	*88*		*70 - 130*
o-Terphenyl	*101*		*70 - 130*

QC Sample Results

Client: Ensolum
Project/Site: Bevo 11 Federal 004H

Job ID: 890-5682-1
SDG: 03D2024239

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

Lab Sample ID: LCSD 880-67965/3-A
Matrix: Solid
Analysis Batch: 68070

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 67965

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	879.6		mg/Kg		88	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	905.9		mg/Kg		91	70 - 130	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*96*		*70 - 130*
o-Terphenyl	*99*		*70 - 130*

Lab Sample ID: 890-5682-1 MS
Matrix: Solid
Analysis Batch: 68070

Client Sample ID: SS06A
Prep Type: Total/NA
Prep Batch: 67965

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	1003		mg/Kg		97	70 - 130
Diesel Range Organics (Over C10-C28)	205	F1	1000	1658	F1	mg/Kg		145	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*142*	*S1+*	*70 - 130*
o-Terphenyl	*103*		*70 - 130*

Lab Sample ID: 890-5682-1 MSD
Matrix: Solid
Analysis Batch: 68070

Client Sample ID: SS06A
Prep Type: Total/NA
Prep Batch: 67965

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	1058		mg/Kg		102	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	205	F1	1000	1707	F1	mg/Kg		150	70 - 130	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*143*	*S1+*	*70 - 130*
o-Terphenyl	*104*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-67930/1-A
Matrix: Solid
Analysis Batch: 67967

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			11/29/23 15:58	1

QC Sample Results

Client: Ensolum
Project/Site: Bevo 11 Federal 004H

Job ID: 890-5682-1
SDG: 03D2024239

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-67930/2-A
Matrix: Solid
Analysis Batch: 67967

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	236.2		mg/Kg		94	90 - 110		

Lab Sample ID: LCSD 880-67930/3-A
Matrix: Solid
Analysis Batch: 67967

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	247.5		mg/Kg		99	90 - 110	5	20

Lab Sample ID: 890-5682-1 MS
Matrix: Solid
Analysis Batch: 67967

Client Sample ID: SS06A
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	100		248	329.8		mg/Kg		93	90 - 110		

Lab Sample ID: 890-5682-1 MSD
Matrix: Solid
Analysis Batch: 67967

Client Sample ID: SS06A
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	100		248	338.9		mg/Kg		96	90 - 110	3	20

QC Association Summary

Client: Ensolum
Project/Site: Bevo 11 Federal 004H

Job ID: 890-5682-1
SDG: 03D2024239

GC VOA

Prep Batch: 67971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5682-1	SS06A	Total/NA	Solid	5035	
890-5682-2	BH01	Total/NA	Solid	5035	
890-5682-3	BH01A	Total/NA	Solid	5035	
890-5682-4	BH02	Total/NA	Solid	5035	
890-5682-5	BH02A	Total/NA	Solid	5035	
890-5682-6	BH03	Total/NA	Solid	5035	
890-5682-7	BH03A	Total/NA	Solid	5035	
MB 880-67971/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-67971/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-67971/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-5682-1 MS	SS06A	Total/NA	Solid	5035	
890-5682-1 MSD	SS06A	Total/NA	Solid	5035	

Analysis Batch: 67980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5682-1	SS06A	Total/NA	Solid	8021B	67971
890-5682-2	BH01	Total/NA	Solid	8021B	67971
890-5682-3	BH01A	Total/NA	Solid	8021B	67971
890-5682-4	BH02	Total/NA	Solid	8021B	67971
890-5682-5	BH02A	Total/NA	Solid	8021B	67971
890-5682-6	BH03	Total/NA	Solid	8021B	67971
890-5682-7	BH03A	Total/NA	Solid	8021B	67971
MB 880-67971/5-A	Method Blank	Total/NA	Solid	8021B	67971
MB 880-67985/5-A	Method Blank	Total/NA	Solid	8021B	67985
LCS 880-67971/1-A	Lab Control Sample	Total/NA	Solid	8021B	67971
LCSD 880-67971/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	67971
890-5682-1 MS	SS06A	Total/NA	Solid	8021B	67971
890-5682-1 MSD	SS06A	Total/NA	Solid	8021B	67971

Prep Batch: 67985

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-67985/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 68140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5682-1	SS06A	Total/NA	Solid	Total BTEX	
890-5682-2	BH01	Total/NA	Solid	Total BTEX	
890-5682-3	BH01A	Total/NA	Solid	Total BTEX	
890-5682-4	BH02	Total/NA	Solid	Total BTEX	
890-5682-5	BH02A	Total/NA	Solid	Total BTEX	
890-5682-6	BH03	Total/NA	Solid	Total BTEX	
890-5682-7	BH03A	Total/NA	Solid	Total BTEX	

Prep Batch: 68429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5682-4	BH02	Total/NA	Solid	5035	
MB 880-68429/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-68429/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-68429/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-36462-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-36462-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

QC Association Summary

Client: Ensolum
Project/Site: Bevo 11 Federal 004H

Job ID: 890-5682-1
SDG: 03D2024239

GC VOA

Analysis Batch: 68564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5682-4	BH02	Total/NA	Solid	8021B	68429
MB 880-68429/5-A	Method Blank	Total/NA	Solid	8021B	68429
LCS 880-68429/1-A	Lab Control Sample	Total/NA	Solid	8021B	68429
LCSD 880-68429/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	68429
880-36462-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	68429
880-36462-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	68429

GC Semi VOA

Prep Batch: 67965

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5682-1	SS06A	Total/NA	Solid	8015NM Prep	
890-5682-2	BH01	Total/NA	Solid	8015NM Prep	
890-5682-3	BH01A	Total/NA	Solid	8015NM Prep	
890-5682-4	BH02	Total/NA	Solid	8015NM Prep	
890-5682-5	BH02A	Total/NA	Solid	8015NM Prep	
890-5682-6	BH03	Total/NA	Solid	8015NM Prep	
890-5682-7	BH03A	Total/NA	Solid	8015NM Prep	
MB 880-67965/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-67965/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-67965/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-5682-1 MS	SS06A	Total/NA	Solid	8015NM Prep	
890-5682-1 MSD	SS06A	Total/NA	Solid	8015NM Prep	

Analysis Batch: 68070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5682-1	SS06A	Total/NA	Solid	8015B NM	67965
890-5682-2	BH01	Total/NA	Solid	8015B NM	67965
890-5682-3	BH01A	Total/NA	Solid	8015B NM	67965
890-5682-4	BH02	Total/NA	Solid	8015B NM	67965
890-5682-5	BH02A	Total/NA	Solid	8015B NM	67965
890-5682-6	BH03	Total/NA	Solid	8015B NM	67965
890-5682-7	BH03A	Total/NA	Solid	8015B NM	67965
MB 880-67965/1-A	Method Blank	Total/NA	Solid	8015B NM	67965
LCS 880-67965/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	67965
LCSD 880-67965/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	67965
890-5682-1 MS	SS06A	Total/NA	Solid	8015B NM	67965
890-5682-1 MSD	SS06A	Total/NA	Solid	8015B NM	67965

Analysis Batch: 68299

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5682-1	SS06A	Total/NA	Solid	8015 NM	
890-5682-2	BH01	Total/NA	Solid	8015 NM	
890-5682-3	BH01A	Total/NA	Solid	8015 NM	
890-5682-4	BH02	Total/NA	Solid	8015 NM	
890-5682-5	BH02A	Total/NA	Solid	8015 NM	
890-5682-6	BH03	Total/NA	Solid	8015 NM	
890-5682-7	BH03A	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Ensolum
Project/Site: Bevo 11 Federal 004H

Job ID: 890-5682-1
SDG: 03D2024239

HPLC/IC

Leach Batch: 67930

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5682-1	SS06A	Soluble	Solid	DI Leach	
890-5682-2	BH01	Soluble	Solid	DI Leach	
890-5682-3	BH01A	Soluble	Solid	DI Leach	
890-5682-4	BH02	Soluble	Solid	DI Leach	
890-5682-5	BH02A	Soluble	Solid	DI Leach	
890-5682-6	BH03	Soluble	Solid	DI Leach	
890-5682-7	BH03A	Soluble	Solid	DI Leach	
MB 880-67930/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-67930/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-67930/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-5682-1 MS	SS06A	Soluble	Solid	DI Leach	
890-5682-1 MSD	SS06A	Soluble	Solid	DI Leach	

Analysis Batch: 67967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5682-1	SS06A	Soluble	Solid	300.0	67930
890-5682-2	BH01	Soluble	Solid	300.0	67930
890-5682-3	BH01A	Soluble	Solid	300.0	67930
890-5682-4	BH02	Soluble	Solid	300.0	67930
890-5682-5	BH02A	Soluble	Solid	300.0	67930
890-5682-6	BH03	Soluble	Solid	300.0	67930
890-5682-7	BH03A	Soluble	Solid	300.0	67930
MB 880-67930/1-A	Method Blank	Soluble	Solid	300.0	67930
LCS 880-67930/2-A	Lab Control Sample	Soluble	Solid	300.0	67930
LCSD 880-67930/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	67930
890-5682-1 MS	SS06A	Soluble	Solid	300.0	67930
890-5682-1 MSD	SS06A	Soluble	Solid	300.0	67930

Lab Chronicle

Client: Ensolum
Project/Site: Bevo 11 Federal 004H

Job ID: 890-5682-1
SDG: 03D2024239

Client Sample ID: SS06A
Date Collected: 11/27/23 09:15
Date Received: 11/27/23 14:22

Lab Sample ID: 890-5682-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	67971	11/29/23 16:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67980	11/30/23 22:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			68140	11/30/23 22:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			68299	12/01/23 10:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	67965	11/29/23 16:05	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68070	12/01/23 10:25	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	67930	11/29/23 11:39	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67967	11/29/23 16:22	CH	EET MID

Client Sample ID: BH01
Date Collected: 11/27/23 09:20
Date Received: 11/27/23 14:22

Lab Sample ID: 890-5682-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	67971	11/29/23 16:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67980	11/30/23 22:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			68140	11/30/23 22:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			68299	12/01/23 11:30	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	67965	11/29/23 16:05	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68070	12/01/23 11:30	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	67930	11/29/23 11:39	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67967	11/29/23 16:41	CH	EET MID

Client Sample ID: BH01A
Date Collected: 11/27/23 09:25
Date Received: 11/27/23 14:22

Lab Sample ID: 890-5682-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	67971	11/29/23 16:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67980	11/30/23 23:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			68140	11/30/23 23:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			68299	12/01/23 11:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	67965	11/29/23 16:05	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68070	12/01/23 11:52	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	67930	11/29/23 11:39	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67967	11/29/23 16:48	CH	EET MID

Client Sample ID: BH02
Date Collected: 11/27/23 11:00
Date Received: 11/27/23 14:22

Lab Sample ID: 890-5682-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	68429	12/05/23 14:34	MNR	EET MID
Total/NA	Analysis	8021B		200	5 mL	5 mL	68564	12/07/23 20:39	SM	EET MID

Lab Chronicle

Client: Ensolum
Project/Site: Bevo 11 Federal 004H

Job ID: 890-5682-1
SDG: 03D2024239

Client Sample ID: BH02
Date Collected: 11/27/23 11:00
Date Received: 11/27/23 14:22

Lab Sample ID: 890-5682-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	67971	11/29/23 16:36	MNR	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	67980	12/01/23 00:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			68140	12/07/23 20:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			68299	12/01/23 12:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	67965	11/29/23 16:05	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68070	12/01/23 12:14	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	67930	11/29/23 11:39	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	67967	11/29/23 16:54	CH	EET MID

Client Sample ID: BH02A
Date Collected: 11/27/23 11:10
Date Received: 11/27/23 14:22

Lab Sample ID: 890-5682-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	67971	11/29/23 16:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67980	11/30/23 23:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			68140	11/30/23 23:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			68299	12/01/23 13:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	67965	11/29/23 16:05	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68070	12/01/23 13:19	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	67930	11/29/23 11:39	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	67967	11/29/23 17:00	CH	EET MID

Client Sample ID: BH03
Date Collected: 11/27/23 12:10
Date Received: 11/27/23 14:22

Lab Sample ID: 890-5682-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	67971	11/29/23 16:36	MNR	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	67980	12/01/23 01:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			68140	12/01/23 01:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			68299	12/01/23 12:57	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	67965	11/29/23 16:05	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68070	12/01/23 12:57	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	67930	11/29/23 11:39	CH	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	67967	11/29/23 17:19	CH	EET MID

Client Sample ID: BH03A
Date Collected: 11/27/23 12:20
Date Received: 11/27/23 14:22

Lab Sample ID: 890-5682-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	67971	11/29/23 16:36	MNR	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	67980	12/01/23 01:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			68140	12/01/23 01:25	SM	EET MID

Lab Chronicle

Client: Ensolum
Project/Site: Bevo 11 Federal 004H

Job ID: 890-5682-1
SDG: 03D2024239

Client Sample ID: BH03A

Date Collected: 11/27/23 12:20
Date Received: 11/27/23 14:22

Lab Sample ID: 890-5682-7

Matrix: Solid

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			68299	12/01/23 12:36	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	67965	11/29/23 16:05	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68070	12/01/23 12:36	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	67930	11/29/23 11:39	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	67967	11/29/23 17:26	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum
Project/Site: Bevo 11 Federal 004H

Job ID: 890-5682-1
SDG: 03D2024239

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Ensolum
Project/Site: Bevo 11 Federal 004H

Job ID: 890-5682-1
SDG: 03D2024239

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Ensolum
Project/Site: Bevo 11 Federal 004H

Job ID: 890-5682-1
SDG: 03D2024239

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-5682-1	SS06A	Solid	11/27/23 09:15	11/27/23 14:22
890-5682-2	BH01	Solid	11/27/23 09:20	11/27/23 14:22
890-5682-3	BH01A	Solid	11/27/23 09:25	11/27/23 14:22
890-5682-4	BH02	Solid	11/27/23 11:00	11/27/23 14:22
890-5682-5	BH02A	Solid	11/27/23 11:10	11/27/23 14:22
890-5682-6	BH03	Solid	11/27/23 12:10	11/27/23 14:22
890-5682-7	BH03A	Solid	11/27/23 12:20	11/27/23 14:22

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: ______

www.xenco.com Page 1 of 1

Project Manager:	Hadlie Green	Bill to: (if different)	
Company Name:	Ensolum	Company Name:	
Address:	601 N. Marienfeld St #400	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-557-8895	Email:	hgreen@ensolum.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Bevo 11 Federal o/tH	Turn Around	
Project Number:	03D2024239	☑ Routine	☐ Rush
Project Location:	32.4013, -103.5331	Due Date:	
Sampler's Name:	Peter Van Patten	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT	Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No		Thermometer ID:	iNM007
Cooler Custody Seals:	Yes No (N/A)		Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)		Temperature Reading:	1.6
Total Containers:			Corrected Temperature:	1.4

ANALYSIS REQUEST

890-5682 Chain of Custody

Preservative Codes

None: NO — DI Water: H_2O
Cool: Cool — MeOH: Me
HCL: HC — HNO_3: HN
H_2SO_4: H_2 — NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	TPH	BTEX	Chlorides	Sample Comments
SS06A	Soil	11-27-23	915	1.0'	Comp	1		✓	✓	✓	
BH01	↓	↓	920	1.0'	↓	1		✓	✓	✓	
BH01A	↓	↓	925	1.5'	↓	1		✓	✓	✓	
BH02	↓	↓	1100	2.0'	↓	1		✓	✓	✓	
BH02A	↓	↓	1110	2.5'	↓	1		✓	✓	✓	
BH03	↓	↓	1210	1.0'	↓	1		✓	✓	✓	
BH03A	↓	↓	1220	1.75'	↓	1		✓	✓	✓	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 [signature]	[signature]	14:22 11/27	2		
3			4		
5			6		

Revised Date 08/25/2020 Rev. 2020.2

12/8/2023

Eurofins Carlsbad
1089 N Canal St
Carlsbad, NM 88220
Phone. 575-988-3199 Fax. 575-988-3199

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler	Lab PM. Kramer Jessica	Carrier Tracking No(s)	COC No. 890-1857 1
Client Contact: Shipping/Receiving	Phone	E-Mail Jessica Kramer@et.eurofinsus com	State of Origin. New Mexico	Page: Page 1 of 1
Company. Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #. 890-5682-1
Address 1211 W Florida Ave	Due Date Requested 12/4/2023			
City. Midland	TAT Requested (days):			
State Zip TX 79701				
Phone 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Bevo 11 Federal 004H	Project #: 89000145			
Site	SSOW#:			

Analysis Requested

Preservation Codes

A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F - MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M - Hexane, N None, O - AsNaO2, P Na2O4S, Q - Na2SO3, R Na2S2O3, S - H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W - pH 4-5, Y Trizma, Z - other (specify)

Other.

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MOD_NM/8015NM_S_Prep (MOD) Full TPH	8015MOD_Calc	300_ORGFM_28D/DI_LEACH Chloride	8021B/5035FP_Calc (MOD) BTEX	Total_BTEX_GCV	Total Number of containers	Special Instructions/Note.
			Preservation Code:										
SS06A (890-5682-1)	11/27/23	09 15 Mountain		Solid			X	X	X	X	X	1	
BH01 (890-5682-2)	11/27/23	09 20 Mountain		Solid			X	X	X	X	X	1	
BH01A (890-5682-3)	11/27/23	09 25 Mountain		Solid			X	X	X	X	X	1	
BH02 (890-5682-4)	11/27/23	11 00 Mountain		Solid			X	X	X	X	X	1	
BH02A (890-5682-5)	11/27/23	11 10 Mountain		Solid			X	X	X	X	X	1	
BH03 (890-5682-6)	11/27/23	12 10 Mountain		Solid			X	X	X	X	X	1	
BH03A (890-5682-7)	11/27/23	12 20 Mountain		Solid			X	X	X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing South Central LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central LLC

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank. 2

Special Instructions/QC Requirements.

Empty Kit Relinquished by.	Date	Time	Method of Shipment:

Relinquished by.	Date/Time:	Company	Received by.	Date/Time:	Company
Relinquished by.	Date/Time	Company	Received by.	Date/Time:	Company
Relinquished by.	Date/Time	Company	Received by.	Date/Time:	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks. 5.4/5.6

Ver. 06/08/2021

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-5682-1
SDG Number: 03D2024239

Login Number: 5682
List Number: 1
Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-5682-1
SDG Number: 03D2024239

Login Number: 5682
List Number: 2
Creator: Kramer, Jessica

List Source: Eurofins Midland
List Creation: 11/29/23 11:34 AM

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

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ANALYTICAL REPORT

PREPARED FOR

Attn: Hadlie Green
Ensolum
601 N. Marienfeld St.
Suite 400
Midland, Texas 79701

Generated 2/19/2024 10:47:33 AM Revision 1

JOB DESCRIPTION

BEVO 11 FEDERAL 004H
03D2024239

JOB NUMBER

890-5971-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

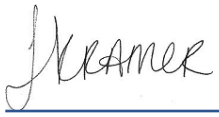
Eurofins Carlsbad

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Authorization



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2/19/2024 10:47:33 AM
Revision 1

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

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Laboratory Job ID: 890-5971-1
SDG: 03D2024239

Table of Contents

Definitions/Glossary

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-5971-1
SDG: 03D2024239

Qualifiers

GC VOA

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

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

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Definitions/Glossary

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-5971-1
SDG: 03D2024239

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TNTC	Too Numerous To Count

Case Narrative

Client: Ensolum
Project: BEVO 11 FEDERAL 004H

Job ID: 890-5971-1

Job ID: 890-5971-1 Eurofins Carlsbad

Job Narrative
890-5971-1

REVISION

The report being provided is a revision of the original report sent on 1/24/2024. The report (revision 1) is being revised due to Per client email, requesting TPH re run.

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

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

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

Receipt
The samples were received on 1/12/2024 1:52 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.0°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: BH03A (890-5971-1), BH03B (890-5971-2), BH04A (890-5971-3), BH04B (890-5971-4), BH04C (890-5971-5), BH05A (890-5971-6), BH05B (890-5971-7), BH06A (890-5971-8), BH06B (890-5971-9), BH07A (890-5971-10), BH07B (890-5971-11), BH08A (890-5971-12), BH08B (890-5971-13), BH09A (890-5971-14), BH09B (890-5971-15), BH10A (890-5971-16), BH10B (890-5971-17), BH11 (890-5971-18), BH12 (890-5971-19), BH13A (890-5971-20), BH13B (890-5971-21), BH14A (890-5971-22) and BH14B (890-5971-23).

GC VOA
Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-71092 and analytical batch 880-71087 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: BH13B (890-5971-21). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The following sample was diluted due to the nature of the sample matrix: BH13B (890-5971-21). Elevated reporting limits (RLs) are provided.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-71133 and analytical batch 880-71154 was outside the upper control limits.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-71154 recovered above the upper control limit for Benzene, m-Xylene & p-Xylene and o-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-71154/33).

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-71027 and analytical batch 880-71153 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: BH13A (890-5971-20). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-71132 and analytical batch 880-71154 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within

Case Narrative

Client: Ensolum Job ID: 890-5971-1
Project: BEVO 11 FEDERAL 004H

Job ID: 890-5971-1 (Continued) Eurofins Carlsbad

acceptance limits.

Method 8021B: The laboratory control sample duplicate (LCSD) for preparation batch 880-71132 and analytical batch 880-71154 recovered outside control limits for the following analytes: m-Xylene & p-Xylene. Since only an acceptable LCS is required per the method, the LCS shows recovery for the batch therefore the data has been qualified and reported.

Method 8021B: The following samples were diluted due to the nature of the sample matrix: BH03A (890-5971-1), BH05A (890-5971-6), BH06A (890-5971-8), BH07A (890-5971-10), BH11 (890-5971-18), BH12 (890-5971-19) and BH13A (890-5971-20). Elevated reporting limits (RLs) are provided.

Method 8021B: The following samples were diluted due to the nature of the sample matrix: BH06B (890-5971-9) and BH08A (890-5971-12). Elevated reporting limits (RLs) are provided.

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: (LCS 880-70975/2-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 880-70975 and analytical batch 880-70963 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (890-5971-A-2-C MS) and (890-5971-A-2-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: BH07A (890-5971-10), BH07B (890-5971-11) and BH09A (890-5971-14). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-71002 and analytical batch 880-70961 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (890-5972-A-1-D) and (890-5972-A-1-E MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-71029 and analytical batch 880-71032 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.

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

Client Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-5971-1
SDG: 03D2024239

Client Sample ID: BH03B

Date Collected: 01/12/24 10:00
Date Received: 01/12/24 13:52
Sample Depth: 3

Lab Sample ID: 890-5971-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F1	0.00199		mg/Kg		01/16/24 15:43	01/19/24 13:47	1
Toluene	<0.00199	U F1	0.00199		mg/Kg		01/16/24 15:43	01/19/24 13:47	1
Ethylbenzene	<0.00199	U F1	0.00199		mg/Kg		01/16/24 15:43	01/19/24 13:47	1
m-Xylene & p-Xylene	<0.00398	U F1	0.00398		mg/Kg		01/16/24 15:43	01/19/24 13:47	1
o-Xylene	<0.00199	U F1	0.00199		mg/Kg		01/16/24 15:43	01/19/24 13:47	1
Xylenes, Total	<0.00398	U F1	0.00398		mg/Kg		01/16/24 15:43	01/19/24 13:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*74*		*70 - 130*	*01/16/24 15:43*	*01/19/24 13:47*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*01/16/24 15:43*	*01/19/24 13:47*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/19/24 13:47	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/16/24 20:51	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U F1	49.8		mg/Kg		01/16/24 13:44	01/16/24 20:51	1
Diesel Range Organics (Over C10-C28)	<49.8	U F1	49.8		mg/Kg		01/16/24 13:44	01/16/24 20:51	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/16/24 13:44	01/16/24 20:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*01/16/24 13:44*	*01/16/24 20:51*	*1*
o-Terphenyl	*76*		*70 - 130*	*01/16/24 13:44*	*01/16/24 20:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**461**		5.05		mg/Kg			01/16/24 20:32	1

Client Sample ID: BH04A

Date Collected: 01/12/24 08:40
Date Received: 01/12/24 13:52
Sample Depth: 1

Lab Sample ID: 890-5971-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/16/24 15:43	01/19/24 12:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/16/24 15:43	01/19/24 12:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/16/24 15:43	01/19/24 12:45	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/16/24 15:43	01/19/24 12:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/16/24 15:43	01/19/24 12:45	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/16/24 15:43	01/19/24 12:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*01/16/24 15:43*	*01/19/24 12:45*	*1*

Client Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-5971-1
SDG: 03D2024239

Client Sample ID: BH04A
Date Collected: 01/12/24 08:40
Date Received: 01/12/24 13:52
Sample Depth: 1

Lab Sample ID: 890-5971-3
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*01/16/24 15:43*	*01/19/24 12:45*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			01/19/24 12:45	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**87.6**		50.5	mg/Kg			01/16/24 21:59	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5	mg/Kg		01/16/24 13:44	01/16/24 21:59	1
Diesel Range Organics (Over C10-C28)	**87.6**		50.5	mg/Kg		01/16/24 13:44	01/16/24 21:59	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5	mg/Kg		01/16/24 13:44	01/16/24 21:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*76*		*70 - 130*	*01/16/24 13:44*	*01/16/24 21:59*	*1*
o-Terphenyl	*73*		*70 - 130*	*01/16/24 13:44*	*01/16/24 21:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**949**		5.02	mg/Kg			01/16/24 20:37	1

Client Sample ID: BH04B
Date Collected: 01/12/24 08:55
Date Received: 01/12/24 13:52
Sample Depth: 4

Lab Sample ID: 890-5971-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/16/24 15:43	01/19/24 13:06	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/16/24 15:43	01/19/24 13:06	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/16/24 15:43	01/19/24 13:06	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		01/16/24 15:43	01/19/24 13:06	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/16/24 15:43	01/19/24 13:06	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		01/16/24 15:43	01/19/24 13:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*76*		*70 - 130*	*01/16/24 15:43*	*01/19/24 13:06*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*01/16/24 15:43*	*01/19/24 13:06*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			01/19/24 13:06	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	mg/Kg			01/16/24 22:22	1

Client Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-5971-1
SDG: 03D2024239

Client Sample ID: BH04B
Date Collected: 01/12/24 08:55
Date Received: 01/12/24 13:52
Sample Depth: 4

Lab Sample ID: 890-5971-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		01/16/24 13:44	01/16/24 22:22	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		01/16/24 13:44	01/16/24 22:22	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		01/16/24 13:44	01/16/24 22:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*74*		*70 - 130*	*01/16/24 13:44*	*01/16/24 22:22*	*1*
o-Terphenyl	*72*		*70 - 130*	*01/16/24 13:44*	*01/16/24 22:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**54.7**		4.98		mg/Kg			01/16/24 20:42	1

Client Sample ID: BH04C
Date Collected: 01/12/24 09:05
Date Received: 01/12/24 13:52
Sample Depth: 6

Lab Sample ID: 890-5971-5
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/16/24 15:43	01/19/24 13:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/16/24 15:43	01/19/24 13:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/16/24 15:43	01/19/24 13:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/16/24 15:43	01/19/24 13:26	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/16/24 15:43	01/19/24 13:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/16/24 15:43	01/19/24 13:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*01/16/24 15:43*	*01/19/24 13:26*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*01/16/24 15:43*	*01/19/24 13:26*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/19/24 13:26	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/16/24 22:45	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/16/24 13:44	01/16/24 22:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/16/24 13:44	01/16/24 22:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/16/24 13:44	01/16/24 22:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*01/16/24 13:44*	*01/16/24 22:45*	*1*
o-Terphenyl	*89*		*70 - 130*	*01/16/24 13:44*	*01/16/24 22:45*	*1*

Client Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-5971-1
SDG: 03D2024239

Client Sample ID: BH04C

Lab Sample ID: 890-5971-5
Matrix: Solid
Date Collected: 01/12/24 09:05
Date Received: 01/12/24 13:52
Sample Depth: 6

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**110**		5.04		mg/Kg			01/16/24 20:47	1

Client Sample ID: BH05A

Lab Sample ID: 890-5971-6
Matrix: Solid
Date Collected: 01/12/24 09:40
Date Received: 01/12/24 13:52
Sample Depth: 1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.199	U	0.199		mg/Kg		01/16/24 15:43	01/19/24 14:28	100
Toluene	**2.28**		0.199		mg/Kg		01/16/24 15:43	01/19/24 14:28	100
Ethylbenzene	**1.46**		0.199		mg/Kg		01/16/24 15:43	01/19/24 14:28	100
m-Xylene & p-Xylene	**1.72**		0.398		mg/Kg		01/16/24 15:43	01/19/24 14:28	100
o-Xylene	**1.05**		0.199		mg/Kg		01/16/24 15:43	01/19/24 14:28	100
Xylenes, Total	**2.77**		0.398		mg/Kg		01/16/24 15:43	01/19/24 14:28	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*01/16/24 15:43*	*01/19/24 14:28*	*100*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*01/16/24 15:43*	*01/19/24 14:28*	*100*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**6.51**		0.398		mg/Kg			01/19/24 14:28	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**10100**		248		mg/Kg			01/17/24 01:47	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**2160**		248		mg/Kg		01/16/24 13:44	01/17/24 01:47	5
Diesel Range Organics (Over C10-C28)	**6670**		248		mg/Kg		01/16/24 13:44	01/17/24 01:47	5
Oil Range Organics (Over C28-C36)	**1280**		248		mg/Kg		01/16/24 13:44	01/17/24 01:47	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*01/16/24 13:44*	*01/17/24 01:47*	*5*
o-Terphenyl	*97*		*70 - 130*	*01/16/24 13:44*	*01/17/24 01:47*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3660**		25.0		mg/Kg			01/16/24 21:03	5

Client Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-5971-1
SDG: 03D2024239

Client Sample ID: BH05B
Date Collected: 01/12/24 09:55
Date Received: 01/12/24 13:52
Sample Depth: 4

Lab Sample ID: 890-5971-7
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/18/24 14:53	01/20/24 07:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/18/24 14:53	01/20/24 07:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/18/24 14:53	01/20/24 07:55	1
m-Xylene & p-Xylene	<0.00401	U *+	0.00401		mg/Kg		01/18/24 14:53	01/20/24 07:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/18/24 14:53	01/20/24 07:55	1
Xylenes, Total	<0.00401	U *+	0.00401		mg/Kg		01/18/24 14:53	01/20/24 07:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*01/18/24 14:53*	*01/20/24 07:55*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*01/18/24 14:53*	*01/20/24 07:55*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			01/20/24 07:55	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**62.8**		50.1		mg/Kg			01/16/24 23:08	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		01/16/24 13:44	01/16/24 23:08	1
Diesel Range Organics (Over C10-C28)	**62.8**		50.1		mg/Kg		01/16/24 13:44	01/16/24 23:08	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		01/16/24 13:44	01/16/24 23:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*01/16/24 13:44*	*01/16/24 23:08*	*1*
o-Terphenyl	*78*		*70 - 130*	*01/16/24 13:44*	*01/16/24 23:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2220**		25.0		mg/Kg			01/16/24 21:08	5

Client Sample ID: BH06A
Date Collected: 01/12/24 10:30
Date Received: 01/12/24 13:52
Sample Depth: 1

Lab Sample ID: 890-5971-8
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.199	U	0.199		mg/Kg		01/16/24 15:43	01/19/24 14:49	100
Toluene	**0.450**		0.199		mg/Kg		01/16/24 15:43	01/19/24 14:49	100
Ethylbenzene	**0.620**		0.199		mg/Kg		01/16/24 15:43	01/19/24 14:49	100
m-Xylene & p-Xylene	**0.602**		0.398		mg/Kg		01/16/24 15:43	01/19/24 14:49	100
o-Xylene	**1.22**		0.199		mg/Kg		01/16/24 15:43	01/19/24 14:49	100
Xylenes, Total	**1.82**		0.398		mg/Kg		01/16/24 15:43	01/19/24 14:49	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*01/16/24 15:43*	*01/19/24 14:49*	*100*

Client Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-5971-1
SDG: 03D2024239

Client Sample ID: BH06A

Date Collected: 01/12/24 10:30
Date Received: 01/12/24 13:52
Sample Depth: 1

Lab Sample ID: 890-5971-8
Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*01/16/24 15:43*	*01/19/24 14:49*	*100*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**2.89**		0.398	mg/Kg			01/19/24 14:49	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**5480**		252	mg/Kg			01/17/24 02:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**1310**		252	mg/Kg		01/16/24 13:44	01/17/24 02:09	5
Diesel Range Organics (Over C10-C28)	**3540**		252	mg/Kg		01/16/24 13:44	01/17/24 02:09	5
Oil Range Organics (Over C28-C36)	**631**		252	mg/Kg		01/16/24 13:44	01/17/24 02:09	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*92*		*70 - 130*	*01/16/24 13:44*	*01/17/24 02:09*	*5*
o-Terphenyl	*75*		*70 - 130*	*01/16/24 13:44*	*01/17/24 02:09*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3830**		24.9	mg/Kg			01/16/24 21:13	5

Client Sample ID: BH06B

Date Collected: 01/12/24 10:40
Date Received: 01/12/24 13:52
Sample Depth: 2.5

Lab Sample ID: 890-5971-9
Matrix: Solid

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0497	U	0.0497	mg/Kg		01/23/24 10:00	01/24/24 00:27	25
Toluene	<0.0497	U	0.0497	mg/Kg		01/23/24 10:00	01/24/24 00:27	25
Ethylbenzene	<0.0497	U	0.0497	mg/Kg		01/23/24 10:00	01/24/24 00:27	25
m-Xylene & p-Xylene	**0.103**		0.0994	mg/Kg		01/23/24 10:00	01/24/24 00:27	25
o-Xylene	**0.0547**		0.0497	mg/Kg		01/23/24 10:00	01/24/24 00:27	25
Xylenes, Total	**0.158**		0.0994	mg/Kg		01/23/24 10:00	01/24/24 00:27	25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*01/23/24 10:00*	*01/24/24 00:27*	*25*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*01/23/24 10:00*	*01/24/24 00:27*	*25*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.158**		0.0994	mg/Kg			01/24/24 00:27	1

Client Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-5971-1
SDG: 03D2024239

Client Sample ID: BH06B

Date Collected: 01/12/24 10:40
Date Received: 01/12/24 13:52
Sample Depth: 2.5

Lab Sample ID: 890-5971-9
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**321**		50.5		mg/Kg			01/17/24 05:11	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		01/16/24 13:44	01/17/24 05:11	1
Diesel Range Organics (Over C10-C28)	**264**		50.5		mg/Kg		01/16/24 13:44	01/17/24 05:11	1
Oil Range Organics (Over C28-C36)	**56.9**		50.5		mg/Kg		01/16/24 13:44	01/17/24 05:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*01/16/24 13:44*	*01/17/24 05:11*	*1*
o-Terphenyl	*85*		*70 - 130*	*01/16/24 13:44*	*01/17/24 05:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5320**		50.1		mg/Kg			01/16/24 21:18	10

Client Sample ID: BH07A

Date Collected: 01/12/24 11:00
Date Received: 01/12/24 13:52
Sample Depth: 1

Lab Sample ID: 890-5971-10
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.201	U	0.201		mg/Kg		01/16/24 15:43	01/19/24 15:30	100
Toluene	**2.50**		0.201		mg/Kg		01/16/24 15:43	01/19/24 15:30	100
Ethylbenzene	**1.16**		0.201		mg/Kg		01/16/24 15:43	01/19/24 15:30	100
m-Xylene & p-Xylene	**1.79**		0.402		mg/Kg		01/16/24 15:43	01/19/24 15:30	100
o-Xylene	**0.849**		0.201		mg/Kg		01/16/24 15:43	01/19/24 15:30	100
Xylenes, Total	**2.64**		0.402		mg/Kg		01/16/24 15:43	01/19/24 15:30	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*01/16/24 15:43*	*01/19/24 15:30*	*100*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*01/16/24 15:43*	*01/19/24 15:30*	*100*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**6.30**		0.402		mg/Kg			01/19/24 15:30	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**4700**		250		mg/Kg			01/17/24 02:32	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**1340**		250		mg/Kg		01/16/24 13:44	01/17/24 02:32	5
Diesel Range Organics (Over C10-C28)	**2880**		250		mg/Kg		01/16/24 13:44	01/17/24 02:32	5

Client Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-5971-1
SDG: 03D2024239

Client Sample ID: BH07A

Date Collected: 01/12/24 11:00
Date Received: 01/12/24 13:52
Sample Depth: 1

Lab Sample ID: 890-5971-10
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	**477**		250		mg/Kg		01/16/24 13:44	01/17/24 02:32	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*01/16/24 13:44*	*01/17/24 02:32*	*5*
o-Terphenyl	*69*	*S1-*	*70 - 130*	*01/16/24 13:44*	*01/17/24 02:32*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4180**		25.0		mg/Kg			01/16/24 21:23	5

Client Sample ID: BH07B

Date Collected: 01/12/24 12:10
Date Received: 01/12/24 13:52
Sample Depth: 4.5

Lab Sample ID: 890-5971-11
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/16/24 15:43	01/19/24 16:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/16/24 15:43	01/19/24 16:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/16/24 15:43	01/19/24 16:52	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		01/16/24 15:43	01/19/24 16:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/16/24 15:43	01/19/24 16:52	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/16/24 15:43	01/19/24 16:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*72*		*70 - 130*	*01/16/24 15:43*	*01/19/24 16:52*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*01/16/24 15:43*	*01/19/24 16:52*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			01/19/24 16:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**111**		50.0		mg/Kg			01/16/24 23:31	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/16/24 13:44	01/16/24 23:31	1
Diesel Range Organics (Over C10-C28)	**111**		50.0		mg/Kg		01/16/24 13:44	01/16/24 23:31	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/16/24 13:44	01/16/24 23:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*69*	*S1-*	*70 - 130*	*01/16/24 13:44*	*01/16/24 23:31*	*1*
o-Terphenyl	*70*		*70 - 130*	*01/16/24 13:44*	*01/16/24 23:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**165**		5.00		mg/Kg			01/16/24 21:28	1

Client Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-5971-1
SDG: 03D2024239

Client Sample ID: BH08A

Date Collected: 01/12/24 12:45
Date Received: 01/12/24 13:52
Sample Depth: 1

Lab Sample ID: 890-5971-12
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0499	U	0.0499		mg/Kg		01/23/24 10:00	01/24/24 00:47	25
Toluene	<0.0499	U	0.0499		mg/Kg		01/23/24 10:00	01/24/24 00:47	25
Ethylbenzene	<0.0499	U	0.0499		mg/Kg		01/23/24 10:00	01/24/24 00:47	25
m-Xylene & p-Xylene	<0.0998	U	0.0998		mg/Kg		01/23/24 10:00	01/24/24 00:47	25
o-Xylene	<0.0499	U	0.0499		mg/Kg		01/23/24 10:00	01/24/24 00:47	25
Xylenes, Total	<0.0998	U	0.0998		mg/Kg		01/23/24 10:00	01/24/24 00:47	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*01/23/24 10:00*	*01/24/24 00:47*	*25*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*01/23/24 10:00*	*01/24/24 00:47*	*25*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.0998	U	0.0998		mg/Kg			01/24/24 00:47	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**142**		49.6		mg/Kg			01/16/24 23:54	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		01/16/24 13:44	01/16/24 23:54	1
Diesel Range Organics (Over C10-C28)	**142**		49.6		mg/Kg		01/16/24 13:44	01/16/24 23:54	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		01/16/24 13:44	01/16/24 23:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*75*		*70 - 130*	*01/16/24 13:44*	*01/16/24 23:54*	*1*
o-Terphenyl	*75*		*70 - 130*	*01/16/24 13:44*	*01/16/24 23:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6030**		50.4		mg/Kg			01/16/24 21:44	10

Client Sample ID: BH08B

Date Collected: 01/12/24 12:50
Date Received: 01/12/24 13:52
Sample Depth: 1.5

Lab Sample ID: 890-5971-13
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		01/16/24 15:43	01/19/24 17:13	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/16/24 15:43	01/19/24 17:13	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/16/24 15:43	01/19/24 17:13	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		01/16/24 15:43	01/19/24 17:13	1
o-Xylene	**0.00364**		0.00198		mg/Kg		01/16/24 15:43	01/19/24 17:13	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		01/16/24 15:43	01/19/24 17:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*	*01/16/24 15:43*	*01/19/24 17:13*	*1*

Client Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-5971-1
SDG: 03D2024239

Client Sample ID: BH08B
Date Collected: 01/12/24 12:50
Date Received: 01/12/24 13:52
Sample Depth: 4.5

Lab Sample ID: 890-5971-13
Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*01/16/24 15:43*	*01/19/24 17:13*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			01/19/24 17:13	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**580**		50.1	mg/Kg			01/17/24 04:27	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1	mg/Kg		01/16/24 13:44	01/17/24 04:27	1
Diesel Range Organics (Over C10-C28)	**481**		50.1	mg/Kg		01/16/24 13:44	01/17/24 04:27	1
Oil Range Organics (Over C28-C36)	**99.1**		50.1	mg/Kg		01/16/24 13:44	01/17/24 04:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*72*		*70 - 130*	*01/16/24 13:44*	*01/17/24 04:27*	*1*
o-Terphenyl	*72*		*70 - 130*	*01/16/24 13:44*	*01/17/24 04:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3650**		25.3	mg/Kg			01/16/24 21:49	5

Client Sample ID: BH09A
Date Collected: 01/12/24 12:55
Date Received: 01/12/24 13:52
Sample Depth: 1

Lab Sample ID: 890-5971-14
Matrix: Solid

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/16/24 15:43	01/19/24 17:33	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/16/24 15:43	01/19/24 17:33	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/16/24 15:43	01/19/24 17:33	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		01/16/24 15:43	01/19/24 17:33	1
o-Xylene	**0.00219**		0.00200	mg/Kg		01/16/24 15:43	01/19/24 17:33	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/16/24 15:43	01/19/24 17:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*73*		*70 - 130*	*01/16/24 15:43*	*01/19/24 17:33*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*01/16/24 15:43*	*01/19/24 17:33*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			01/19/24 17:33	1

Client Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-5971-1
SDG: 03D2024239

Client Sample ID: BH09A

Date Collected: 01/12/24 12:55
Date Received: 01/12/24 13:52
Sample Depth: 1

Lab Sample ID: 890-5971-14
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**73.3**		50.5		mg/Kg			01/17/24 00:17	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		01/16/24 13:44	01/17/24 00:17	1
Diesel Range Organics (Over C10-C28)	**73.3**		50.5		mg/Kg		01/16/24 13:44	01/17/24 00:17	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		01/16/24 13:44	01/17/24 00:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*73*		*70 - 130*	*01/16/24 13:44*	*01/17/24 00:17*	*1*
o-Terphenyl	*69*	*S1-*	*70 - 130*	*01/16/24 13:44*	*01/17/24 00:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**12.9**		4.97		mg/Kg			01/16/24 22:04	1

Client Sample ID: BH09B

Date Collected: 01/12/24 13:10
Date Received: 01/12/24 13:52
Sample Depth: 1.5

Lab Sample ID: 890-5971-15
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/16/24 15:43	01/19/24 17:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/16/24 15:43	01/19/24 17:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/16/24 15:43	01/19/24 17:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/16/24 15:43	01/19/24 17:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/16/24 15:43	01/19/24 17:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/16/24 15:43	01/19/24 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*01/16/24 15:43*	*01/19/24 17:54*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*01/16/24 15:43*	*01/19/24 17:54*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/19/24 17:54	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**97.7**		50.4		mg/Kg			01/17/24 00:40	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		01/16/24 13:44	01/17/24 00:40	1
Diesel Range Organics (Over C10-C28)	**97.7**		50.4		mg/Kg		01/16/24 13:44	01/17/24 00:40	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		01/16/24 13:44	01/17/24 00:40	1

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Client Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-5971-1
SDG: 03D2024239

Client Sample ID: BH09B
Date Collected: 01/12/24 13:10
Date Received: 01/12/24 13:52
Sample Depth: 1.5

Lab Sample ID: 890-5971-15
Matrix: Solid

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*77*		*70 - 130*	*01/16/24 13:44*	*01/17/24 00:40*	*1*
o-Terphenyl	*79*		*70 - 130*	*01/16/24 13:44*	*01/17/24 00:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**128**		4.95	mg/Kg			01/16/24 22:10	1

Client Sample ID: BH10A
Date Collected: 01/12/24 08:25
Date Received: 01/12/24 13:52
Sample Depth: 1

Lab Sample ID: 890-5971-16
Matrix: Solid

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/16/24 15:43	01/19/24 18:14	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/16/24 15:43	01/19/24 18:14	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/16/24 15:43	01/19/24 18:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		01/16/24 15:43	01/19/24 18:14	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/16/24 15:43	01/19/24 18:14	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/16/24 15:43	01/19/24 18:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*	*01/16/24 15:43*	*01/19/24 18:14*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*01/16/24 15:43*	*01/19/24 18:14*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/19/24 18:14	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**424**		50.2	mg/Kg			01/17/24 04:50	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2	mg/Kg		01/16/24 13:44	01/17/24 04:50	1
Diesel Range Organics (Over C10-C28)	**343**		50.2	mg/Kg		01/16/24 13:44	01/17/24 04:50	1
Oil Range Organics (Over C28-C36)	**81.3**		50.2	mg/Kg		01/16/24 13:44	01/17/24 04:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*01/16/24 13:44*	*01/17/24 04:50*	*1*
o-Terphenyl	*82*		*70 - 130*	*01/16/24 13:44*	*01/17/24 04:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**43.1**		5.02	mg/Kg			01/16/24 22:15	1

Client Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-5971-1
SDG: 03D2024239

Client Sample ID: BH10B
Date Collected: 01/12/24 08:40
Date Received: 01/12/24 13:52
Sample Depth: 4

Lab Sample ID: 890-5971-17
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/16/24 15:43	01/19/24 18:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/16/24 15:43	01/19/24 18:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/16/24 15:43	01/19/24 18:35	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/16/24 15:43	01/19/24 18:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/16/24 15:43	01/19/24 18:35	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/16/24 15:43	01/19/24 18:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*	*01/16/24 15:43*	*01/19/24 18:35*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*01/16/24 15:43*	*01/19/24 18:35*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/19/24 18:35	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**89.8**		50.0		mg/Kg			01/17/24 01:01	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/16/24 13:44	01/17/24 01:01	1
Diesel Range Organics (Over C10-C28)	**89.8**		50.0		mg/Kg		01/16/24 13:44	01/17/24 01:01	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/16/24 13:44	01/17/24 01:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*76*		*70 - 130*	*01/16/24 13:44*	*01/17/24 01:01*	*1*
o-Terphenyl	*73*		*70 - 130*	*01/16/24 13:44*	*01/17/24 01:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**198**		4.98		mg/Kg			01/16/24 22:20	1

Client Sample ID: BH11
Date Collected: 01/12/24 09:00
Date Received: 01/12/24 13:52
Sample Depth: 1

Lab Sample ID: 890-5971-18
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.352**		0.201		mg/Kg		01/16/24 15:43	01/19/24 19:16	100
Toluene	**3.29**		0.201		mg/Kg		01/16/24 15:43	01/19/24 19:16	100
Ethylbenzene	**0.985**		0.201		mg/Kg		01/16/24 15:43	01/19/24 19:16	100
m-Xylene & p-Xylene	**1.74**		0.402		mg/Kg		01/16/24 15:43	01/19/24 19:16	100
o-Xylene	**0.694**		0.201		mg/Kg		01/16/24 15:43	01/19/24 19:16	100
Xylenes, Total	**2.43**		0.402		mg/Kg		01/16/24 15:43	01/19/24 19:16	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*01/16/24 15:43*	*01/19/24 19:16*	*100*

Client Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-5971-1
SDG: 03D2024239

Client Sample ID: BH11

Lab Sample ID: 890-5971-18
Matrix: Solid
Date Collected: 01/12/24 09:00
Date Received: 01/12/24 13:52
Sample Depth: 1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*01/16/24 15:43*	*01/19/24 19:16*	*100*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**7.06**		0.402	mg/Kg			01/19/24 19:16	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**3250**		49.7	mg/Kg			01/17/24 03:18	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**1060**		49.7	mg/Kg		01/16/24 13:44	01/17/24 03:18	1
Diesel Range Organics (Over C10-C28)	**1920**		49.7	mg/Kg		01/16/24 13:44	01/17/24 03:18	1
OII Range Organics (Over C28-C36)	**273**		49.7	mg/Kg		01/16/24 13:44	01/17/24 03:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*89*		*70 - 130*	*01/16/24 13:44*	*01/17/24 03:18*	*1*
o-Terphenyl	*73*		*70 - 130*	*01/16/24 13:44*	*01/17/24 03:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4500**		49.9	mg/Kg			01/16/24 22:25	10

Client Sample ID: BH12

Lab Sample ID: 890-5971-19
Matrix: Solid
Date Collected: 01/12/24 09:15
Date Received: 01/12/24 13:52
Sample Depth: 4

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.200	U	0.200	mg/Kg		01/16/24 15:43	01/19/24 19:36	100
Toluene	**0.258**		0.200	mg/Kg		01/16/24 15:43	01/19/24 19:36	100
Ethylbenzene	<0.200	U	0.200	mg/Kg		01/16/24 15:43	01/19/24 19:36	100
m-Xylene & p-Xylene	**0.718**		0.401	mg/Kg		01/16/24 15:43	01/19/24 19:36	100
o-Xylene	**0.341**		0.200	mg/Kg		01/16/24 15:43	01/19/24 19:36	100
Xylenes, Total	**1.06**		0.401	mg/Kg		01/16/24 15:43	01/19/24 19:36	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*01/16/24 15:43*	*01/19/24 19:36*	*100*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*01/16/24 15:43*	*01/19/24 19:36*	*100*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**1.32**		0.401	mg/Kg			01/19/24 19:36	1

Client Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-5971-1
SDG: 03D2024239

Client Sample ID: BH12

Date Collected: 01/12/24 09:15
Date Received: 01/12/24 13:52
Sample Depth: 4

Lab Sample ID: 890-5971-19
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1910		49.6		mg/Kg			01/17/24 04:05	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	503		49.6		mg/Kg		01/16/24 13:44	01/17/24 04:05	1
Diesel Range Organics (Over C10-C28)	1220		49.6		mg/Kg		01/16/24 13:44	01/17/24 04:05	1
Oil Range Organics (Over C28-C36)	183		49.6		mg/Kg		01/16/24 13:44	01/17/24 04:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*01/16/24 13:44*	*01/17/24 04:05*	*1*
o-Terphenyl	*76*		*70 - 130*	*01/16/24 13:44*	*01/17/24 04:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5210		50.3		mg/Kg			01/16/24 22:30	10

Client Sample ID: BH13A

Date Collected: 01/12/24 09:40
Date Received: 01/12/24 13:52
Sample Depth: 1

Lab Sample ID: 890-5971-20
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.199	U	0.199		mg/Kg		01/16/24 15:43	01/19/24 19:57	100
Toluene	1.19		0.199		mg/Kg		01/16/24 15:43	01/19/24 19:57	100
Ethylbenzene	0.444		0.199		mg/Kg		01/16/24 15:43	01/19/24 19:57	100
m-Xylene & p-Xylene	0.650		0.398		mg/Kg		01/16/24 15:43	01/19/24 19:57	100
o-Xylene	0.288		0.199		mg/Kg		01/16/24 15:43	01/19/24 19:57	100
Xylenes, Total	0.938		0.398		mg/Kg		01/16/24 15:43	01/19/24 19:57	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*55*	*S1-*	*70 - 130*	*01/16/24 15:43*	*01/19/24 19:57*	*100*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*01/16/24 15:43*	*01/19/24 19:57*	*100*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	2.57		0.398		mg/Kg			01/19/24 19:57	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	4680		252		mg/Kg			01/17/24 02:56	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1120		252		mg/Kg		01/16/24 13:44	01/17/24 02:56	5
Diesel Range Organics (Over C10-C28)	3050		252		mg/Kg		01/16/24 13:44	01/17/24 02:56	5

Client Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-5971-1
SDG: 03D2024239

Client Sample ID: BH13A

Date Collected: 01/12/24 09:40
Date Received: 01/12/24 13:52
Sample Depth: 1

Lab Sample ID: 890-5971-20
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	508		252		mg/Kg		01/16/24 13:44	01/17/24 02:56	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*78*		*70 - 130*	*01/16/24 13:44*	*01/17/24 02:56*	*5*
o-Terphenyl	*71*		*70 - 130*	*01/16/24 13:44*	*01/17/24 02:56*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	478		5.00		mg/Kg			01/16/24 22:35	1

Client Sample ID: BH13B

Date Collected: 01/12/24 09:45
Date Received: 01/12/24 13:52
Sample Depth: 1

Lab Sample ID: 890-5971-21
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2.67		0.996		mg/Kg		01/18/24 09:37	01/18/24 15:40	500
Toluene	71.7		0.996		mg/Kg		01/18/24 09:37	01/18/24 15:40	500
Ethylbenzene	35.2		0.996		mg/Kg		01/18/24 09:37	01/18/24 15:40	500
m-Xylene & p-Xylene	74.8		1.99		mg/Kg		01/18/24 09:37	01/18/24 15:40	500
o-Xylene	49.4		0.996		mg/Kg		01/18/24 09:37	01/18/24 15:40	500
Xylenes, Total	124		1.99		mg/Kg		01/18/24 09:37	01/18/24 15:40	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*70 - 130*	*01/18/24 09:37*	*01/18/24 15:40*	*500*
1,4-Difluorobenzene (Surr)	*69*	*S1-*	*70 - 130*	*01/18/24 09:37*	*01/18/24 15:40*	*500*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	234		1.99		mg/Kg			01/18/24 15:40	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	6600		248		mg/Kg			01/16/24 18:39	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1440		248		mg/Kg		01/16/24 09:27	01/16/24 18:39	5
Diesel Range Organics (Over C10-C28)	5160	*1	248		mg/Kg		01/16/24 09:27	01/16/24 18:39	5
Oll Range Organics (Over C28-C36)	<248	U	248		mg/Kg		01/16/24 09:27	01/16/24 18:39	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*01/16/24 09:27*	*01/16/24 18:39*	*5*
o-Terphenyl	*85*		*70 - 130*	*01/16/24 09:27*	*01/16/24 18:39*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1770		24.9		mg/Kg			01/16/24 19:18	5

Client Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-5971-1
SDG: 03D2024239

Client Sample ID: BH14A

Date Collected: 01/12/24 10:20
Date Received: 01/12/24 13:52
Sample Depth: 1

Lab Sample ID: 890-5971-22
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/18/24 09:37	01/18/24 19:32	1
Toluene	**0.00485**		0.00199		mg/Kg		01/18/24 09:37	01/18/24 19:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/18/24 09:37	01/18/24 19:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/18/24 09:37	01/18/24 19:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/18/24 09:37	01/18/24 19:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/18/24 09:37	01/18/24 19:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*01/18/24 09:37*	*01/18/24 19:32*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*01/18/24 09:37*	*01/18/24 19:32*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00485**		0.00398		mg/Kg			01/18/24 19:32	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**437**		49.8		mg/Kg			01/16/24 19:01	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/16/24 09:27	01/16/24 19:01	1
Diesel Range Organics (Over C10-C28)	**437**	***1**	49.8		mg/Kg		01/16/24 09:27	01/16/24 19:01	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/16/24 09:27	01/16/24 19:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*01/16/24 09:27*	*01/16/24 19:01*	*1*
o-Terphenyl	*91*		*70 - 130*	*01/16/24 09:27*	*01/16/24 19:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3770**		25.0		mg/Kg			01/16/24 19:23	5

Client Sample ID: BH14B

Date Collected: 01/12/24 10:25
Date Received: 01/12/24 13:52
Sample Depth: 2

Lab Sample ID: 890-5971-23
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/18/24 09:37	01/18/24 19:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/18/24 09:37	01/18/24 19:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/18/24 09:37	01/18/24 19:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/18/24 09:37	01/18/24 19:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/18/24 09:37	01/18/24 19:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/18/24 09:37	01/18/24 19:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*01/18/24 09:37*	*01/18/24 19:52*	*1*

Client Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-5971-1
SDG: 03D2024239

Client Sample ID: BH14B
Date Collected: 01/12/24 10:25
Date Received: 01/12/24 13:52
Sample Depth: 2

Lab Sample ID: 890-5971-23
Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*01/18/24 09:37*	*01/18/24 19:52*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/18/24 19:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			01/17/24 18:46	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		01/16/24 16:03	01/17/24 18:46	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		01/16/24 16:03	01/17/24 18:46	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		01/16/24 16:03	01/17/24 18:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*81*		*70 - 130*	*01/16/24 16:03*	*01/17/24 18:46*	*1*
o-Terphenyl	*81*		*70 - 130*	*01/16/24 16:03*	*01/17/24 18:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5440**		50.0		mg/Kg			01/16/24 19:28	10

Surrogate Summary

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-5971-1
SDG: 03D2024239

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-5971-2	BH03B	74	86
890-5971-2 MS	BH03B	84	81
890-5971-2 MSD	BH03B	88	94
890-5971-3	BH04A	88	89
890-5971-4	BH04B	76	91
890-5971-5	BH04C	84	80
890-5971-6	BH05A	112	103
890-5971-7	BH05B	116	107
890-5971-8	BH06A	117	96
890-5971-9	BH06B	123	97
890-5971-10	BH07A	90	98
890-5971-11	BH07B	72	88
890-5971-12	BH08A	110	86
890-5971-13	BH08B	82	84
890-5971-14	BH09A	73	76
890-5971-15	BH09B	78	79
890-5971-16	BH10A	79	79
890-5971-17	BH10B	79	75
890-5971-18	BH11	86	99
890-5971-19	BH12	100	91
890-5971-20	BH13A	55 S1-	96
890-5971-21	BH13B	80	69 S1-
890-5971-22	BH14A	98	96
890-5971-23	BH14B	104	106
890-5972-A-1-G MS	Matrix Spike	109	121
890-5972-A-1-H MSD	Matrix Spike Duplicate	114	101
890-5975-A-1-C MS	Matrix Spike	95	97
890-5975-A-1-D MSD	Matrix Spike Duplicate	107	102
890-5989-A-13-C MS	Matrix Spike	121	116
890-5989-A-13-D MSD	Matrix Spike Duplicate	121	111
LCS 880-71027/1-A	Lab Control Sample	107	102
LCS 880-71092/1-A	Lab Control Sample	93	104
LCS 880-71132/1-A	Lab Control Sample	103	103
LCS 880-71338/1-A	Lab Control Sample	128	115
LCSD 880-71027/2-A	Lab Control Sample Dup	106	112
LCSD 880-71092/2-A	Lab Control Sample Dup	103	98
LCSD 880-71132/2-A	Lab Control Sample Dup	113	103
LCSD 880-71338/2-A	Lab Control Sample Dup	119	116
MB 880-71027/5-A	Method Blank	72	91
MB 880-71092/5-A	Method Blank	125	146 S1+
MB 880-71132/5-A	Method Blank	118	121
MB 880-71133/5-A	Method Blank	138 S1+	133 S1+
MB 880-71335/5-A	Method Blank	72	92
MB 880-71338/5-A	Method Blank	73	93

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

Surrogate Summary

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-5971-1
SDG: 03D2024239

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-37989-A-21-C MS	Matrix Spike	87	83
880-37989-A-21-D MSD	Matrix Spike Duplicate	99	92
890-5971-2	BH03B	79	76
890-5971-2 MS	BH03B	71	65 S1-
890-5971-2 MSD	BH03B	74	65 S1-
890-5971-3	BH04A	76	73
890-5971-4	BH04B	74	72
890-5971-5	BH04C	92	89
890-5971-6	BH05A	103	97
890-5971-7	BH05B	81	78
890-5971-8	BH06A	92	75
890-5971-9	BH06B	82	85
890-5971-10	BH07A	79	69 S1-
890-5971-11	BH07B	69 S1-	70
890-5971-12	BH08A	75	75
890-5971-13	BH08B	72	72
890-5971-14	BH09A	73	69 S1-
890-5971-15	BH09B	77	79
890-5971-16	BH10A	79	82
890-5971-17	BH10B	76	73
890-5971-18	BH11	89	73
890-5971-19	BH12	87	76
890-5971-20	BH13A	78	71
890-5971-21	BH13B	107	85
890-5971-22	BH14A	83	91
890-5971-23	BH14B	81	81
890-5972-A-1-E MS	Matrix Spike	63 S1-	60 S1-
890-5972-A-1-F MSD	Matrix Spike Duplicate	76	73
LCS 880-70975/2-A	Lab Control Sample	128	141 S1+
LCS 880-71002/2-A	Lab Control Sample	112	128
LCS 880-71029/2-A	Lab Control Sample	90	104
LCSD 880-70975/3-A	Lab Control Sample Dup	98	110
LCSD 880-71002/3-A	Lab Control Sample Dup	112	129
LCSD 880-71029/3-A	Lab Control Sample Dup	84	98
MB 880-70975/1-A	Method Blank	83	102
MB 880-71002/1-A	Method Blank	99	110
MB 880-71029/1-A - RA2	Method Blank	85	91

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-5971-1
SDG: 03D2024239

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-71027/5-A
Matrix: Solid
Analysis Batch: 71153

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 71027

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/16/24 15:43	01/19/24 12:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/16/24 15:43	01/19/24 12:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/16/24 15:43	01/19/24 12:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/16/24 15:43	01/19/24 12:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/16/24 15:43	01/19/24 12:03	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/16/24 15:43	01/19/24 12:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*72*		*70 - 130*	*01/16/24 15:43*	*01/19/24 12:03*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*01/16/24 15:43*	*01/19/24 12:03*	*1*

Lab Sample ID: LCS 880-71027/1-A
Matrix: Solid
Analysis Batch: 71153

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 71027

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1085		mg/Kg		108	70 - 130		
Toluene			0.100	0.1007		mg/Kg		101	70 - 130		
Ethylbenzene			0.100	0.1114		mg/Kg		111	70 - 130		
m-Xylene & p-Xylene			0.200	0.2246		mg/Kg		112	70 - 130		
o-Xylene			0.100	0.1081		mg/Kg		108	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: LCSD 880-71027/2-A
Matrix: Solid
Analysis Batch: 71153

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 71027

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1119		mg/Kg		112	70 - 130	3	35
Toluene			0.100	0.1014		mg/Kg		101	70 - 130	1	35
Ethylbenzene			0.100	0.1103		mg/Kg		110	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.2285		mg/Kg		114	70 - 130	2	35
o-Xylene			0.100	0.1114		mg/Kg		111	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*

Lab Sample ID: 890-5971-2 MS
Matrix: Solid
Analysis Batch: 71153

Client Sample ID: BH03B
Prep Type: Total/NA
Prep Batch: 71027

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U F1	0.0996	0.02528	F1	mg/Kg		25	70 - 130		
Toluene	<0.00199	U F1	0.0996	0.01717	F1	mg/Kg		17	70 - 130		

QC Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-5971-1
SDG: 03D2024239

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

Lab Sample ID: 890-5971-2 MS
Matrix: Solid
Analysis Batch: 71153

Client Sample ID: BH03B
Prep Type: Total/NA
Prep Batch: 71027

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U F1	0.0996	0.01232	F1	mg/Kg		12	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1	0.199	0.01761	F1	mg/Kg		9	70 - 130
o-Xylene	<0.00199	U F1	0.0996	0.01412	F1	mg/Kg		14	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*

Lab Sample ID: 890-5971-2 MSD
Matrix: Solid
Analysis Batch: 71153

Client Sample ID: BH03B
Prep Type: Total/NA
Prep Batch: 71027

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.0990	0.02197	F1	mg/Kg		22	70 - 130	14	35
Toluene	<0.00199	U F1	0.0990	0.01355	F1	mg/Kg		14	70 - 130	24	35
Ethylbenzene	<0.00199	U F1	0.0990	0.009591	F1	mg/Kg		10	70 - 130	25	35
m-Xylene & p-Xylene	<0.00398	U F1	0.198	0.01437	F1	mg/Kg		7	70 - 130	20	35
o-Xylene	<0.00199	U F1	0.0990	0.01190	F1	mg/Kg		12	70 - 130	17	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: MB 880-71092/5-A
Matrix: Solid
Analysis Batch: 71087

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 71092

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/18/24 09:37	01/18/24 11:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/18/24 09:37	01/18/24 11:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/18/24 09:37	01/18/24 11:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/18/24 09:37	01/18/24 11:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/18/24 09:37	01/18/24 11:28	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/18/24 09:37	01/18/24 11:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*01/18/24 09:37*	*01/18/24 11:28*	*1*
1,4-Difluorobenzene (Surr)	*146*	*S1+*	*70 - 130*	*01/18/24 09:37*	*01/18/24 11:28*	*1*

Lab Sample ID: LCS 880-71092/1-A
Matrix: Solid
Analysis Batch: 71087

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 71092

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene			0.100	0.1076		mg/Kg		108	70 - 130
Toluene			0.100	0.1029		mg/Kg		103	70 - 130
Ethylbenzene			0.100	0.09780		mg/Kg		98	70 - 130
m-Xylene & p-Xylene			0.200	0.2105		mg/Kg		105	70 - 130

QC Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-5971-1
SDG: 03D2024239

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

Lab Sample ID: LCS 880-71092/1-A
Matrix: Solid
Analysis Batch: 71087

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 71092

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.1046		mg/Kg		105	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: LCSD 880-71092/2-A
Matrix: Solid
Analysis Batch: 71087

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 71092

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1026		mg/Kg		103	70 - 130	5	35
Toluene			0.100	0.09557		mg/Kg		96	70 - 130	7	35
Ethylbenzene			0.100	0.09616		mg/Kg		96	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.2111		mg/Kg		106	70 - 130	0	35
o-Xylene			0.100	0.1054		mg/Kg		105	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: 890-5975-A-1-C MS
Matrix: Solid
Analysis Batch: 71087

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 71092

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U	0.0996	0.1026		mg/Kg		103	70 - 130		
Toluene	<0.00199	U	0.0996	0.09372		mg/Kg		94	70 - 130		
Ethylbenzene	<0.00199	U	0.0996	0.08595		mg/Kg		86	70 - 130		
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1735		mg/Kg		87	70 - 130		
o-Xylene	<0.00199	U	0.0996	0.09429		mg/Kg		94	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: 890-5975-A-1-D MSD
Matrix: Solid
Analysis Batch: 71087

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 71092

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0990	0.1004		mg/Kg		101	70 - 130	2	35
Toluene	<0.00199	U	0.0990	0.09078		mg/Kg		92	70 - 130	3	35
Ethylbenzene	<0.00199	U	0.0990	0.09219		mg/Kg		93	70 - 130	7	35
m-Xylene & p-Xylene	<0.00398	U	0.198	0.2034		mg/Kg		103	70 - 130	16	35
o-Xylene	<0.00199	U	0.0990	0.09806		mg/Kg		98	70 - 130	4	35

QC Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-5971-1
SDG: 03D2024239

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

Lab Sample ID: 890-5975-A-1-D MSD
Matrix: Solid
Analysis Batch: 71087

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 71092

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: MB 880-71132/5-A
Matrix: Solid
Analysis Batch: 71154

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 71132

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/18/24 14:53	01/19/24 23:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/18/24 14:53	01/19/24 23:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/18/24 14:53	01/19/24 23:48	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/18/24 14:53	01/19/24 23:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/18/24 14:53	01/19/24 23:48	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/18/24 14:53	01/19/24 23:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	01/18/24 14:53	01/19/24 23:48	1
1,4-Difluorobenzene (Surr)	121		70 - 130	01/18/24 14:53	01/19/24 23:48	1

Lab Sample ID: LCS 880-71132/1-A
Matrix: Solid
Analysis Batch: 71154

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 71132

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1244		mg/Kg		124	70 - 130		
Toluene			0.100	0.1072		mg/Kg		107	70 - 130		
Ethylbenzene			0.100	0.1125		mg/Kg		113	70 - 130		
m-Xylene & p-Xylene			0.200	0.2409		mg/Kg		120	70 - 130		
o-Xylene			0.100	0.1172		mg/Kg		117	70 - 130		

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

Lab Sample ID: LCSD 880-71132/2-A
Matrix: Solid
Analysis Batch: 71154

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 71132

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1267		mg/Kg		127	70 - 130	2	35
Toluene			0.100	0.1122		mg/Kg		112	70 - 130	5	35
Ethylbenzene			0.100	0.1228		mg/Kg		123	70 - 130	9	35
m-Xylene & p-Xylene			0.200	0.2716	*+	mg/Kg		136	70 - 130	12	35
o-Xylene			0.100	0.1277		mg/Kg		128	70 - 130	9	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130

QC Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-5971-1
SDG: 03D2024239

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

Lab Sample ID: LCSD 880-71132/2-A
Matrix: Solid
Analysis Batch: 71154

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 71132

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

Lab Sample ID: 890-5972-A-1-G MS
Matrix: Solid
Analysis Batch: 71154

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 71132

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.1265		mg/Kg		126	70 - 130
Toluene	<0.00201	U	0.100	0.08455		mg/Kg		84	70 - 130
Ethylbenzene	<0.00201	U	0.100	0.09492		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	<0.00402	U *+ F1	0.200	0.2367		mg/Kg		118	70 - 130
o-Xylene	<0.00201	U F1	0.100	0.1198		mg/Kg		120	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	121		70 - 130

Lab Sample ID: 890-5972-A-1-H MSD
Matrix: Solid
Analysis Batch: 71154

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 71132

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0996	0.1210		mg/Kg		121	70 - 130	4	35
Toluene	<0.00201	U	0.0996	0.1060		mg/Kg		106	70 - 130	23	35
Ethylbenzene	<0.00201	U	0.0996	0.1118		mg/Kg		112	70 - 130	16	35
m-Xylene & p-Xylene	<0.00402	U *+ F1	0.199	0.2654	F1	mg/Kg		133	70 - 130	11	35
o-Xylene	<0.00201	U F1	0.0996	0.1340	F1	mg/Kg		135	70 - 130	11	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: MB 880-71133/5-A
Matrix: Solid
Analysis Batch: 71154

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 71133

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/18/24 14:55	01/19/24 12:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/18/24 14:55	01/19/24 12:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/18/24 14:55	01/19/24 12:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/18/24 14:55	01/19/24 12:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/18/24 14:55	01/19/24 12:11	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/18/24 14:55	01/19/24 12:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130	01/18/24 14:55	01/19/24 12:11	1
1,4-Difluorobenzene (Surr)	133	S1+	70 - 130	01/18/24 14:55	01/19/24 12:11	1

QC Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-5971-1
SDG: 03D2024239

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

Lab Sample ID: MB 880-71335/5-A
Matrix: Solid
Analysis Batch: 71404

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 71335

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/22/24 13:35	01/23/24 11:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/22/24 13:35	01/23/24 11:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/22/24 13:35	01/23/24 11:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/22/24 13:35	01/23/24 11:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/22/24 13:35	01/23/24 11:03	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/22/24 13:35	01/23/24 11:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*72*		*70 - 130*	*01/22/24 13:35*	*01/23/24 11:03*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*01/22/24 13:35*	*01/23/24 11:03*	*1*

Lab Sample ID: MB 880-71338/5-A
Matrix: Solid
Analysis Batch: 71404

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 71338

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/22/24 14:19	01/23/24 21:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/22/24 14:19	01/23/24 21:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/22/24 14:19	01/23/24 21:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/22/24 14:19	01/23/24 21:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/22/24 14:19	01/23/24 21:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/22/24 14:19	01/23/24 21:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*73*		*70 - 130*	*01/22/24 14:19*	*01/23/24 21:41*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*01/22/24 14:19*	*01/23/24 21:41*	*1*

Lab Sample ID: LCS 880-71338/1-A
Matrix: Solid
Analysis Batch: 71404

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 71338

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1188		mg/Kg		119	70 - 130		
Toluene			0.100	0.1054		mg/Kg		105	70 - 130		
Ethylbenzene			0.100	0.1132		mg/Kg		113	70 - 130		
m-Xylene & p-Xylene			0.200	0.2352		mg/Kg		118	70 - 130		
o-Xylene			0.100	0.1170		mg/Kg		117	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*

Lab Sample ID: LCSD 880-71338/2-A
Matrix: Solid
Analysis Batch: 71404

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 71338

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1134		mg/Kg		113	70 - 130	5	35

QC Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-5971-1
SDG: 03D2024239

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

Lab Sample ID: LCSD 880-71338/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 71404 — **Prep Batch: 71338**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.1019		mg/Kg		102	70 - 130	3	35
Ethylbenzene			0.100	0.1080		mg/Kg		108	70 - 130	5	35
m-Xylene & p-Xylene			0.200	0.2221		mg/Kg		111	70 - 130	6	35
o-Xylene			0.100	0.1102		mg/Kg		110	70 - 130	6	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*

Lab Sample ID: 890-5989-A-13-C MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 71404 — **Prep Batch: 71338**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0990	0.1015		mg/Kg		103	70 - 130
Toluene	<0.00200	U	0.0990	0.08841		mg/Kg		89	70 - 130
Ethylbenzene	<0.00200	U	0.0990	0.09352		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.198	0.1947		mg/Kg		98	70 - 130
o-Xylene	<0.00200	U	0.0990	0.09589		mg/Kg		97	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*

Lab Sample ID: 890-5989-A-13-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 71404 — **Prep Batch: 71338**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0996	0.1104		mg/Kg		111	70 - 130	8	35
Toluene	<0.00200	U	0.0996	0.09672		mg/Kg		97	70 - 130	9	35
Ethylbenzene	<0.00200	U	0.0996	0.1065		mg/Kg		107	70 - 130	13	35
m-Xylene & p-Xylene	<0.00401	U	0.199	0.2177		mg/Kg		109	70 - 130	11	35
o-Xylene	<0.00200	U	0.0996	0.1064		mg/Kg		107	70 - 130	10	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*

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

Lab Sample ID: MB 880-70975/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 70963 — **Prep Batch: 70975**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/16/24 08:00	01/16/24 08:21	1

QC Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-5971-1
SDG: 03D2024239

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

Lab Sample ID: MB 880-70975/1-A
Matrix: Solid
Analysis Batch: 70963

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 70975

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/16/24 08:00	01/16/24 08:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/16/24 08:00	01/16/24 08:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*01/16/24 08:00*	*01/16/24 08:21*	*1*
o-Terphenyl	*102*		*70 - 130*	*01/16/24 08:00*	*01/16/24 08:21*	*1*

Lab Sample ID: LCS 880-70975/2-A
Matrix: Solid
Analysis Batch: 70963

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 70975

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1009		mg/Kg		101	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1263		mg/Kg		126	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*128*		*70 - 130*
o-Terphenyl	*141*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-70975/3-A
Matrix: Solid
Analysis Batch: 70963

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 70975

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	863.7		mg/Kg		86	70 - 130	15	20
Diesel Range Organics (Over C10-C28)			1000	992.5	*1	mg/Kg		99	70 - 130	24	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*98*		*70 - 130*
o-Terphenyl	*110*		*70 - 130*

Lab Sample ID: 880-37989-A-21-C MS
Matrix: Solid
Analysis Batch: 70963

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 70975

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	1010	796.7		mg/Kg		76	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.5	U *1	1010	971.5		mg/Kg		94	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*87*		*70 - 130*
o-Terphenyl	*83*		*70 - 130*

QC Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-5971-1
SDG: 03D2024239

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

Lab Sample ID: 880-37989-A-21-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 70963 — **Prep Batch: 70975**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	1010	967.1		mg/Kg		93	70 - 130	19	20
Diesel Range Organics (Over C10-C28)	<50.5	U *1	1010	1098		mg/Kg		107	70 - 130	12	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*99*		*70 - 130*
o-Terphenyl	*92*		*70 - 130*

Lab Sample ID: MB 880-71002/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 70961 — **Prep Batch: 71002**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/16/24 13:44	01/16/24 19:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/16/24 13:44	01/16/24 19:44	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/16/24 13:44	01/16/24 19:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*01/16/24 13:44*	*01/16/24 19:44*	*1*
o-Terphenyl	*110*		*70 - 130*	*01/16/24 13:44*	*01/16/24 19:44*	*1*

Lab Sample ID: LCS 880-71002/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 70961 — **Prep Batch: 71002**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1022		mg/Kg		102	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1063		mg/Kg		106	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*112*		*70 - 130*
o-Terphenyl	*128*		*70 - 130*

Lab Sample ID: LCSD 880-71002/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 70961 — **Prep Batch: 71002**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	905.8		mg/Kg		91	70 - 130	12	20
Diesel Range Organics (Over C10-C28)			1000	1082		mg/Kg		108	70 - 130	2	20

QC Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-5971-1
SDG: 03D2024239

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

Lab Sample ID: LCSD 880-71002/3-A
Matrix: Solid
Analysis Batch: 70961

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 71002

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*112*		*70 - 130*
o-Terphenyl	*129*		*70 - 130*

Lab Sample ID: 890-5971-2 MS
Matrix: Solid
Analysis Batch: 70961

Client Sample ID: BH03B
Prep Type: Total/NA
Prep Batch: 71002

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U F1	1000	673.7	F1	mg/Kg		65	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U F1	1000	678.0	F1	mg/Kg		64	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*71*		*70 - 130*
o-Terphenyl	*65*	*S1-*	*70 - 130*

Lab Sample ID: 890-5971-2 MSD
Matrix: Solid
Analysis Batch: 70961

Client Sample ID: BH03B
Prep Type: Total/NA
Prep Batch: 71002

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U F1	1000	698.8	F1	mg/Kg		67	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<49.8	U F1	1000	688.8	F1	mg/Kg		65	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*74*		*70 - 130*
o-Terphenyl	*65*	*S1-*	*70 - 130*

Lab Sample ID: LCS 880-71029/2-A
Matrix: Solid
Analysis Batch: 71032

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 71029

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	823.0		mg/Kg		82	70 - 130
Diesel Range Organics (Over C10-C28)	1000	852.7		mg/Kg		85	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*90*		*70 - 130*
o-Terphenyl	*104*		*70 - 130*

QC Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-5971-1
SDG: 03D2024239

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

Lab Sample ID: LCSD 880-71029/3-A
Matrix: Solid
Analysis Batch: 71032

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 71029

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	858.5		mg/Kg		86	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	807.3		mg/Kg		81	70 - 130	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*84*		*70 - 130*
o-Terphenyl	*98*		*70 - 130*

Lab Sample ID: 890-5972-A-1-E MS
Matrix: Solid
Analysis Batch: 71032

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 71029

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.7	U F1	1000	667.6	F1	mg/Kg		62	70 - 130
Diesel Range Organics (Over C10-C28)	<49.7	U F1 F2	1000	635.5	F1	mg/Kg		63	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*63*	*S1-*	*70 - 130*
o-Terphenyl	*60*	*S1-*	*70 - 130*

Lab Sample ID: 890-5972-A-1-F MSD
Matrix: Solid
Analysis Batch: 71032

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 71029

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.7	U F1	1000	785.7		mg/Kg		74	70 - 130	16	20
Diesel Range Organics (Over C10-C28)	<49.7	U F1 F2	1000	796.8	F2	mg/Kg		80	70 - 130	23	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*76*		*70 - 130*
o-Terphenyl	*73*		*70 - 130*

Method: 8015B NM - Diesel Range Organics (DRO) (GC) - RA2

Lab Sample ID: MB 880-71029/1-A
Matrix: Solid
Analysis Batch: 71032

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 71029

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10 - RA2	<50.0	U	50.0		mg/Kg		01/16/24 16:03	01/17/24 08:01	1
Diesel Range Organics (Over C10-C28) - RA2	<50.0	U	50.0		mg/Kg		01/16/24 16:03	01/17/24 08:01	1
Oil Range Organics (Over C28-C36) - RA2	<50.0	U	50.0		mg/Kg		01/16/24 16:03	01/17/24 08:01	1

QC Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-5971-1
SDG: 03D2024239

Method: 8015B NM - Diesel Range Organics (DRO) (GC) - RA2 (Continued)

Lab Sample ID: MB 880-71029/1-A
Matrix: Solid
Analysis Batch: 71032

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 71029

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane - RA2	85		70 - 130	01/16/24 16:03	01/17/24 08:01	1
o-Terphenyl - RA2	91		70 - 130	01/16/24 16:03	01/17/24 08:01	1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-70836/1-A
Matrix: Solid
Analysis Batch: 71039

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			01/16/24 17:09	1

Lab Sample ID: LCS 880-70836/2-A
Matrix: Solid
Analysis Batch: 71039

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	239.6		mg/Kg		96	90 - 110		

Lab Sample ID: LCSD 880-70836/3-A
Matrix: Solid
Analysis Batch: 71039

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	240.6		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 880-37950-A-1-B MS
Matrix: Solid
Analysis Batch: 71039

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	23500		12500	35800		mg/Kg		98	90 - 110		

Lab Sample ID: 880-37950-A-1-C MSD
Matrix: Solid
Analysis Batch: 71039

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	23500		12500	35810		mg/Kg		98	90 - 110	0	20

Lab Sample ID: MB 880-70835/1-A
Matrix: Solid
Analysis Batch: 71040

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			01/16/24 20:01	1

QC Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-5971-1
SDG: 03D2024239

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-70835/2-A
Matrix: Solid
Analysis Batch: 71040

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	239.1		mg/Kg		96	90 - 110		

Lab Sample ID: LCSD 880-70835/3-A
Matrix: Solid
Analysis Batch: 71040

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	242.3		mg/Kg		97	90 - 110	1	20

Lab Sample ID: 890-5971-11 MS
Matrix: Solid
Analysis Batch: 71040

Client Sample ID: BH07B
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	165		250	408.4		mg/Kg		97	90 - 110		

Lab Sample ID: 890-5971-11 MSD
Matrix: Solid
Analysis Batch: 71040

Client Sample ID: BH07B
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	165		250	410.0		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 890-5971-A-1-B MS
Matrix: Solid
Analysis Batch: 71040

Client Sample ID: 890-5971-A-1-B MS
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	829		1250	2109		mg/Kg		103	90 - 110		

Lab Sample ID: 890-5971-A-1-C MSD
Matrix: Solid
Analysis Batch: 71040

Client Sample ID: 890-5971-A-1-C MSD
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	829		1250	2124		mg/Kg		104	90 - 110	1	20

QC Association Summary

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-5971-1
SDG: 03D2024239

GC VOA

Prep Batch: 71027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5971-2	BH03B	Total/NA	Solid	5035	
890-5971-3	BH04A	Total/NA	Solid	5035	
890-5971-4	BH04B	Total/NA	Solid	5035	
890-5971-5	BH04C	Total/NA	Solid	5035	
890-5971-6	BH05A	Total/NA	Solid	5035	
890-5971-8	BH06A	Total/NA	Solid	5035	
890-5971-10	BH07A	Total/NA	Solid	5035	
890-5971-11	BH07B	Total/NA	Solid	5035	
890-5971-13	BH08B	Total/NA	Solid	5035	
890-5971-14	BH09A	Total/NA	Solid	5035	
890-5971-15	BH09B	Total/NA	Solid	5035	
890-5971-16	BH10A	Total/NA	Solid	5035	
890-5971-17	BH10B	Total/NA	Solid	5035	
890-5971-18	BH11	Total/NA	Solid	5035	
890-5971-19	BH12	Total/NA	Solid	5035	
890-5971-20	BH13A	Total/NA	Solid	5035	
MB 880-71027/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-71027/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-71027/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-5971-2 MS	BH03B	Total/NA	Solid	5035	
890-5971-2 MSD	BH03B	Total/NA	Solid	5035	

Analysis Batch: 71087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5971-21	BH13B	Total/NA	Solid	8021B	71092
890-5971-22	BH14A	Total/NA	Solid	8021B	71092
890-5971-23	BH14B	Total/NA	Solid	8021B	71092
MB 880-71092/5-A	Method Blank	Total/NA	Solid	8021B	71092
LCS 880-71092/1-A	Lab Control Sample	Total/NA	Solid	8021B	71092
LCSD 880-71092/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	71092
890-5975-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	71092
890-5975-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	71092

Prep Batch: 71092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5971-21	BH13B	Total/NA	Solid	5035	
890-5971-22	BH14A	Total/NA	Solid	5035	
890-5971-23	BH14B	Total/NA	Solid	5035	
MB 880-71092/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-71092/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-71092/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-5975-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
890-5975-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 71132

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5971-7	BH05B	Total/NA	Solid	5035	
MB 880-71132/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-71132/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-71132/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-5972-A-1-G MS	Matrix Spike	Total/NA	Solid	5035	

QC Association Summary

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-5971-1
SDG: 03D2024239

GC VOA (Continued)

Prep Batch: 71132 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5972-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 71133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-71133/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 71153

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5971-2	BH03B	Total/NA	Solid	8021B	71027
890-5971-3	BH04A	Total/NA	Solid	8021B	71027
890-5971-4	BH04B	Total/NA	Solid	8021B	71027
890-5971-5	BH04C	Total/NA	Solid	8021B	71027
890-5971-6	BH05A	Total/NA	Solid	8021B	71027
890-5971-8	BH06A	Total/NA	Solid	8021B	71027
890-5971-10	BH07A	Total/NA	Solid	8021B	71027
890-5971-11	BH07B	Total/NA	Solid	8021B	71027
890-5971-13	BH08B	Total/NA	Solid	8021B	71027
890-5971-14	BH09A	Total/NA	Solid	8021B	71027
890-5971-15	BH09B	Total/NA	Solid	8021B	71027
890-5971-16	BH10A	Total/NA	Solid	8021B	71027
890-5971-17	BH10B	Total/NA	Solid	8021B	71027
890-5971-18	BH11	Total/NA	Solid	8021B	71027
890-5971-19	BH12	Total/NA	Solid	8021B	71027
890-5971-20	BH13A	Total/NA	Solid	8021B	71027
MB 880-71027/5-A	Method Blank	Total/NA	Solid	8021B	71027
LCS 880-71027/1-A	Lab Control Sample	Total/NA	Solid	8021B	71027
LCSD 880-71027/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	71027
890-5971-2 MS	BH03B	Total/NA	Solid	8021B	71027
890-5971-2 MSD	BH03B	Total/NA	Solid	8021B	71027

Analysis Batch: 71154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5971-7	BH05B	Total/NA	Solid	8021B	71132
MB 880-71132/5-A	Method Blank	Total/NA	Solid	8021B	71132
MB 880-71133/5-A	Method Blank	Total/NA	Solid	8021B	71133
LCS 880-71132/1-A	Lab Control Sample	Total/NA	Solid	8021B	71132
LCSD 880-71132/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	71132
890-5972-A-1-G MS	Matrix Spike	Total/NA	Solid	8021B	71132
890-5972-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	71132

Analysis Batch: 71222

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5971-2	BH03B	Total/NA	Solid	Total BTEX	
890-5971-3	BH04A	Total/NA	Solid	Total BTEX	
890-5971-4	BH04B	Total/NA	Solid	Total BTEX	
890-5971-5	BH04C	Total/NA	Solid	Total BTEX	
890-5971-6	BH05A	Total/NA	Solid	Total BTEX	
890-5971-7	BH05B	Total/NA	Solid	Total BTEX	
890-5971-8	BH06A	Total/NA	Solid	Total BTEX	
890-5971-9	BH06B	Total/NA	Solid	Total BTEX	
890-5971-10	BH07A	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-5971-1
SDG: 03D2024239

GC VOA (Continued)

Analysis Batch: 71222 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5971-11	BH07B	Total/NA	Solid	Total BTEX	
890-5971-12	BH08A	Total/NA	Solid	Total BTEX	
890-5971-13	BH08B	Total/NA	Solid	Total BTEX	
890-5971-14	BH09A	Total/NA	Solid	Total BTEX	
890-5971-15	BH09B	Total/NA	Solid	Total BTEX	
890-5971-16	BH10A	Total/NA	Solid	Total BTEX	
890-5971-17	BH10B	Total/NA	Solid	Total BTEX	
890-5971-18	BH11	Total/NA	Solid	Total BTEX	
890-5971-19	BH12	Total/NA	Solid	Total BTEX	
890-5971-20	BH13A	Total/NA	Solid	Total BTEX	
890-5971-21	BH13B	Total/NA	Solid	Total BTEX	
890-5971-22	BH14A	Total/NA	Solid	Total BTEX	
890-5971-23	BH14B	Total/NA	Solid	Total BTEX	

Prep Batch: 71335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-71335/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 71338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5971-9	BH06B	Total/NA	Solid	5035	
890-5971-12	BH08A	Total/NA	Solid	5035	
MB 880-71338/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-71338/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-71338/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-5989-A-13-C MS	Matrix Spike	Total/NA	Solid	5035	
890-5989-A-13-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 71404

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5971-9	BH06B	Total/NA	Solid	8021B	71338
890-5971-12	BH08A	Total/NA	Solid	8021B	71338
MB 880-71335/5-A	Method Blank	Total/NA	Solid	8021B	71335
MB 880-71338/5-A	Method Blank	Total/NA	Solid	8021B	71338
LCS 880-71338/1-A	Lab Control Sample	Total/NA	Solid	8021B	71338
LCSD 880-71338/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	71338
890-5989-A-13-C MS	Matrix Spike	Total/NA	Solid	8021B	71338
890-5989-A-13-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	71338

GC Semi VOA

Analysis Batch: 70961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5971-2	BH03B	Total/NA	Solid	8015B NM	71002
890-5971-3	BH04A	Total/NA	Solid	8015B NM	71002
890-5971-4	BH04B	Total/NA	Solid	8015B NM	71002
890-5971-5	BH04C	Total/NA	Solid	8015B NM	71002
890-5971-6	BH05A	Total/NA	Solid	8015B NM	71002
890-5971-7	BH05B	Total/NA	Solid	8015B NM	71002
890-5971-8	BH06A	Total/NA	Solid	8015B NM	71002
890-5971-9	BH06B	Total/NA	Solid	8015B NM	71002

QC Association Summary

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-5971-1
SDG: 03D2024239

GC Semi VOA (Continued)

Analysis Batch: 70961 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5971-10	BH07A	Total/NA	Solid	8015B NM	71002
890-5971-11	BH07B	Total/NA	Solid	8015B NM	71002
890-5971-12	BH08A	Total/NA	Solid	8015B NM	71002
890-5971-13	BH08B	Total/NA	Solid	8015B NM	71002
890-5971-14	BH09A	Total/NA	Solid	8015B NM	71002
890-5971-15	BH09B	Total/NA	Solid	8015B NM	71002
890-5971-16	BH10A	Total/NA	Solid	8015B NM	71002
890-5971-17	BH10B	Total/NA	Solid	8015B NM	71002
890-5971-18	BH11	Total/NA	Solid	8015B NM	71002
890-5971-19	BH12	Total/NA	Solid	8015B NM	71002
890-5971-20	BH13A	Total/NA	Solid	8015B NM	71002
MB 880-71002/1-A	Method Blank	Total/NA	Solid	8015B NM	71002
LCS 880-71002/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	71002
LCSD 880-71002/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	71002
890-5971-2 MS	BH03B	Total/NA	Solid	8015B NM	71002
890-5971-2 MSD	BH03B	Total/NA	Solid	8015B NM	71002

Analysis Batch: 70963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5971-21	BH13B	Total/NA	Solid	8015B NM	70975
890-5971-22	BH14A	Total/NA	Solid	8015B NM	70975
MB 880-70975/1-A	Method Blank	Total/NA	Solid	8015B NM	70975
LCS 880-70975/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	70975
LCSD 880-70975/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	70975
880-37989-A-21-C MS	Matrix Spike	Total/NA	Solid	8015B NM	70975
880-37989-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	70975

Prep Batch: 70975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5971-21	BH13B	Total/NA	Solid	8015NM Prep	
890-5971-22	BH14A	Total/NA	Solid	8015NM Prep	
MB 880-70975/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-70975/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-70975/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-37989-A-21-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-37989-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 71002

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5971-2	BH03B	Total/NA	Solid	8015NM Prep	
890-5971-3	BH04A	Total/NA	Solid	8015NM Prep	
890-5971-4	BH04B	Total/NA	Solid	8015NM Prep	
890-5971-5	BH04C	Total/NA	Solid	8015NM Prep	
890-5971-6	BH05A	Total/NA	Solid	8015NM Prep	
890-5971-7	BH05B	Total/NA	Solid	8015NM Prep	
890-5971-8	BH06A	Total/NA	Solid	8015NM Prep	
890-5971-9	BH06B	Total/NA	Solid	8015NM Prep	
890-5971-10	BH07A	Total/NA	Solid	8015NM Prep	
890-5971-11	BH07B	Total/NA	Solid	8015NM Prep	
890-5971-12	BH08A	Total/NA	Solid	8015NM Prep	
890-5971-13	BH08B	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-5971-1
SDG: 03D2024239

GC Semi VOA (Continued)

Prep Batch: 71002 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5971-14	BH09A	Total/NA	Solid	8015NM Prep	
890-5971-15	BH09B	Total/NA	Solid	8015NM Prep	
890-5971-16	BH10A	Total/NA	Solid	8015NM Prep	
890-5971-17	BH10B	Total/NA	Solid	8015NM Prep	
890-5971-18	BH11	Total/NA	Solid	8015NM Prep	
890-5971-19	BH12	Total/NA	Solid	8015NM Prep	
890-5971-20	BH13A	Total/NA	Solid	8015NM Prep	
MB 880-71002/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-71002/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-71002/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-5971-2 MS	BH03B	Total/NA	Solid	8015NM Prep	
890-5971-2 MSD	BH03B	Total/NA	Solid	8015NM Prep	

Prep Batch: 71029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5971-23	BH14B	Total/NA	Solid	8015NM Prep	
MB 880-71029/1-A - RA2	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-71029/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-71029/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-5972-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-5972-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 71032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5971-23	BH14B	Total/NA	Solid	8015B NM	71029
MB 880-71029/1-A - RA2	Method Blank	Total/NA	Solid	8015B NM	71029
LCS 880-71029/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	71029
LCSD 880-71029/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	71029
890-5972-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	71029
890-5972-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	71029

Analysis Batch: 71043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5971-2	BH03B	Total/NA	Solid	8015 NM	
890-5971-3	BH04A	Total/NA	Solid	8015 NM	
890-5971-4	BH04B	Total/NA	Solid	8015 NM	
890-5971-5	BH04C	Total/NA	Solid	8015 NM	
890-5971-6	BH05A	Total/NA	Solid	8015 NM	
890-5971-7	BH05B	Total/NA	Solid	8015 NM	
890-5971-8	BH06A	Total/NA	Solid	8015 NM	
890-5971-9	BH06B	Total/NA	Solid	8015 NM	
890-5971-10	BH07A	Total/NA	Solid	8015 NM	
890-5971-11	BH07B	Total/NA	Solid	8015 NM	
890-5971-12	BH08A	Total/NA	Solid	8015 NM	
890-5971-13	BH08B	Total/NA	Solid	8015 NM	
890-5971-14	BH09A	Total/NA	Solid	8015 NM	
890-5971-15	BH09B	Total/NA	Solid	8015 NM	
890-5971-16	BH10A	Total/NA	Solid	8015 NM	
890-5971-17	BH10B	Total/NA	Solid	8015 NM	
890-5971-18	BH11	Total/NA	Solid	8015 NM	
890-5971-19	BH12	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-5971-1
SDG: 03D2024239

GC Semi VOA (Continued)

Analysis Batch: 71043 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5971-20	BH13A	Total/NA	Solid	8015 NM	
890-5971-21	BH13B	Total/NA	Solid	8015 NM	
890-5971-22	BH14A	Total/NA	Solid	8015 NM	
890-5971-23	BH14B	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 70835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5971-2	BH03B	Soluble	Solid	DI Leach	
890-5971-3	BH04A	Soluble	Solid	DI Leach	
890-5971-4	BH04B	Soluble	Solid	DI Leach	
890-5971-5	BH04C	Soluble	Solid	DI Leach	
890-5971-6	BH05A	Soluble	Solid	DI Leach	
890-5971-7	BH05B	Soluble	Solid	DI Leach	
890-5971-8	BH06A	Soluble	Solid	DI Leach	
890-5971-9	BH06B	Soluble	Solid	DI Leach	
890-5971-10	BH07A	Soluble	Solid	DI Leach	
890-5971-11	BH07B	Soluble	Solid	DI Leach	
890-5971-12	BH08A	Soluble	Solid	DI Leach	
890-5971-13	BH08B	Soluble	Solid	DI Leach	
890-5971-14	BH09A	Soluble	Solid	DI Leach	
890-5971-15	BH09B	Soluble	Solid	DI Leach	
890-5971-16	BH10A	Soluble	Solid	DI Leach	
890-5971-17	BH10B	Soluble	Solid	DI Leach	
890-5971-18	BH11	Soluble	Solid	DI Leach	
890-5971-19	BH12	Soluble	Solid	DI Leach	
890-5971-20	BH13A	Soluble	Solid	DI Leach	
MB 880-70835/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-70835/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-70835/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-5971-11 MS	BH07B	Soluble	Solid	DI Leach	
890-5971-11 MSD	BH07B	Soluble	Solid	DI Leach	
890-5971-A-1-B MS	890-5971-A-1-B MS	Soluble	Solid	DI Leach	
890-5971-A-1-C MSD	890-5971-A-1-C MSD	Soluble	Solid	DI Leach	

Leach Batch: 70836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5971-21	BH13B	Soluble	Solid	DI Leach	
890-5971-22	BH14A	Soluble	Solid	DI Leach	
890-5971-23	BH14B	Soluble	Solid	DI Leach	
MB 880-70836/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-70836/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-70836/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-37950-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-37950-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 71039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5971-21	BH13B	Soluble	Solid	300.0	70836
890-5971-22	BH14A	Soluble	Solid	300.0	70836

QC Association Summary

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-5971-1
SDG: 03D2024239

HPLC/IC (Continued)

Analysis Batch: 71039 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5971-23	BH14B	Soluble	Solid	300.0	70836
MB 880-70836/1-A	Method Blank	Soluble	Solid	300.0	70836
LCS 880-70836/2-A	Lab Control Sample	Soluble	Solid	300.0	70836
LCSD 880-70836/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	70836
880-37950-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	70836
880-37950-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	70836

Analysis Batch: 71040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5971-2	BH03B	Soluble	Solid	300.0	70835
890-5971-3	BH04A	Soluble	Solid	300.0	70835
890-5971-4	BH04B	Soluble	Solid	300.0	70835
890-5971-5	BH04C	Soluble	Solid	300.0	70835
890-5971-6	BH05A	Soluble	Solid	300.0	70835
890-5971-7	BH05B	Soluble	Solid	300.0	70835
890-5971-8	BH06A	Soluble	Solid	300.0	70835
890-5971-9	BH06B	Soluble	Solid	300.0	70835
890-5971-10	BH07A	Soluble	Solid	300.0	70835
890-5971-11	BH07B	Soluble	Solid	300.0	70835
890-5971-12	BH08A	Soluble	Solid	300.0	70835
890-5971-13	BH08B	Soluble	Solid	300.0	70835
890-5971-14	BH09A	Soluble	Solid	300.0	70835
890-5971-15	BH09B	Soluble	Solid	300.0	70835
890-5971-16	BH10A	Soluble	Solid	300.0	70835
890-5971-17	BH10B	Soluble	Solid	300.0	70835
890-5971-18	BH11	Soluble	Solid	300.0	70835
890-5971-19	BH12	Soluble	Solid	300.0	70835
890-5971-20	BH13A	Soluble	Solid	300.0	70835
MB 880-70835/1-A	Method Blank	Soluble	Solid	300.0	70835
LCS 880-70835/2-A	Lab Control Sample	Soluble	Solid	300.0	70835
LCSD 880-70835/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	70835
890-5971-11 MS	BH07B	Soluble	Solid	300.0	70835
890-5971-11 MSD	BH07B	Soluble	Solid	300.0	70835
890-5971-A-1-B MS	890-5971-A-1-B MS	Soluble	Solid	300.0	70835
890-5971-A-1-C MSD	890-5971-A-1-C MSD	Soluble	Solid	300.0	70835

Lab Chronicle

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-5971-1
SDG: 03D2024239

Client Sample ID: BH03B
Date Collected: 01/12/24 10:00
Date Received: 01/12/24 13:52

Lab Sample ID: 890-5971-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	71027	01/16/24 15:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	71153	01/19/24 13:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			71222	01/19/24 13:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			71043	01/16/24 20:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	71002	01/16/24 13:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70961	01/16/24 20:51	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	70835	01/15/24 08:13	CH	EET MID
Soluble	Analysis	300.0		1			71040	01/16/24 20:32	CH	EET MID

Client Sample ID: BH04A
Date Collected: 01/12/24 08:40
Date Received: 01/12/24 13:52

Lab Sample ID: 890-5971-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	71027	01/16/24 15:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	71153	01/19/24 12:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			71222	01/19/24 12:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			71043	01/16/24 21:59	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	71002	01/16/24 13:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70961	01/16/24 21:59	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	70835	01/15/24 08:13	CH	EET MID
Soluble	Analysis	300.0		1			71040	01/16/24 20:37	CH	EET MID

Client Sample ID: BH04B
Date Collected: 01/12/24 08:55
Date Received: 01/12/24 13:52

Lab Sample ID: 890-5971-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	71027	01/16/24 15:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	71153	01/19/24 13:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			71222	01/19/24 13:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			71043	01/16/24 22:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	71002	01/16/24 13:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70961	01/16/24 22:22	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	70835	01/15/24 08:13	CH	EET MID
Soluble	Analysis	300.0		1			71040	01/16/24 20:42	CH	EET MID

Client Sample ID: BH04C
Date Collected: 01/12/24 09:05
Date Received: 01/12/24 13:52

Lab Sample ID: 890-5971-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	71027	01/16/24 15:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	71153	01/19/24 13:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			71222	01/19/24 13:26	SM	EET MID

Lab Chronicle

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-5971-1
SDG: 03D2024239

Client Sample ID: BH04C
Date Collected: 01/12/24 09:05
Date Received: 01/12/24 13:52

Lab Sample ID: 890-5971-5
Matrix: Solid

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			71043	01/16/24 22:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	71002	01/16/24 13:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70961	01/16/24 22:45	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	70835	01/15/24 08:13	CH	EET MID
Soluble	Analysis	300.0		1			71040	01/16/24 20:47	CH	EET MID

Client Sample ID: BH05A
Date Collected: 01/12/24 09:40
Date Received: 01/12/24 13:52

Lab Sample ID: 890-5971-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	71027	01/16/24 15:43	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	71153	01/19/24 14:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			71222	01/19/24 14:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			71043	01/17/24 01:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	71002	01/16/24 13:44	TKC	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	70961	01/17/24 01:47	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	70835	01/15/24 08:13	CH	EET MID
Soluble	Analysis	300.0		5			71040	01/16/24 21:03	CH	EET MID

Client Sample ID: BH05B
Date Collected: 01/12/24 09:55
Date Received: 01/12/24 13:52

Lab Sample ID: 890-5971-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	71132	01/18/24 14:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	71154	01/20/24 07:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			71222	01/20/24 07:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			71043	01/16/24 23:08	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	71002	01/16/24 13:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70961	01/16/24 23:08	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	70835	01/15/24 08:13	CH	EET MID
Soluble	Analysis	300.0		5			71040	01/16/24 21:08	CH	EET MID

Client Sample ID: BH06A
Date Collected: 01/12/24 10:30
Date Received: 01/12/24 13:52

Lab Sample ID: 890-5971-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	71027	01/16/24 15:43	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	71153	01/19/24 14:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			71222	01/19/24 14:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			71043	01/17/24 02:09	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	71002	01/16/24 13:44	TKC	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	70961	01/17/24 02:09	SM	EET MID

Lab Chronicle

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-5971-1
SDG: 03D2024239

Client Sample ID: BH06A
Date Collected: 01/12/24 10:30
Date Received: 01/12/24 13:52

Lab Sample ID: 890-5971-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	70835	01/15/24 08:13	CH	EET MID
Soluble	Analysis	300.0		5			71040	01/16/24 21:13	CH	EET MID

Client Sample ID: BH06B
Date Collected: 01/12/24 10:40
Date Received: 01/12/24 13:52

Lab Sample ID: 890-5971-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	71338	01/23/24 10:00	MNR	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	71404	01/24/24 00:27	SM	EET MID
Total/NA	Analysis	Total BTEX		1			71222	01/24/24 00:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			71043	01/17/24 05:11	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	71002	01/16/24 13:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70961	01/17/24 05:11	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	70835	01/15/24 08:13	CH	EET MID
Soluble	Analysis	300.0		10			71040	01/16/24 21:18	CH	EET MID

Client Sample ID: BH07A
Date Collected: 01/12/24 11:00
Date Received: 01/12/24 13:52

Lab Sample ID: 890-5971-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	71027	01/16/24 15:43	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	71153	01/19/24 15:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			71222	01/19/24 15:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			71043	01/17/24 02:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	71002	01/16/24 13:44	TKC	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	70961	01/17/24 02:32	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	70835	01/15/24 08:13	CH	EET MID
Soluble	Analysis	300.0		5			71040	01/16/24 21:23	CH	EET MID

Client Sample ID: BH07B
Date Collected: 01/12/24 12:10
Date Received: 01/12/24 13:52

Lab Sample ID: 890-5971-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	71027	01/16/24 15:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	71153	01/19/24 16:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			71222	01/19/24 16:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			71043	01/16/24 23:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	71002	01/16/24 13:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70961	01/16/24 23:31	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	70835	01/15/24 08:13	CH	EET MID
Soluble	Analysis	300.0		1			71040	01/16/24 21:28	CH	EET MID

Lab Chronicle

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-5971-1
SDG: 03D2024239

Client Sample ID: BH08A
Date Collected: 01/12/24 12:45
Date Received: 01/12/24 13:52

Lab Sample ID: 890-5971-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	71338	01/23/24 10:00	MNR	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	71404	01/24/24 00:47	SM	EET MID
Total/NA	Analysis	Total BTEX		1			71222	01/24/24 00:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			71043	01/16/24 23:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	71002	01/16/24 13:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70961	01/16/24 23:54	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	70835	01/15/24 08:13	CH	EET MID
Soluble	Analysis	300.0		10			71040	01/16/24 21:44	CH	EET MID

Client Sample ID: BH08B
Date Collected: 01/12/24 12:50
Date Received: 01/12/24 13:52

Lab Sample ID: 890-5971-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	71027	01/16/24 15:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	71153	01/19/24 17:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			71222	01/19/24 17:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			71043	01/17/24 04:27	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	71002	01/16/24 13:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70961	01/17/24 04:27	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	70835	01/15/24 08:13	CH	EET MID
Soluble	Analysis	300.0		5			71040	01/16/24 21:49	CH	EET MID

Client Sample ID: BH09A
Date Collected: 01/12/24 12:55
Date Received: 01/12/24 13:52

Lab Sample ID: 890-5971-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	71027	01/16/24 15:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	71153	01/19/24 17:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			71222	01/19/24 17:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			71043	01/17/24 00:17	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	71002	01/16/24 13:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70961	01/17/24 00:17	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	70835	01/15/24 08:13	CH	EET MID
Soluble	Analysis	300.0		1			71040	01/16/24 22:04	CH	EET MID

Client Sample ID: BH09B
Date Collected: 01/12/24 13:10
Date Received: 01/12/24 13:52

Lab Sample ID: 890-5971-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	71027	01/16/24 15:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	71153	01/19/24 17:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			71222	01/19/24 17:54	SM	EET MID

Lab Chronicle

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-5971-1
SDG: 03D2024239

Client Sample ID: BH09B
Date Collected: 01/12/24 13:10
Date Received: 01/12/24 13:52

Lab Sample ID: 890-5971-15
Matrix: Solid

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			71043	01/17/24 00:40	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	71002	01/16/24 13:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70961	01/17/24 00:40	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	70835	01/15/24 08:13	CH	EET MID
Soluble	Analysis	300.0		1			71040	01/16/24 22:10	CH	EET MID

Client Sample ID: BH10A
Date Collected: 01/12/24 08:25
Date Received: 01/12/24 13:52

Lab Sample ID: 890-5971-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	71027	01/16/24 15:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	71153	01/19/24 18:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			71222	01/19/24 18:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			71043	01/17/24 04:50	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	71002	01/16/24 13:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70961	01/17/24 04:50	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	70835	01/15/24 08:13	CH	EET MID
Soluble	Analysis	300.0		1			71040	01/16/24 22:15	CH	EET MID

Client Sample ID: BH10B
Date Collected: 01/12/24 08:40
Date Received: 01/12/24 13:52

Lab Sample ID: 890-5971-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	71027	01/16/24 15:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	71153	01/19/24 18:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			71222	01/19/24 18:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			71043	01/17/24 01:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	71002	01/16/24 13:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70961	01/17/24 01:01	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	70835	01/15/24 08:13	CH	EET MID
Soluble	Analysis	300.0		1			71040	01/16/24 22:20	CH	EET MID

Client Sample ID: BH11
Date Collected: 01/12/24 09:00
Date Received: 01/12/24 13:52

Lab Sample ID: 890-5971-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	71027	01/16/24 15:43	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	71153	01/19/24 19:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			71222	01/19/24 19:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			71043	01/17/24 03:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	71002	01/16/24 13:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70961	01/17/24 03:18	SM	EET MID

Lab Chronicle

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-5971-1
SDG: 03D2024239

Client Sample ID: BH11
Date Collected: 01/12/24 09:00
Date Received: 01/12/24 13:52

Lab Sample ID: 890-5971-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	70835	01/15/24 08:13	CH	EET MID
Soluble	Analysis	300.0		10			71040	01/16/24 22:25	CH	EET MID

Client Sample ID: BH12
Date Collected: 01/12/24 09:15
Date Received: 01/12/24 13:52

Lab Sample ID: 890-5971-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	71027	01/16/24 15:43	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	71153	01/19/24 19:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			71222	01/19/24 19:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			71043	01/17/24 04:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	71002	01/16/24 13:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70961	01/17/24 04:05	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	70835	01/15/24 08:13	CH	EET MID
Soluble	Analysis	300.0		10			71040	01/16/24 22:30	CH	EET MID

Client Sample ID: BH13A
Date Collected: 01/12/24 09:40
Date Received: 01/12/24 13:52

Lab Sample ID: 890-5971-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	71027	01/16/24 15:43	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	71153	01/19/24 19:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			71222	01/19/24 19:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			71043	01/17/24 02:56	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	71002	01/16/24 13:44	TKC	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	70961	01/17/24 02:56	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	70835	01/15/24 08:13	CH	EET MID
Soluble	Analysis	300.0		1			71040	01/16/24 22:35	CH	EET MID

Client Sample ID: BH13B
Date Collected: 01/12/24 09:45
Date Received: 01/12/24 13:52

Lab Sample ID: 890-5971-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	71092	01/18/24 09:37	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	71087	01/18/24 15:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			71222	01/18/24 15:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			71043	01/16/24 18:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	70975	01/16/24 09:27	TKC	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	70963	01/16/24 18:39	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	70836	01/15/24 08:14	CH	EET MID
Soluble	Analysis	300.0		5			71039	01/16/24 19:18	CH	EET MID

Lab Chronicle

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-5971-1
SDG: 03D2024239

Client Sample ID: BH14A
Date Collected: 01/12/24 10:20
Date Received: 01/12/24 13:52

Lab Sample ID: 890-5971-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	71092	01/18/24 09:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	71087	01/18/24 19:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			71222	01/18/24 19:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			71043	01/16/24 19:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	70975	01/16/24 09:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70963	01/16/24 19:01	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	70836	01/15/24 08:14	CH	EET MID
Soluble	Analysis	300.0		5			71039	01/16/24 19:23	CH	EET MID

Client Sample ID: BH14B
Date Collected: 01/12/24 10:25
Date Received: 01/12/24 13:52

Lab Sample ID: 890-5971-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	71092	01/18/24 09:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	71087	01/18/24 19:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			71222	01/18/24 19:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			71043	01/17/24 18:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	71029	01/16/24 16:03	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	71032	01/17/24 18:46	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	70836	01/15/24 08:14	CH	EET MID
Soluble	Analysis	300.0		10			71039	01/16/24 19:28	CH	EET MID

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

Accreditation/Certification Summary

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-5971-1
SDG: 03D2024239

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-5971-1
SDG: 03D2024239

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

Protocol References:

ASTM = ASTM International
EPA = US Environmental Protection Agency
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-5971-1
SDG: 03D2024239

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-5971-2	BH03B	Solid	01/12/24 10:00	01/12/24 13:52	3
890-5971-3	BH04A	Solid	01/12/24 08:40	01/12/24 13:52	1
890-5971-4	BH04B	Solid	01/12/24 08:55	01/12/24 13:52	4
890-5971-5	BH04C	Solid	01/12/24 09:05	01/12/24 13:52	6
890-5971-6	BH05A	Solid	01/12/24 09:40	01/12/24 13:52	1
890-5971-7	BH05B	Solid	01/12/24 09:55	01/12/24 13:52	4
890-5971-8	BH06A	Solid	01/12/24 10:30	01/12/24 13:52	1
890-5971-9	BH06B	Solid	01/12/24 10:40	01/12/24 13:52	2.5
890-5971-10	BH07A	Solid	01/12/24 11:00	01/12/24 13:52	1
890-5971-11	BH07B	Solid	01/12/24 12:10	01/12/24 13:52	4.5
890-5971-12	BH08A	Solid	01/12/24 12:45	01/12/24 13:52	1
890-5971-13	BH08B	Solid	01/12/24 12:50	01/12/24 13:52	4.5
890-5971-14	BH09A	Solid	01/12/24 12:55	01/12/24 13:52	1
890-5971-15	BH09B	Solid	01/12/24 13:10	01/12/24 13:52	1.5
890-5971-16	BH10A	Solid	01/12/24 08:25	01/12/24 13:52	1
890-5971-17	BH10B	Solid	01/12/24 08:40	01/12/24 13:52	4
890-5971-18	BH11	Solid	01/12/24 09:00	01/12/24 13:52	1
890-5971-19	BH12	Solid	01/12/24 09:15	01/12/24 13:52	4
890-5971-20	BH13A	Solid	01/12/24 09:40	01/12/24 13:52	1
890-5971-21	BH13B	Solid	01/12/24 09:45	01/12/24 13:52	1
890-5971-22	BH14A	Solid	01/12/24 10:20	01/12/24 13:52	1
890-5971-23	BH14B	Solid	01/12/24 10:25	01/12/24 13:52	2

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

www.xenco.com Page 1 of 3

Project Manager:	Hadlie Green	Bill to: (if different)	
Company Name:	Ensolum, LLC	Company Name:	
Address:	601 N Marienfeld St Suite 400	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-557-8895	Email:	hgreen@ensolum.com

Work Order Comments

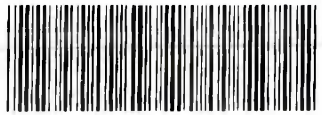
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Bevo 11 Federal 004H	Turn Around	☑ Routine ☐ Rush
Project Number:	03D2024239	Due Date:	
Project Location:	32.4013,-103.5331	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Peter Van Patten		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	TNM007
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	4.2
Total Containers:		Corrected Temperature:	4.0

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	CHLORIDES (EPA: 300.0)	TPH (8015)	BTEX (8021)
BH03A	Soil	1/12/2024	950	1.0'	Comp	1	x	x	x
BH03B	Soil	1/12/2024	1000	3.0'	Comp	1	x	x	x
BH04A	Soil	1/11/2024	840	1.0'	Comp	1	x	x	x
BH04B	Soil	1/11/2024	855	4.0'	Comp	1	x	x	x
BH04C	Soil	1/11/2024	905	6.0'	Comp	1	x	x	x
BH05A	Soil	1/11/2024	940	1.0'	Comp	1	x	x	x
BH05B	Soil	1/11/2024	955	4.0'	Comp	1	x	x	x
BH06A	Soil	1/11/2024	1030	1.0'	Comp	1	x	x	x
BH06B	Soil	1/11/2024	1040	2.5'	Comp	1	x	x	x
BH07A	Soil	1/11/2024	1100	1.0'	Comp	1	x	x	x



Preservative Codes

None: NO DI Water: H_2O
Cool: Cool MeOH: Me
HCL: HC HNO_3: HN
H_2S0_4: H_2 NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Peter Van Patten	[signature]	1/12/24 13	52		
3				4		
5				6		

Revised Date: 08/25/2020 Rev. 2020.2

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

www.xenco.com Page 2 of 3

Project Manager:	Hadlie Green	Bill to: (if different)	
Company Name:	Ensolum, LLC	Company Name:	
Address:	601 N Marienfeld St Suite 400	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-557-8895	Email:	hgreen@ensolum.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Bevo 11 Federal 004H	Turn Around	☑ Routine ☐ Rush
Project Number:	03D2024239	Due Date:	
Project Location:	32.4013,-103.5331	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Peter Van Patten		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	Yes No
Samples Received Intact:	(Yes) No	Thermometer ID:	TAMOO7
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	4.2
Total Containers:		Corrected Temperature:	4.0

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	ANALYSIS REQUEST: CHLORIDES (EPA: 300.0)	TPH (8015)	BTEX (8021)	Sample Comments
BH07B	Soil	1/11/2024	1210	4.5'	Comp	1		x	x	x	
BH08A	Soil	1/11/2024	1245	1.0'	Comp	1		x	x	x	
BH08B	Soil	1/11/2024	1250	1.5'	Comp	1		x	x	x	
BH09A	Soil	1/11/2024	1255	1.0'	Comp	1		x	x	x	
BH09B	Soil	1/11/2024	1310	4.0'	Comp	1		x	x	x	
BH10A	Soil	1/12/2024	825	1.0'	Comp	1		x	x	x	
BH10B	Soil	1/12/2024	840	4.0'	Comp	1		x	x	x	
BH11	Soil	1/12/2024	900	1.0'	Comp	1		x	x	x	
BH12	Soil	1/12/2024	915	1.0'	Comp	1		x	x	x	
BH13A	Soil	1/12/2024	940	1.0'	Comp	1		x	x	x	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Peter Van Patten		1/12/24 1352			
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

www.xenco.com Page 3 of 3

Project Manager:	Hadlie Green	Bill to: (if different)	
Company Name:	Ensolum, LLC	Company Name:	
Address:	601 N Marienfeld St Suite 400	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-557-8895	Email:	hgreen@ensolum.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Bevo 11 Federal 004H	Turn Around	
Project Number:	03D2024239	☑ Routine ☐ Rush	
Project Location:	32.4013,-103.5331	Due Date:	
Sampler's Name:	Peter Van Patten	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	TNMOO
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	4.2
Total Containers:		Corrected Temperature:	4.0

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2S0_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	ANALYSIS REQUEST: CHLORIDES (EPA: 300.0)	TPH (8015)	BTEX (8021)	Sample Comments
BH13B	Soil	1/12/2024	945	1.5'	Comp	1		x	x	x	
BH14A	Soil	1/12/2024	1020	1.0'	Comp	1		x	x	x	
BH14B	Soil	1/12/2024	1025	2.0'	Comp	1		x	x	x	

Parameters

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Peter Van Patten	[signature]	1/12/24 1352			
3				4		
5				6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-5971-1
SDG Number: 03D2024239

Login Number: 5971
List Number: 1
Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-5971-1
SDG Number: 03D2024239

Login Number: 5971
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 01/16/24 12:15 PM

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Hadlie Green
Ensolum
601 N. Marienfeld St.
Suite 400
Midland, Texas 79701

Generated 2/19/2024 4:49:56 PM

JOB DESCRIPTION

BEVO 11 FEDERAL 004H
03D2024239

JOB NUMBER

890-6134-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

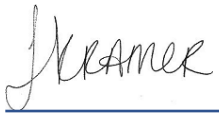
Eurofins Carlsbad

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Authorization



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

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Laboratory Job ID: 890-6134-1
SDG: 03D2024239

Table of Contents

Definitions/Glossary

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-6134-1
SDG: 03D2024239

Qualifiers

GC VOA

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

Glossary

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

Case Narrative

Client: Ensolum
Project: BEVO 11 FEDERAL 004H

Job ID: 890-6134-1

Job ID: 890-6134-1 Eurofins Carlsbad

Job Narrative
890-6134-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

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

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

Receipt
The samples were received on 2/7/2024 2:53 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 1.8°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: BH02 B (890-6134-1), BH02 C (890-6134-2), BH02 D (890-6134-3), BH03 C (890-6134-4), BH03 D (890-6134-5), BH04 D (890-6134-6), BH04 E (890-6134-7), BH05 C (890-6134-8), BH05 D (890-6134-9), BH06 C (890-6134-10), BH07 C (890-6134-11), BH07 D (890-6134-12), BH07 E (890-6134-13), BH11 A (890-6134-14), BH11 B (890-6134-15), BH11 C (890-6134-16), BH12 A (890-6134-17), BH13 C (890-6134-18), BH13 D (890-6134-19), BH13 E (890-6134-20), BH13 F (890-6134-21), BH14 C (890-6134-22) and BH14 D (890-6134-23).

GC VOA
Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-73189 and analytical batch 880-73320 was outside the control limits.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-73320 recovered below the lower control limit for Ethylbenzene, m-Xylene & p-Xylene and o-Xylene. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-73320/64).

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

GC Semi VOA
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-72779 and analytical batch 880-72796 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: BH14 D (890-6134-23). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The method blank for preparation batch 880-72779 and analytical batch 880-72796 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-72779 and analytical batch 880-72796 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: The surrogate recovery for the blank associated with preparation batch 880-72805 and 880-72806 and analytical batch 880-73206 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: BH03 D (890-6134-5). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for

Case Narrative

Client: Ensolum Job ID: 890-6134-1
Project: BEVO 11 FEDERAL 004H

Job ID: 890-6134-1 (Continued) Eurofins Carlsbad

preparation batch 880-72805 and 880-72806 and analytical batch 880-73206 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

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

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

Client Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-6134-1
SDG: 03D2024239

Client Sample ID: BH02 B

Date Collected: 02/06/24 08:55
Date Received: 02/07/24 14:53

Lab Sample ID: 890-6134-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/15/24 11:21	02/18/24 18:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/15/24 11:21	02/18/24 18:16	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/15/24 11:21	02/18/24 18:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/15/24 11:21	02/18/24 18:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/15/24 11:21	02/18/24 18:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/15/24 11:21	02/18/24 18:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*02/15/24 11:21*	*02/18/24 18:16*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*02/15/24 11:21*	*02/18/24 18:16*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/18/24 18:16	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**266**		50.0		mg/Kg			02/15/24 10:03	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/10/24 22:22	02/15/24 10:03	1
Diesel Range Organics (Over C10-C28)	**266**	***1**	50.0		mg/Kg		02/10/24 22:22	02/15/24 10:03	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/24 22:22	02/15/24 10:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*02/10/24 22:22*	*02/15/24 10:03*	*1*
o-Terphenyl	*103*		*70 - 130*	*02/10/24 22:22*	*02/15/24 10:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**819**		4.99		mg/Kg			02/10/24 03:20	1

Client Sample ID: BH02 C

Date Collected: 02/06/24 09:10
Date Received: 02/07/24 14:53

Lab Sample ID: 890-6134-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/15/24 11:21	02/18/24 18:36	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/15/24 11:21	02/18/24 18:36	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/15/24 11:21	02/18/24 18:36	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/15/24 11:21	02/18/24 18:36	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/15/24 11:21	02/18/24 18:36	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/15/24 11:21	02/18/24 18:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*02/15/24 11:21*	*02/18/24 18:36*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*02/15/24 11:21*	*02/18/24 18:36*	*1*

Client Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-6134-1
SDG: 03D2024239

Client Sample ID: BH02 C

Date Collected: 02/06/24 09:10
Date Received: 02/07/24 14:53

Lab Sample ID: 890-6134-2
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/18/24 18:36	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			02/15/24 11:07	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		02/10/24 22:22	02/15/24 11:07	1
Diesel Range Organics (Over C10-C28)	<49.6	U *1	49.6		mg/Kg		02/10/24 22:22	02/15/24 11:07	1
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		02/10/24 22:22	02/15/24 11:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*02/10/24 22:22*	*02/15/24 11:07*	*1*
o-Terphenyl	*120*		*70 - 130*	*02/10/24 22:22*	*02/15/24 11:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**115**		5.00		mg/Kg			02/10/24 03:40	1

Client Sample ID: BH02 D

Date Collected: 02/06/24 09:15
Date Received: 02/07/24 14:53

Lab Sample ID: 890-6134-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/15/24 11:21	02/18/24 18:57	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/15/24 11:21	02/18/24 18:57	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/15/24 11:21	02/18/24 18:57	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		02/15/24 11:21	02/18/24 18:57	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/15/24 11:21	02/18/24 18:57	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/15/24 11:21	02/18/24 18:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*02/15/24 11:21*	*02/18/24 18:57*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*02/15/24 11:21*	*02/18/24 18:57*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			02/18/24 18:57	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			02/15/24 11:28	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		02/10/24 22:22	02/15/24 11:28	1
Diesel Range Organics (Over C10-C28)	<50.1	U *1	50.1		mg/Kg		02/10/24 22:22	02/15/24 11:28	1

Client Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-6134-1
SDG: 03D2024239

Client Sample ID: BH02 D

Date Collected: 02/06/24 09:15
Date Received: 02/07/24 14:53

Lab Sample ID: 890-6134-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		02/10/24 22:22	02/15/24 11:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*124*		*70 - 130*	*02/10/24 22:22*	*02/15/24 11:28*	*1*
o-Terphenyl	*130*		*70 - 130*	*02/10/24 22:22*	*02/15/24 11:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**93.4**		5.01		mg/Kg			02/10/24 03:47	1

Client Sample ID: BH03 C

Date Collected: 02/06/24 10:45
Date Received: 02/07/24 14:53

Lab Sample ID: 890-6134-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/15/24 11:21	02/18/24 19:18	1
Toluene	**0.00216**		0.00201		mg/Kg		02/15/24 11:21	02/18/24 19:18	1
Ethylbenzene	**0.0713**		0.00201		mg/Kg		02/15/24 11:21	02/18/24 19:18	1
m-Xylene & p-Xylene	**0.257**		0.00402		mg/Kg		02/15/24 11:21	02/18/24 19:18	1
o-Xylene	**0.181**		0.00201		mg/Kg		02/15/24 11:21	02/18/24 19:18	1
Xylenes, Total	**0.438**		0.00402		mg/Kg		02/15/24 11:21	02/18/24 19:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*02/15/24 11:21*	*02/18/24 19:18*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*02/15/24 11:21*	*02/18/24 19:18*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.511**		0.00402		mg/Kg			02/18/24 19:18	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**885**		50.5		mg/Kg			02/15/24 17:20	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**100**		50.5		mg/Kg		02/10/24 22:22	02/15/24 17:20	1
Diesel Range Organics (Over C10-C28)	**785**	***1**	50.5		mg/Kg		02/10/24 22:22	02/15/24 17:20	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		02/10/24 22:22	02/15/24 17:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*02/10/24 22:22*	*02/15/24 17:20*	*1*
o-Terphenyl	*100*		*70 - 130*	*02/10/24 22:22*	*02/15/24 17:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**735**		5.02		mg/Kg			02/10/24 03:54	1

Client Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-6134-1
SDG: 03D2024239

Client Sample ID: BH03 D

Date Collected: 02/06/24 10:50
Date Received: 02/07/24 14:53

Lab Sample ID: 890-6134-5
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/15/24 11:21	02/18/24 19:38	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/15/24 11:21	02/18/24 19:38	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/15/24 11:21	02/18/24 19:38	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		02/15/24 11:21	02/18/24 19:38	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/15/24 11:21	02/18/24 19:38	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/15/24 11:21	02/18/24 19:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*02/15/24 11:21*	*02/18/24 19:38*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*02/15/24 11:21*	*02/18/24 19:38*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			02/18/24 19:38	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			02/15/24 11:50	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		02/10/24 22:22	02/15/24 11:50	1
Diesel Range Organics (Over C10-C28)	<50.3	U *1	50.3		mg/Kg		02/10/24 22:22	02/15/24 11:50	1
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		02/10/24 22:22	02/15/24 11:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*127*		*70 - 130*	*02/10/24 22:22*	*02/15/24 11:50*	*1*
o-Terphenyl	*134*	*S1+*	*70 - 130*	*02/10/24 22:22*	*02/15/24 11:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16.9**		4.95		mg/Kg			02/10/24 04:00	1

Client Sample ID: BH04 D

Date Collected: 02/06/24 09:45
Date Received: 02/07/24 14:53

Lab Sample ID: 890-6134-6
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/15/24 11:21	02/18/24 19:59	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/15/24 11:21	02/18/24 19:59	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/15/24 11:21	02/18/24 19:59	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		02/15/24 11:21	02/18/24 19:59	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/15/24 11:21	02/18/24 19:59	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		02/15/24 11:21	02/18/24 19:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*02/15/24 11:21*	*02/18/24 19:59*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*02/15/24 11:21*	*02/18/24 19:59*	*1*

Client Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-6134-1
SDG: 03D2024239

Client Sample ID: BH04 D

Date Collected: 02/06/24 09:45
Date Received: 02/07/24 14:53

Lab Sample ID: 890-6134-6
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			02/18/24 19:59	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**620**		50.3		mg/Kg			02/15/24 18:04	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**64.3**		50.3		mg/Kg		02/10/24 22:22	02/15/24 18:04	1
Diesel Range Organics (Over C10-C28)	**556**	***1**	50.3		mg/Kg		02/10/24 22:22	02/15/24 18:04	1
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		02/10/24 22:22	02/15/24 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*02/10/24 22:22*	*02/15/24 18:04*	*1*
o-Terphenyl	*84*		*70 - 130*	*02/10/24 22:22*	*02/15/24 18:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**251**		4.98		mg/Kg			02/10/24 04:07	1

Client Sample ID: BH04 E

Date Collected: 02/06/24 09:50
Date Received: 02/07/24 14:53

Lab Sample ID: 890-6134-7
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/15/24 11:21	02/18/24 20:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/15/24 11:21	02/18/24 20:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/15/24 11:21	02/18/24 20:19	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/15/24 11:21	02/18/24 20:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/15/24 11:21	02/18/24 20:19	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/15/24 11:21	02/18/24 20:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*02/15/24 11:21*	*02/18/24 20:19*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*02/15/24 11:21*	*02/18/24 20:19*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/18/24 20:19	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			02/15/24 12:12	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		02/10/24 22:22	02/15/24 12:12	1
Diesel Range Organics (Over C10-C28)	<50.1	U *1	50.1		mg/Kg		02/10/24 22:22	02/15/24 12:12	1

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Client Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-6134-1
SDG: 03D2024239

Client Sample ID: BH04 E

Date Collected: 02/06/24 09:50
Date Received: 02/07/24 14:53

Lab Sample ID: 890-6134-7
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		02/10/24 22:22	02/15/24 12:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*02/10/24 22:22*	*02/15/24 12:12*	*1*
o-Terphenyl	*96*		*70 - 130*	*02/10/24 22:22*	*02/15/24 12:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**104**		4.96		mg/Kg			02/10/24 04:14	1

Client Sample ID: BH05 C

Date Collected: 02/06/24 10:05
Date Received: 02/07/24 14:53

Lab Sample ID: 890-6134-8
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/15/24 11:21	02/18/24 20:40	1
Toluene	**0.00702**		0.00199		mg/Kg		02/15/24 11:21	02/18/24 20:40	1
Ethylbenzene	**0.0458**		0.00199		mg/Kg		02/15/24 11:21	02/18/24 20:40	1
m-Xylene & p-Xylene	**0.0803**		0.00398		mg/Kg		02/15/24 11:21	02/18/24 20:40	1
o-Xylene	**0.194**		0.00199		mg/Kg		02/15/24 11:21	02/18/24 20:40	1
Xylenes, Total	**0.274**		0.00398		mg/Kg		02/15/24 11:21	02/18/24 20:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*02/15/24 11:21*	*02/18/24 20:40*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*02/15/24 11:21*	*02/18/24 20:40*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.327**		0.00398		mg/Kg			02/18/24 20:40	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**2000**		50.4		mg/Kg			02/15/24 16:36	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**153**		50.4		mg/Kg		02/10/24 22:22	02/15/24 16:36	1
Diesel Range Organics (Over C10-C28)	**1740**	***1**	50.4		mg/Kg		02/10/24 22:22	02/15/24 16:36	1
OII Range Organics (Over C28-C36)	**105**		50.4		mg/Kg		02/10/24 22:22	02/15/24 16:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*02/10/24 22:22*	*02/15/24 16:36*	*1*
o-Terphenyl	*91*		*70 - 130*	*02/10/24 22:22*	*02/15/24 16:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2920**		25.3		mg/Kg			02/10/24 05:08	5

Client Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-6134-1
SDG: 03D2024239

Client Sample ID: BH05 D

Date Collected: 02/06/24 10:15
Date Received: 02/07/24 14:53

Lab Sample ID: 890-6134-9
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/15/24 11:21	02/18/24 21:00	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/15/24 11:21	02/18/24 21:00	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/15/24 11:21	02/18/24 21:00	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/15/24 11:21	02/18/24 21:00	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/15/24 11:21	02/18/24 21:00	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/15/24 11:21	02/18/24 21:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*02/15/24 11:21*	*02/18/24 21:00*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*02/15/24 11:21*	*02/18/24 21:00*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/18/24 21:00	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			02/15/24 12:33	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		02/10/24 22:22	02/15/24 12:33	1
Diesel Range Organics (Over C10-C28)	<50.5	U *1	50.5		mg/Kg		02/10/24 22:22	02/15/24 12:33	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		02/10/24 22:22	02/15/24 12:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*02/10/24 22:22*	*02/15/24 12:33*	*1*
o-Terphenyl	*120*		*70 - 130*	*02/10/24 22:22*	*02/15/24 12:33*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**91.5**		5.02		mg/Kg			02/10/24 05:28	1

Client Sample ID: BH06 C

Date Collected: 02/06/24 12:15
Date Received: 02/07/24 14:53

Lab Sample ID: 890-6134-10
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/15/24 11:21	02/18/24 21:21	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/15/24 11:21	02/18/24 21:21	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/15/24 11:21	02/18/24 21:21	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		02/15/24 11:21	02/18/24 21:21	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/15/24 11:21	02/18/24 21:21	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/15/24 11:21	02/18/24 21:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*02/15/24 11:21*	*02/18/24 21:21*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*02/15/24 11:21*	*02/18/24 21:21*	*1*

Client Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-6134-1
SDG: 03D2024239

Client Sample ID: BH06 C

Lab Sample ID: 890-6134-10
Matrix: Solid
Date Collected: 02/06/24 12:15
Date Received: 02/07/24 14:53

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			02/18/24 21:21	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/15/24 12:55	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		02/10/24 22:22	02/15/24 12:55	1
Diesel Range Organics (Over C10-C28)	<49.7	U *1	49.7		mg/Kg		02/10/24 22:22	02/15/24 12:55	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/10/24 22:22	02/15/24 12:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*02/10/24 22:22*	*02/15/24 12:55*	*1*
o-Terphenyl	*113*		*70 - 130*	*02/10/24 22:22*	*02/15/24 12:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**80.3**		5.00		mg/Kg			02/10/24 05:35	1

Client Sample ID: BH07 C

Lab Sample ID: 890-6134-11
Matrix: Solid
Date Collected: 02/07/24 13:00
Date Received: 02/07/24 14:53

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/15/24 11:21	02/18/24 23:11	1
Toluene	**0.00676**		0.00200		mg/Kg		02/15/24 11:21	02/18/24 23:11	1
Ethylbenzene	**0.00329**		0.00200		mg/Kg		02/15/24 11:21	02/18/24 23:11	1
m-Xylene & p-Xylene	**0.00722**		0.00401		mg/Kg		02/15/24 11:21	02/18/24 23:11	1
o-Xylene	**0.00465**		0.00200		mg/Kg		02/15/24 11:21	02/18/24 23:11	1
Xylenes, Total	**0.0119**		0.00401		mg/Kg		02/15/24 11:21	02/18/24 23:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*02/15/24 11:21*	*02/18/24 23:11*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*02/15/24 11:21*	*02/18/24 23:11*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0219**		0.00401		mg/Kg			02/18/24 23:11	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**50.6**		50.0		mg/Kg			02/15/24 13:17	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/10/24 22:22	02/15/24 13:17	1
Diesel Range Organics (Over C10-C28)	**50.6**	***1**	50.0		mg/Kg		02/10/24 22:22	02/15/24 13:17	1

Client Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-6134-1
SDG: 03D2024239

Client Sample ID: BH07 C

Lab Sample ID: 890-6134-11
Matrix: Solid
Date Collected: 02/07/24 13:00
Date Received: 02/07/24 14:53

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/24 22:22	02/15/24 13:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*02/10/24 22:22*	*02/15/24 13:17*	*1*
o-Terphenyl	*128*		*70 - 130*	*02/10/24 22:22*	*02/15/24 13:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**103**		5.01		mg/Kg			02/10/24 05:42	1

Client Sample ID: BH07 D

Lab Sample ID: 890-6134-12
Matrix: Solid
Date Collected: 02/07/24 13:15
Date Received: 02/07/24 14:53

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/15/24 11:21	02/18/24 23:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/15/24 11:21	02/18/24 23:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/15/24 11:21	02/18/24 23:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/15/24 11:21	02/18/24 23:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/15/24 11:21	02/18/24 23:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/15/24 11:21	02/18/24 23:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*02/15/24 11:21*	*02/18/24 23:32*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*02/15/24 11:21*	*02/18/24 23:32*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/18/24 23:32	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**50.5**		49.9		mg/Kg			02/15/24 13:39	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/10/24 22:22	02/15/24 13:39	1
Diesel Range Organics (Over C10-C28)	**50.5**	***1**	49.9		mg/Kg		02/10/24 22:22	02/15/24 13:39	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/10/24 22:22	02/15/24 13:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*02/10/24 22:22*	*02/15/24 13:39*	*1*
o-Terphenyl	*90*		*70 - 130*	*02/10/24 22:22*	*02/15/24 13:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**215**		5.03		mg/Kg			02/10/24 05:49	1

Client Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-6134-1
SDG: 03D2024239

Client Sample ID: BH07 E

Date Collected: 02/06/24 13:20
Date Received: 02/07/24 14:53

Lab Sample ID: 890-6134-13
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/15/24 11:21	02/18/24 23:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/15/24 11:21	02/18/24 23:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/15/24 11:21	02/18/24 23:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/15/24 11:21	02/18/24 23:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/15/24 11:21	02/18/24 23:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/15/24 11:21	02/18/24 23:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*02/15/24 11:21*	*02/18/24 23:52*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*02/15/24 11:21*	*02/18/24 23:52*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/18/24 23:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**326**		49.8		mg/Kg			02/15/24 14:01	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/10/24 22:22	02/15/24 14:01	1
Diesel Range Organics (Over C10-C28)	**326**	***1**	49.8		mg/Kg		02/10/24 22:22	02/15/24 14:01	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/10/24 22:22	02/15/24 14:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*02/10/24 22:22*	*02/15/24 14:01*	*1*
o-Terphenyl	*101*		*70 - 130*	*02/10/24 22:22*	*02/15/24 14:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**469**		5.04		mg/Kg			02/10/24 06:09	1

Client Sample ID: BH11 A

Date Collected: 02/06/24 14:00
Date Received: 02/07/24 14:53

Lab Sample ID: 890-6134-14
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/15/24 11:21	02/19/24 00:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/15/24 11:21	02/19/24 00:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/15/24 11:21	02/19/24 00:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/15/24 11:21	02/19/24 00:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/15/24 11:21	02/19/24 00:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/15/24 11:21	02/19/24 00:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*02/15/24 11:21*	*02/19/24 00:13*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*02/15/24 11:21*	*02/19/24 00:13*	*1*

Client Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-6134-1
SDG: 03D2024239

Client Sample ID: BH11 A

Date Collected: 02/06/24 14:00
Date Received: 02/07/24 14:53

Lab Sample ID: 890-6134-14
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			02/19/24 00:13	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**125**		49.6		mg/Kg			02/15/24 14:46	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		02/10/24 22:22	02/15/24 14:46	1
Diesel Range Organics (Over C10-C28)	**125**	***1**	49.6		mg/Kg		02/10/24 22:22	02/15/24 14:46	1
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		02/10/24 22:22	02/15/24 14:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*02/10/24 22:22*	*02/15/24 14:46*	*1*
o-Terphenyl	*96*		*70 - 130*	*02/10/24 22:22*	*02/15/24 14:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**243**		5.00		mg/Kg			02/10/24 06:16	1

Client Sample ID: BH11 B

Date Collected: 02/06/24 14:10
Date Received: 02/07/24 14:53

Lab Sample ID: 890-6134-15
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/15/24 11:21	02/19/24 00:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/15/24 11:21	02/19/24 00:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/15/24 11:21	02/19/24 00:34	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/15/24 11:21	02/19/24 00:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/15/24 11:21	02/19/24 00:34	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/15/24 11:21	02/19/24 00:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*02/15/24 11:21*	*02/19/24 00:34*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*02/15/24 11:21*	*02/19/24 00:34*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			02/19/24 00:34	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**52.0**		50.1		mg/Kg			02/15/24 15:08	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		02/10/24 22:22	02/15/24 15:08	1
Diesel Range Organics (Over C10-C28)	**52.0**	***1**	50.1		mg/Kg		02/10/24 22:22	02/15/24 15:08	1

Client Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-6134-1
SDG: 03D2024239

Client Sample ID: BH11 B

Lab Sample ID: 890-6134-15
Matrix: Solid
Date Collected: 02/06/24 14:10
Date Received: 02/07/24 14:53

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		02/10/24 22:22	02/15/24 15:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*02/10/24 22:22*	*02/15/24 15:08*	*1*
o-Terphenyl	*93*		*70 - 130*	*02/10/24 22:22*	*02/15/24 15:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**75.5**		5.02		mg/Kg			02/10/24 06:23	1

Client Sample ID: BH11 C

Lab Sample ID: 890-6134-16
Matrix: Solid
Date Collected: 02/06/24 14:20
Date Received: 02/07/24 14:53

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/15/24 11:21	02/19/24 00:54	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/15/24 11:21	02/19/24 00:54	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/15/24 11:21	02/19/24 00:54	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		02/15/24 11:21	02/19/24 00:54	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/15/24 11:21	02/19/24 00:54	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/15/24 11:21	02/19/24 00:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*02/15/24 11:21*	*02/19/24 00:54*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*02/15/24 11:21*	*02/19/24 00:54*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			02/19/24 00:54	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			02/15/24 15:29	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		02/10/24 22:22	02/15/24 15:29	1
Diesel Range Organics (Over C10-C28)	<50.4	U *1	50.4		mg/Kg		02/10/24 22:22	02/15/24 15:29	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		02/10/24 22:22	02/15/24 15:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*02/10/24 22:22*	*02/15/24 15:29*	*1*
o-Terphenyl	*111*		*70 - 130*	*02/10/24 22:22*	*02/15/24 15:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**230**		4.99		mg/Kg			02/10/24 06:29	1

Client Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-6134-1
SDG: 03D2024239

Client Sample ID: BH12 A

Lab Sample ID: 890-6134-17
Matrix: Solid
Date Collected: 02/06/24 09:10
Date Received: 02/07/24 14:53

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/15/24 11:21	02/19/24 01:15	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/15/24 11:21	02/19/24 01:15	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/15/24 11:21	02/19/24 01:15	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/15/24 11:21	02/19/24 01:15	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/15/24 11:21	02/19/24 01:15	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/15/24 11:21	02/19/24 01:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*02/15/24 11:21*	*02/19/24 01:15*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*02/15/24 11:21*	*02/19/24 01:15*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/19/24 01:15	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			02/15/24 15:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		02/10/24 22:22	02/15/24 15:52	1
Diesel Range Organics (Over C10-C28)	<50.5	U *1	50.5		mg/Kg		02/10/24 22:22	02/15/24 15:52	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		02/10/24 22:22	02/15/24 15:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*02/10/24 22:22*	*02/15/24 15:52*	*1*
o-Terphenyl	*113*		*70 - 130*	*02/10/24 22:22*	*02/15/24 15:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**78.4**		5.01		mg/Kg			02/10/24 06:36	1

Client Sample ID: BH13 C

Lab Sample ID: 890-6134-18
Matrix: Solid
Date Collected: 02/07/24 09:30
Date Received: 02/07/24 14:53

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/15/24 11:21	02/19/24 01:35	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/15/24 11:21	02/19/24 01:35	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/15/24 11:21	02/19/24 01:35	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		02/15/24 11:21	02/19/24 01:35	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/15/24 11:21	02/19/24 01:35	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/15/24 11:21	02/19/24 01:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*02/15/24 11:21*	*02/19/24 01:35*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*02/15/24 11:21*	*02/19/24 01:35*	*1*

Client Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-6134-1
SDG: 03D2024239

Client Sample ID: BH13 C

Lab Sample ID: 890-6134-18
Matrix: Solid
Date Collected: 02/07/24 09:30
Date Received: 02/07/24 14:53

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			02/19/24 01:35	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			02/15/24 16:14	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		02/10/24 22:22	02/15/24 16:14	1
Diesel Range Organics (Over C10-C28)	<50.5	U *1	50.5		mg/Kg		02/10/24 22:22	02/15/24 16:14	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		02/10/24 22:22	02/15/24 16:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*02/10/24 22:22*	*02/15/24 16:14*	*1*
o-Terphenyl	*113*		*70 - 130*	*02/10/24 22:22*	*02/15/24 16:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2750**		24.9		mg/Kg			02/10/24 06:43	5

Client Sample ID: BH13 D

Lab Sample ID: 890-6134-19
Matrix: Solid
Date Collected: 02/07/24 09:40
Date Received: 02/07/24 14:53

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/15/24 11:21	02/19/24 01:56	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/15/24 11:21	02/19/24 01:56	1
Ethylbenzene	**0.00334**		0.00199		mg/Kg		02/15/24 11:21	02/19/24 01:56	1
m-Xylene & p-Xylene	**0.0179**		0.00398		mg/Kg		02/15/24 11:21	02/19/24 01:56	1
o-Xylene	**0.0900**		0.00199		mg/Kg		02/15/24 11:21	02/19/24 01:56	1
Xylenes, Total	**0.108**		0.00398		mg/Kg		02/15/24 11:21	02/19/24 01:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*02/15/24 11:21*	*02/19/24 01:56*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*02/15/24 11:21*	*02/19/24 01:56*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.111**		0.00398		mg/Kg			02/19/24 01:56	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**711**		50.3		mg/Kg			02/15/24 17:42	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**81.4**		50.3		mg/Kg		02/10/24 22:22	02/15/24 17:42	1
Diesel Range Organics (Over C10-C28)	**630**	***1**	50.3		mg/Kg		02/10/24 22:22	02/15/24 17:42	1

Client Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-6134-1
SDG: 03D2024239

Client Sample ID: BH13 D

Lab Sample ID: 890-6134-19
Matrix: Solid
Date Collected: 02/07/24 09:40
Date Received: 02/07/24 14:53

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		02/10/24 22:22	02/15/24 17:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*02/10/24 22:22*	*02/15/24 17:42*	*1*
o-Terphenyl	*120*		*70 - 130*	*02/10/24 22:22*	*02/15/24 17:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**98.0**		4.95		mg/Kg			02/10/24 07:03	1

Client Sample ID: BH13 E

Lab Sample ID: 890-6134-20
Matrix: Solid
Date Collected: 02/07/24 09:50
Date Received: 02/07/24 14:53

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/15/24 11:21	02/19/24 02:16	1
Toluene	**0.0201**		0.00198		mg/Kg		02/15/24 11:21	02/19/24 02:16	1
Ethylbenzene	**0.00577**		0.00198		mg/Kg		02/15/24 11:21	02/19/24 02:16	1
m-Xylene & p-Xylene	**0.0314**		0.00396		mg/Kg		02/15/24 11:21	02/19/24 02:16	1
o-Xylene	**0.104**		0.00198		mg/Kg		02/15/24 11:21	02/19/24 02:16	1
Xylenes, Total	**0.135**		0.00396		mg/Kg		02/15/24 11:21	02/19/24 02:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*02/15/24 11:21*	*02/19/24 02:16*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*02/15/24 11:21*	*02/19/24 02:16*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.161**		0.00396		mg/Kg			02/19/24 02:16	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1490**		55.6		mg/Kg			02/15/24 16:58	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**120**		55.6		mg/Kg		02/10/24 22:22	02/15/24 16:58	1
Diesel Range Organics (Over C10-C28)	**1290**	***1**	55.6		mg/Kg		02/10/24 22:22	02/15/24 16:58	1
OII Range Organics (Over C28-C36)	**83.3**		55.6		mg/Kg		02/10/24 22:22	02/15/24 16:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*02/10/24 22:22*	*02/15/24 16:58*	*1*
o-Terphenyl	*107*		*70 - 130*	*02/10/24 22:22*	*02/15/24 16:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**156**		5.02		mg/Kg			02/10/24 07:10	1

Client Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-6134-1
SDG: 03D2024239

Client Sample ID: BH13 F

Date Collected: 02/07/24 10:05
Date Received: 02/07/24 14:53

Lab Sample ID: 890-6134-21
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/15/24 12:26	02/17/24 09:48	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/15/24 12:26	02/17/24 09:48	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/15/24 12:26	02/17/24 09:48	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/15/24 12:26	02/17/24 09:48	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/15/24 12:26	02/17/24 09:48	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/15/24 12:26	02/17/24 09:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*76*		*70 - 130*	*02/15/24 12:26*	*02/17/24 09:48*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*02/15/24 12:26*	*02/17/24 09:48*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/17/24 09:48	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**57.2**		50.3		mg/Kg			02/15/24 19:55	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		02/10/24 22:25	02/15/24 19:55	1
Diesel Range Organics (Over C10-C28)	**57.2**	***1**	50.3		mg/Kg		02/10/24 22:25	02/15/24 19:55	1
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		02/10/24 22:25	02/15/24 19:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*02/10/24 22:25*	*02/15/24 19:55*	*1*
o-Terphenyl	*116*		*70 - 130*	*02/10/24 22:25*	*02/15/24 19:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**105**		5.03		mg/Kg			02/10/24 07:30	1

Client Sample ID: BH14 C

Date Collected: 02/07/24 12:25
Date Received: 02/07/24 14:53

Lab Sample ID: 890-6134-22
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/15/24 12:26	02/17/24 10:08	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/15/24 12:26	02/17/24 10:08	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/15/24 12:26	02/17/24 10:08	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		02/15/24 12:26	02/17/24 10:08	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/15/24 12:26	02/17/24 10:08	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/15/24 12:26	02/17/24 10:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*	*02/15/24 12:26*	*02/17/24 10:08*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*02/15/24 12:26*	*02/17/24 10:08*	*1*

Client Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-6134-1
SDG: 03D2024239

Client Sample ID: BH14 C

Date Collected: 02/07/24 12:25
Date Received: 02/07/24 14:53

Lab Sample ID: 890-6134-22
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			02/17/24 10:08	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/15/24 21:01	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/10/24 22:25	02/15/24 21:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		02/10/24 22:25	02/15/24 21:01	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/10/24 22:25	02/15/24 21:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*02/10/24 22:25*	*02/15/24 21:01*	*1*
o-Terphenyl	*110*		*70 - 130*	*02/10/24 22:25*	*02/15/24 21:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**618**		5.00		mg/Kg			02/10/24 07:37	1

Client Sample ID: BH14 D

Date Collected: 02/07/24 13:30
Date Received: 02/07/24 14:53

Lab Sample ID: 890-6134-23
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/15/24 12:26	02/17/24 10:29	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/15/24 12:26	02/17/24 10:29	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/15/24 12:26	02/17/24 10:29	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		02/15/24 12:26	02/17/24 10:29	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/15/24 12:26	02/17/24 10:29	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		02/15/24 12:26	02/17/24 10:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*02/15/24 12:26*	*02/17/24 10:29*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*02/15/24 12:26*	*02/17/24 10:29*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			02/17/24 10:29	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			02/10/24 18:03	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		02/09/24 15:00	02/10/24 18:03	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		02/09/24 15:00	02/10/24 18:03	1

Client Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-6134-1
SDG: 03D2024239

Client Sample ID: BH14 D

Date Collected: 02/07/24 13:30
Date Received: 02/07/24 14:53

Lab Sample ID: 890-6134-23

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		02/09/24 15:00	02/10/24 18:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*142*	*S1+*	*70 - 130*	*02/09/24 15:00*	*02/10/24 18:03*	*1*
o-Terphenyl	*151*	*S1+*	*70 - 130*	*02/09/24 15:00*	*02/10/24 18:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**99.3**		4.98		mg/Kg			02/10/24 07:44	1

Surrogate Summary

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-6134-1
SDG: 03D2024239

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)										
880-39112-A-5-C MS	Matrix Spike	108	101										
880-39112-A-5-D MSD	Matrix Spike Duplicate	103	115										
890-6134-1	BH02 B	100	93										
890-6134-1 MS	BH02 B	116	94										
890-6134-1 MSD	BH02 B	116	93										
890-6134-2	BH02 C	117	104										
890-6134-3	BH02 D	124	97										
890-6134-4	BH03 C	104	93										
890-6134-5	BH03 D	119	92										
890-6134-6	BH04 D	113	94										
890-6134-7	BH04 E	115	96										
890-6134-8	BH05 C	122	94										
890-6134-9	BH05 D	126	95										
890-6134-10	BH06 C	121	101										
890-6134-11	BH07 C	101	94										
890-6134-12	BH07 D	109	100										
890-6134-13	BH07 E	117	95										
890-6134-14	BH11 A	117	98										
890-6134-15	BH11 B	124	104										
890-6134-16	BH11 C	112	95										
890-6134-17	BH12 A	128	102										
890-6134-18	BH13 C	116	99										
890-6134-19	BH13 D	89	88										
890-6134-20	BH13 E	103	86										
890-6134-21	BH13 F	76	86										
890-6134-22	BH14 C	79	84										
890-6134-23	BH14 D	85	86										
LCS 880-73233/1-A	Lab Control Sample	117	102										
LCS 880-73253/1-A	Lab Control Sample	107	122										
LCSD 880-73233/2-A	Lab Control Sample Dup	101	102										
LCSD 880-73253/2-A	Lab Control Sample Dup	108	117										
MB 880-73189/5-A	Method Blank	69 S1-	79										
MB 880-73233/5-A	Method Blank	126	125										
MB 880-73253/5-A	Method Blank	73	92										

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)										
880-39168-A-21-E MS	Matrix Spike	82	73										
880-39168-A-21-F MSD	Matrix Spike Duplicate	99	92										
890-6134-1	BH02 B	100	103										
890-6134-1 MS	BH02 B	98	91										
890-6134-1 MSD	BH02 B	100	91										

Surrogate Summary

Client: Ensolum Job ID: 890-6134-1
Project/Site: BEVO 11 FEDERAL 004H SDG: 03D2024239

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)								
890-6134-2	BH02 C	116	120								
890-6134-3	BH02 D	124	130								
890-6134-4	BH03 C	100	100								
890-6134-5	BH03 D	127	134 S1+								
890-6134-6	BH04 D	84	84								
890-6134-7	BH04 E	92	96								
890-6134-8	BH05 C	92	91								
890-6134-9	BH05 D	114	120								
890-6134-10	BH06 C	108	113								
890-6134-11	BH07 C	122	128								
890-6134-12	BH07 D	86	90								
890-6134-13	BH07 E	97	101								
890-6134-14	BH11 A	91	96								
890-6134-15	BH11 B	88	93								
890-6134-16	BH11 C	106	111								
890-6134-17	BH12 A	108	113								
890-6134-18	BH13 C	108	113								
890-6134-19	BH13 D	117	120								
890-6134-20	BH13 E	112	107								
890-6134-21	BH13 F	114	116								
890-6134-21 MS	BH13 F	113	102								
890-6134-21 MSD	BH13 F	94	87								
890-6134-22	BH14 C	106	110								
890-6134-23	BH14 D	142 S1+	151 S1+								
LCS 880-72779/2-A	Lab Control Sample	105	103								
LCS 880-72805/2-A	Lab Control Sample	93	93								
LCS 880-72806/2-A	Lab Control Sample	110	112								
LCSD 880-72779/3-A	Lab Control Sample Dup	102	98								
LCSD 880-72805/3-A	Lab Control Sample Dup	121	121								
LCSD 880-72806/3-A	Lab Control Sample Dup	98	98								
MB 880-72779/1-A	Method Blank	164 S1+	183 S1+								
MB 880-72805/1-A	Method Blank	229 S1+	254 S1+								
MB 880-72806/1-A	Method Blank	251 S1+	277 S1+								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-6134-1
SDG: 03D2024239

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-73189/5-A
Matrix: Solid
Analysis Batch: 73320

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 73189

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/14/24 16:41	02/16/24 21:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/14/24 16:41	02/16/24 21:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/14/24 16:41	02/16/24 21:44	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/14/24 16:41	02/16/24 21:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/14/24 16:41	02/16/24 21:44	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/14/24 16:41	02/16/24 21:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*69*	*S1-*	*70 - 130*	*02/14/24 16:41*	*02/16/24 21:44*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*02/14/24 16:41*	*02/16/24 21:44*	*1*

Lab Sample ID: MB 880-73233/5-A
Matrix: Solid
Analysis Batch: 73417

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 73233

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/15/24 11:21	02/18/24 17:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/15/24 11:21	02/18/24 17:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/15/24 11:21	02/18/24 17:47	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/15/24 11:21	02/18/24 17:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/15/24 11:21	02/18/24 17:47	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/15/24 11:21	02/18/24 17:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*02/15/24 11:21*	*02/18/24 17:47*	*1*
1,4-Difluorobenzene (Surr)	*125*		*70 - 130*	*02/15/24 11:21*	*02/18/24 17:47*	*1*

Lab Sample ID: LCS 880-73233/1-A
Matrix: Solid
Analysis Batch: 73417

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 73233

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1096		mg/Kg		110	70 - 130		
Toluene			0.100	0.09306		mg/Kg		93	70 - 130		
Ethylbenzene			0.100	0.1193		mg/Kg		119	70 - 130		
m-Xylene & p-Xylene			0.200	0.2423		mg/Kg		121	70 - 130		
o-Xylene			0.100	0.1165		mg/Kg		116	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: LCSD 880-73233/2-A
Matrix: Solid
Analysis Batch: 73417

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 73233

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1115		mg/Kg		112	70 - 130	2	35

QC Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-6134-1
SDG: 03D2024239

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

Lab Sample ID: LCSD 880-73233/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 73417 — **Prep Batch: 73233**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.09710		mg/Kg		97	70 - 130	4	35
Ethylbenzene			0.100	0.1041		mg/Kg		104	70 - 130	14	35
m-Xylene & p-Xylene			0.200	0.1890		mg/Kg		94	70 - 130	25	35
o-Xylene			0.100	0.09933		mg/Kg		99	70 - 130	16	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 890-6134-1 MS — **Client Sample ID: BH02 B**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 73417 — **Prep Batch: 73233**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.100	0.1010		mg/Kg		101	70 - 130
Toluene	<0.00199	U	0.100	0.09169		mg/Kg		92	70 - 130
Ethylbenzene	<0.00199	U	0.100	0.1137		mg/Kg		113	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2201		mg/Kg		110	70 - 130
o-Xylene	<0.00199	U	0.100	0.1045		mg/Kg		104	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: 890-6134-1 MSD — **Client Sample ID: BH02 B**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 73417 — **Prep Batch: 73233**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.101	0.09240		mg/Kg		92	70 - 130	9	35
Toluene	<0.00199	U	0.101	0.08976		mg/Kg		89	70 - 130	2	35
Ethylbenzene	<0.00199	U	0.101	0.1079		mg/Kg		107	70 - 130	5	35
m-Xylene & p-Xylene	<0.00398	U	0.201	0.2135		mg/Kg		106	70 - 130	3	35
o-Xylene	<0.00199	U	0.101	0.1052		mg/Kg		105	70 - 130	1	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: MB 880-73253/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 73320 — **Prep Batch: 73253**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:26	02/17/24 08:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:26	02/17/24 08:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:26	02/17/24 08:24	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/15/24 12:26	02/17/24 08:24	1

QC Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-6134-1
SDG: 03D2024239

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

Lab Sample ID: MB 880-73253/5-A
Matrix: Solid
Analysis Batch: 73320

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 73253

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:26	02/17/24 08:24	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/15/24 12:26	02/17/24 08:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*73*		*70 - 130*	*02/15/24 12:26*	*02/17/24 08:24*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*02/15/24 12:26*	*02/17/24 08:24*	*1*

Lab Sample ID: LCS 880-73253/1-A
Matrix: Solid
Analysis Batch: 73320

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 73253

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09136		mg/Kg		91	70 - 130		
Toluene			0.100	0.08290		mg/Kg		83	70 - 130		
Ethylbenzene			0.100	0.09001		mg/Kg		90	70 - 130		
m-Xylene & p-Xylene			0.200	0.1872		mg/Kg		94	70 - 130		
o-Xylene			0.100	0.09263		mg/Kg		93	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*122*		*70 - 130*

Lab Sample ID: LCSD 880-73253/2-A
Matrix: Solid
Analysis Batch: 73320

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 73253

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1037		mg/Kg		104	70 - 130	13	35
Toluene			0.100	0.08674		mg/Kg		87	70 - 130	5	35
Ethylbenzene			0.100	0.1011		mg/Kg		101	70 - 130	12	35
m-Xylene & p-Xylene			0.200	0.2073		mg/Kg		104	70 - 130	10	35
o-Xylene			0.100	0.1022		mg/Kg		102	70 - 130	10	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*

Lab Sample ID: 880-39112-A-5-C MS
Matrix: Solid
Analysis Batch: 73320

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 73253

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U	0.100	0.07308		mg/Kg		73	70 - 130		
Toluene	<0.00199	U	0.100	0.07527		mg/Kg		75	70 - 130		
Ethylbenzene	<0.00199	U	0.100	0.08392		mg/Kg		84	70 - 130		
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1684		mg/Kg		84	70 - 130		
o-Xylene	<0.00199	U	0.100	0.08254		mg/Kg		82	70 - 130		

QC Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-6134-1
SDG: 03D2024239

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

Lab Sample ID: 880-39112-A-5-C MS
Matrix: Solid
Analysis Batch: 73320

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 73253

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-39112-A-5-D MSD
Matrix: Solid
Analysis Batch: 73320

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 73253

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.101	0.07562		mg/Kg		75	70 - 130	3	35
Toluene	<0.00199	U	0.101	0.07375		mg/Kg		73	70 - 130	2	35
Ethylbenzene	<0.00199	U	0.101	0.08016		mg/Kg		80	70 - 130	5	35
m-Xylene & p-Xylene	<0.00398	U	0.201	0.1611		mg/Kg		80	70 - 130	4	35
o-Xylene	<0.00199	U	0.101	0.07908		mg/Kg		79	70 - 130	4	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	115		70 - 130

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

Lab Sample ID: MB 880-72779/1-A
Matrix: Solid
Analysis Batch: 72796

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 72779

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/09/24 15:00	02/10/24 07:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/09/24 15:00	02/10/24 07:36	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/09/24 15:00	02/10/24 07:36	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	164	S1+	70 - 130	02/09/24 15:00	02/10/24 07:36	1
o-Terphenyl	183	S1+	70 - 130	02/09/24 15:00	02/10/24 07:36	1

Lab Sample ID: LCS 880-72779/2-A
Matrix: Solid
Analysis Batch: 72796

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 72779

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	920.8		mg/Kg		92	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	909.9		mg/Kg		91	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	103		70 - 130

QC Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-6134-1
SDG: 03D2024239

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

Lab Sample ID: LCSD 880-72779/3-A
Matrix: Solid
Analysis Batch: 72796

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 72779

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	914.9		mg/Kg		91	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	900.4		mg/Kg		90	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*102*		*70 - 130*
o-Terphenyl	*98*		*70 - 130*

Lab Sample ID: 880-39168-A-21-E MS
Matrix: Solid
Analysis Batch: 72796

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 72779

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	1010	1114		mg/Kg		106	70 - 130
Diesel Range Organics (Over C10-C28)	<50.2	U F1 F2	1010	629.0	F1	mg/Kg		59	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*82*		*70 - 130*
o-Terphenyl	*73*		*70 - 130*

Lab Sample ID: 880-39168-A-21-F MSD
Matrix: Solid
Analysis Batch: 72796

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 72779

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	1010	1156		mg/Kg		110	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<50.2	U F1 F2	1010	803.4	F2	mg/Kg		76	70 - 130	24	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*99*		*70 - 130*
o-Terphenyl	*92*		*70 - 130*

Lab Sample ID: MB 880-72805/1-A
Matrix: Solid
Analysis Batch: 73206

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 72805

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/10/24 22:22	02/15/24 07:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/10/24 22:22	02/15/24 07:31	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/24 22:22	02/15/24 07:31	1

QC Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-6134-1
SDG: 03D2024239

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

Lab Sample ID: MB 880-72805/1-A
Matrix: Solid
Analysis Batch: 73206

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 72805

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	229	S1+	70 - 130	02/10/24 22:22	02/15/24 07:31	1
o-Terphenyl	254	S1+	70 - 130	02/10/24 22:22	02/15/24 07:31	1

Lab Sample ID: LCS 880-72805/2-A
Matrix: Solid
Analysis Batch: 73206

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 72805

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	877.0		mg/Kg		88	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	813.3		mg/Kg		81	70 - 130		

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

Lab Sample ID: LCSD 880-72805/3-A
Matrix: Solid
Analysis Batch: 73206

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 72805

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	901.8		mg/Kg		90	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	1045	*1	mg/Kg		104	70 - 130	25	20

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

Lab Sample ID: 890-6134-1 MS
Matrix: Solid
Analysis Batch: 73206

Client Sample ID: BH02 B
Prep Type: Total/NA
Prep Batch: 72805

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	994	875.1		mg/Kg		84	70 - 130		
Diesel Range Organics (Over C10-C28)	266	*1	994	975.8		mg/Kg		71	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	91		70 - 130

QC Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-6134-1
SDG: 03D2024239

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

Lab Sample ID: 890-6134-1 MSD — **Client Sample ID: BH02 B**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 73206 — **Prep Batch: 72805**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	994	895.2		mg/Kg		86	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	266	*1	994	987.4		mg/Kg		73	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*100*		*70 - 130*
o-Terphenyl	*91*		*70 - 130*

Lab Sample ID: MB 880-72806/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 73206 — **Prep Batch: 72806**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/10/24 22:25	02/15/24 18:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/10/24 22:25	02/15/24 18:48	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/24 22:25	02/15/24 18:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*251*	*S1+*	*70 - 130*	*02/10/24 22:25*	*02/15/24 18:48*	*1*
o-Terphenyl	*277*	*S1+*	*70 - 130*	*02/10/24 22:25*	*02/15/24 18:48*	*1*

Lab Sample ID: LCS 880-72806/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 73206 — **Prep Batch: 72806**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1009		mg/Kg		101	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1051		mg/Kg		105	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*110*		*70 - 130*
o-Terphenyl	*112*		*70 - 130*

Lab Sample ID: LCSD 880-72806/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 73206 — **Prep Batch: 72806**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	949.6		mg/Kg		95	70 - 130	6	20
Diesel Range Organics (Over C10-C28)			1000	835.5	*1	mg/Kg		84	70 - 130	23	20

QC Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-6134-1
SDG: 03D2024239

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

Lab Sample ID: LCSD 880-72806/3-A
Matrix: Solid
Analysis Batch: 73206

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 72806

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

Lab Sample ID: 890-6134-21 MS
Matrix: Solid
Analysis Batch: 73206

Client Sample ID: BH13 F
Prep Type: Total/NA
Prep Batch: 72806

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	1010	1052		mg/Kg		100	70 - 130
Diesel Range Organics (Over C10-C28)	57.2	*1	1010	1149		mg/Kg		108	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	113		70 - 130
o-Terphenyl	102		70 - 130

Lab Sample ID: 890-6134-21 MSD
Matrix: Solid
Analysis Batch: 73206

Client Sample ID: BH13 F
Prep Type: Total/NA
Prep Batch: 72806

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	1010	884.3		mg/Kg		83	70 - 130	17	20
Diesel Range Organics (Over C10-C28)	57.2	*1	1010	969.8		mg/Kg		90	70 - 130	17	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	94		70 - 130
o-Terphenyl	87		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-72736/1-A
Matrix: Solid
Analysis Batch: 72791

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/10/24 00:57	1

Lab Sample ID: LCS 880-72736/2-A
Matrix: Solid
Analysis Batch: 72791

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride			250	261.5		mg/Kg		105	90 - 110

QC Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-6134-1
SDG: 03D2024239

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-72736/3-A
Matrix: Solid
Analysis Batch: 72791

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	260.2		mg/Kg		104	90 - 110	1	20

Lab Sample ID: 890-6130-A-1-B MS
Matrix: Solid
Analysis Batch: 72791

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	126		250	380.7		mg/Kg		102	90 - 110

Lab Sample ID: 890-6130-A-1-C MSD
Matrix: Solid
Analysis Batch: 72791

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	126		250	375.7		mg/Kg		100	90 - 110	1	20

Lab Sample ID: MB 880-72742/1-A
Matrix: Solid
Analysis Batch: 72792

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/10/24 04:48	1

Lab Sample ID: LCS 880-72742/2-A
Matrix: Solid
Analysis Batch: 72792

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride			250	251.4		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-72742/3-A
Matrix: Solid
Analysis Batch: 72792

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	249.4		mg/Kg		100	90 - 110	1	20

Lab Sample ID: 890-6134-8 MS
Matrix: Solid
Analysis Batch: 72792

Client Sample ID: BH05 C
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2920		1260	4233		mg/Kg		104	90 - 110

Lab Sample ID: 890-6134-8 MSD
Matrix: Solid
Analysis Batch: 72792

Client Sample ID: BH05 C
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2920		1260	4213		mg/Kg		102	90 - 110	0	20

QC Sample Results

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-6134-1
SDG: 03D2024239

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-6134-18 MS
Matrix: Solid
Analysis Batch: 72792

Client Sample ID: BH13 C
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	2750		1250	3907		mg/Kg		93	90 - 110		

Lab Sample ID: 890-6134-18 MSD
Matrix: Solid
Analysis Batch: 72792

Client Sample ID: BH13 C
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2750		1250	3906		mg/Kg		93	90 - 110	0	20

QC Association Summary

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-6134-1
SDG: 03D2024239

GC VOA

Prep Batch: 73189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-73189/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 73233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6134-1	BH02 B	Total/NA	Solid	5035	
890-6134-2	BH02 C	Total/NA	Solid	5035	
890-6134-3	BH02 D	Total/NA	Solid	5035	
890-6134-4	BH03 C	Total/NA	Solid	5035	
890-6134-5	BH03 D	Total/NA	Solid	5035	
890-6134-6	BH04 D	Total/NA	Solid	5035	
890-6134-7	BH04 E	Total/NA	Solid	5035	
890-6134-8	BH05 C	Total/NA	Solid	5035	
890-6134-9	BH05 D	Total/NA	Solid	5035	
890-6134-10	BH06 C	Total/NA	Solid	5035	
890-6134-11	BH07 C	Total/NA	Solid	5035	
890-6134-12	BH07 D	Total/NA	Solid	5035	
890-6134-13	BH07 E	Total/NA	Solid	5035	
890-6134-14	BH11 A	Total/NA	Solid	5035	
890-6134-15	BH11 B	Total/NA	Solid	5035	
890-6134-16	BH11 C	Total/NA	Solid	5035	
890-6134-17	BH12 A	Total/NA	Solid	5035	
890-6134-18	BH13 C	Total/NA	Solid	5035	
890-6134-19	BH13 D	Total/NA	Solid	5035	
890-6134-20	BH13 E	Total/NA	Solid	5035	
MB 880-73233/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-73233/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-73233/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-6134-1 MS	BH02 B	Total/NA	Solid	5035	
890-6134-1 MSD	BH02 B	Total/NA	Solid	5035	

Prep Batch: 73253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6134-21	BH13 F	Total/NA	Solid	5035	
890-6134-22	BH14 C	Total/NA	Solid	5035	
890-6134-23	BH14 D	Total/NA	Solid	5035	
MB 880-73253/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-73253/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-73253/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-39112-A-5-C MS	Matrix Spike	Total/NA	Solid	5035	
880-39112-A-5-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 73320

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6134-21	BH13 F	Total/NA	Solid	8021B	73253
890-6134-22	BH14 C	Total/NA	Solid	8021B	73253
890-6134-23	BH14 D	Total/NA	Solid	8021B	73253
MB 880-73189/5-A	Method Blank	Total/NA	Solid	8021B	73189
MB 880-73253/5-A	Method Blank	Total/NA	Solid	8021B	73253
LCS 880-73253/1-A	Lab Control Sample	Total/NA	Solid	8021B	73253
LCSD 880-73253/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	73253
880-39112-A-5-C MS	Matrix Spike	Total/NA	Solid	8021B	73253

QC Association Summary

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-6134-1
SDG: 03D2024239

GC VOA (Continued)

Analysis Batch: 73320 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39112-A-5-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	73253

Analysis Batch: 73417

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6134-1	BH02 B	Total/NA	Solid	8021B	73233
890-6134-2	BH02 C	Total/NA	Solid	8021B	73233
890-6134-3	BH02 D	Total/NA	Solid	8021B	73233
890-6134-4	BH03 C	Total/NA	Solid	8021B	73233
890-6134-5	BH03 D	Total/NA	Solid	8021B	73233
890-6134-6	BH04 D	Total/NA	Solid	8021B	73233
890-6134-7	BH04 E	Total/NA	Solid	8021B	73233
890-6134-8	BH05 C	Total/NA	Solid	8021B	73233
890-6134-9	BH05 D	Total/NA	Solid	8021B	73233
890-6134-10	BH06 C	Total/NA	Solid	8021B	73233
890-6134-11	BH07 C	Total/NA	Solid	8021B	73233
890-6134-12	BH07 D	Total/NA	Solid	8021B	73233
890-6134-13	BH07 E	Total/NA	Solid	8021B	73233
890-6134-14	BH11 A	Total/NA	Solid	8021B	73233
890-6134-15	BH11 B	Total/NA	Solid	8021B	73233
890-6134-16	BH11 C	Total/NA	Solid	8021B	73233
890-6134-17	BH12 A	Total/NA	Solid	8021B	73233
890-6134-18	BH13 C	Total/NA	Solid	8021B	73233
890-6134-19	BH13 D	Total/NA	Solid	8021B	73233
890-6134-20	BH13 E	Total/NA	Solid	8021B	73233
MB 880-73233/5-A	Method Blank	Total/NA	Solid	8021B	73233
LCS 880-73233/1-A	Lab Control Sample	Total/NA	Solid	8021B	73233
LCSD 880-73233/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	73233
890-6134-1 MS	BH02 B	Total/NA	Solid	8021B	73233
890-6134-1 MSD	BH02 B	Total/NA	Solid	8021B	73233

Analysis Batch: 73580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6134-1	BH02 B	Total/NA	Solid	Total BTEX	
890-6134-2	BH02 C	Total/NA	Solid	Total BTEX	
890-6134-3	BH02 D	Total/NA	Solid	Total BTEX	
890-6134-4	BH03 C	Total/NA	Solid	Total BTEX	
890-6134-5	BH03 D	Total/NA	Solid	Total BTEX	
890-6134-6	BH04 D	Total/NA	Solid	Total BTEX	
890-6134-7	BH04 E	Total/NA	Solid	Total BTEX	
890-6134-8	BH05 C	Total/NA	Solid	Total BTEX	
890-6134-9	BH05 D	Total/NA	Solid	Total BTEX	
890-6134-10	BH06 C	Total/NA	Solid	Total BTEX	
890-6134-11	BH07 C	Total/NA	Solid	Total BTEX	
890-6134-12	BH07 D	Total/NA	Solid	Total BTEX	
890-6134-13	BH07 E	Total/NA	Solid	Total BTEX	
890-6134-14	BH11 A	Total/NA	Solid	Total BTEX	
890-6134-15	BH11 B	Total/NA	Solid	Total BTEX	
890-6134-16	BH11 C	Total/NA	Solid	Total BTEX	
890-6134-17	BH12 A	Total/NA	Solid	Total BTEX	
890-6134-18	BH13 C	Total/NA	Solid	Total BTEX	
890-6134-19	BH13 D	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-6134-1
SDG: 03D2024239

GC VOA (Continued)

Analysis Batch: 73580 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6134-20	BH13 E	Total/NA	Solid	Total BTEX	
890-6134-21	BH13 F	Total/NA	Solid	Total BTEX	
890-6134-22	BH14 C	Total/NA	Solid	Total BTEX	
890-6134-23	BH14 D	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 72779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6134-23	BH14 D	Total/NA	Solid	8015NM Prep	
MB 880-72779/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-72779/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-72779/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-39168-A-21-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-39168-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 72796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6134-23	BH14 D	Total/NA	Solid	8015B NM	72779
MB 880-72779/1-A	Method Blank	Total/NA	Solid	8015B NM	72779
LCS 880-72779/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	72779
LCSD 880-72779/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	72779
880-39168-A-21-E MS	Matrix Spike	Total/NA	Solid	8015B NM	72779
880-39168-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	72779

Prep Batch: 72805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6134-1	BH02 B	Total/NA	Solid	8015NM Prep	
890-6134-2	BH02 C	Total/NA	Solid	8015NM Prep	
890-6134-3	BH02 D	Total/NA	Solid	8015NM Prep	
890-6134-4	BH03 C	Total/NA	Solid	8015NM Prep	
890-6134-5	BH03 D	Total/NA	Solid	8015NM Prep	
890-6134-6	BH04 D	Total/NA	Solid	8015NM Prep	
890-6134-7	BH04 E	Total/NA	Solid	8015NM Prep	
890-6134-8	BH05 C	Total/NA	Solid	8015NM Prep	
890-6134-9	BH05 D	Total/NA	Solid	8015NM Prep	
890-6134-10	BH06 C	Total/NA	Solid	8015NM Prep	
890-6134-11	BH07 C	Total/NA	Solid	8015NM Prep	
890-6134-12	BH07 D	Total/NA	Solid	8015NM Prep	
890-6134-13	BH07 E	Total/NA	Solid	8015NM Prep	
890-6134-14	BH11 A	Total/NA	Solid	8015NM Prep	
890-6134-15	BH11 B	Total/NA	Solid	8015NM Prep	
890-6134-16	BH11 C	Total/NA	Solid	8015NM Prep	
890-6134-17	BH12 A	Total/NA	Solid	8015NM Prep	
890-6134-18	BH13 C	Total/NA	Solid	8015NM Prep	
890-6134-19	BH13 D	Total/NA	Solid	8015NM Prep	
890-6134-20	BH13 E	Total/NA	Solid	8015NM Prep	
MB 880-72805/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-72805/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-72805/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6134-1 MS	BH02 B	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-6134-1
SDG: 03D2024239

GC Semi VOA (Continued)

Prep Batch: 72805 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6134-1 MSD	BH02 B	Total/NA	Solid	8015NM Prep	

Prep Batch: 72806

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6134-21	BH13 F	Total/NA	Solid	8015NM Prep	
890-6134-22	BH14 C	Total/NA	Solid	8015NM Prep	
MB 880-72806/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-72806/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-72806/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6134-21 MS	BH13 F	Total/NA	Solid	8015NM Prep	
890-6134-21 MSD	BH13 F	Total/NA	Solid	8015NM Prep	

Analysis Batch: 72970

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6134-1	BH02 B	Total/NA	Solid	8015 NM	
890-6134-2	BH02 C	Total/NA	Solid	8015 NM	
890-6134-3	BH02 D	Total/NA	Solid	8015 NM	
890-6134-4	BH03 C	Total/NA	Solid	8015 NM	
890-6134-5	BH03 D	Total/NA	Solid	8015 NM	
890-6134-6	BH04 D	Total/NA	Solid	8015 NM	
890-6134-7	BH04 E	Total/NA	Solid	8015 NM	
890-6134-8	BH05 C	Total/NA	Solid	8015 NM	
890-6134-9	BH05 D	Total/NA	Solid	8015 NM	
890-6134-10	BH06 C	Total/NA	Solid	8015 NM	
890-6134-11	BH07 C	Total/NA	Solid	8015 NM	
890-6134-12	BH07 D	Total/NA	Solid	8015 NM	
890-6134-13	BH07 E	Total/NA	Solid	8015 NM	
890-6134-14	BH11 A	Total/NA	Solid	8015 NM	
890-6134-15	BH11 B	Total/NA	Solid	8015 NM	
890-6134-16	BH11 C	Total/NA	Solid	8015 NM	
890-6134-17	BH12 A	Total/NA	Solid	8015 NM	
890-6134-18	BH13 C	Total/NA	Solid	8015 NM	
890-6134-19	BH13 D	Total/NA	Solid	8015 NM	
890-6134-20	BH13 E	Total/NA	Solid	8015 NM	
890-6134-21	BH13 F	Total/NA	Solid	8015 NM	
890-6134-22	BH14 C	Total/NA	Solid	8015 NM	
890-6134-23	BH14 D	Total/NA	Solid	8015 NM	

Analysis Batch: 73206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6134-1	BH02 B	Total/NA	Solid	8015B NM	72805
890-6134-2	BH02 C	Total/NA	Solid	8015B NM	72805
890-6134-3	BH02 D	Total/NA	Solid	8015B NM	72805
890-6134-4	BH03 C	Total/NA	Solid	8015B NM	72805
890-6134-5	BH03 D	Total/NA	Solid	8015B NM	72805
890-6134-6	BH04 D	Total/NA	Solid	8015B NM	72805
890-6134-7	BH04 E	Total/NA	Solid	8015B NM	72805
890-6134-8	BH05 C	Total/NA	Solid	8015B NM	72805
890-6134-9	BH05 D	Total/NA	Solid	8015B NM	72805
890-6134-10	BH06 C	Total/NA	Solid	8015B NM	72805
890-6134-11	BH07 C	Total/NA	Solid	8015B NM	72805

QC Association Summary

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-6134-1
SDG: 03D2024239

GC Semi VOA (Continued)

Analysis Batch: 73206 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6134-12	BH07 D	Total/NA	Solid	8015B NM	72805
890-6134-13	BH07 E	Total/NA	Solid	8015B NM	72805
890-6134-14	BH11 A	Total/NA	Solid	8015B NM	72805
890-6134-15	BH11 B	Total/NA	Solid	8015B NM	72805
890-6134-16	BH11 C	Total/NA	Solid	8015B NM	72805
890-6134-17	BH12 A	Total/NA	Solid	8015B NM	72805
890-6134-18	BH13 C	Total/NA	Solid	8015B NM	72805
890-6134-19	BH13 D	Total/NA	Solid	8015B NM	72805
890-6134-20	BH13 E	Total/NA	Solid	8015B NM	72805
890-6134-21	BH13 F	Total/NA	Solid	8015B NM	72806
890-6134-22	BH14 C	Total/NA	Solid	8015B NM	72806
MB 880-72805/1-A	Method Blank	Total/NA	Solid	8015B NM	72805
MB 880-72806/1-A	Method Blank	Total/NA	Solid	8015B NM	72806
LCS 880-72805/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	72805
LCS 880-72806/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	72806
LCSD 880-72805/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	72805
LCSD 880-72806/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	72806
890-6134-1 MS	BH02 B	Total/NA	Solid	8015B NM	72805
890-6134-1 MSD	BH02 B	Total/NA	Solid	8015B NM	72805
890-6134-21 MS	BH13 F	Total/NA	Solid	8015B NM	72806
890-6134-21 MSD	BH13 F	Total/NA	Solid	8015B NM	72806

HPLC/IC

Leach Batch: 72736

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6134-1	BH02 B	Soluble	Solid	DI Leach	
890-6134-2	BH02 C	Soluble	Solid	DI Leach	
890-6134-3	BH02 D	Soluble	Solid	DI Leach	
890-6134-4	BH03 C	Soluble	Solid	DI Leach	
890-6134-5	BH03 D	Soluble	Solid	DI Leach	
890-6134-6	BH04 D	Soluble	Solid	DI Leach	
890-6134-7	BH04 E	Soluble	Solid	DI Leach	
MB 880-72736/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-72736/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-72736/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-6130-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
890-6130-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 72742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6134-8	BH05 C	Soluble	Solid	DI Leach	
890-6134-9	BH05 D	Soluble	Solid	DI Leach	
890-6134-10	BH06 C	Soluble	Solid	DI Leach	
890-6134-11	BH07 C	Soluble	Solid	DI Leach	
890-6134-12	BH07 D	Soluble	Solid	DI Leach	
890-6134-13	BH07 E	Soluble	Solid	DI Leach	
890-6134-14	BH11 A	Soluble	Solid	DI Leach	
890-6134-15	BH11 B	Soluble	Solid	DI Leach	
890-6134-16	BH11 C	Soluble	Solid	DI Leach	
890-6134-17	BH12 A	Soluble	Solid	DI Leach	

QC Association Summary

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-6134-1
SDG: 03D2024239

HPLC/IC (Continued)

Leach Batch: 72742 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6134-18	BH13 C	Soluble	Solid	DI Leach	
890-6134-19	BH13 D	Soluble	Solid	DI Leach	
890-6134-20	BH13 E	Soluble	Solid	DI Leach	
890-6134-21	BH13 F	Soluble	Solid	DI Leach	
890-6134-22	BH14 C	Soluble	Solid	DI Leach	
890-6134-23	BH14 D	Soluble	Solid	DI Leach	
MB 880-72742/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-72742/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-72742/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-6134-8 MS	BH05 C	Soluble	Solid	DI Leach	
890-6134-8 MSD	BH05 C	Soluble	Solid	DI Leach	
890-6134-18 MS	BH13 C	Soluble	Solid	DI Leach	
890-6134-18 MSD	BH13 C	Soluble	Solid	DI Leach	

Analysis Batch: 72791

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6134-1	BH02 B	Soluble	Solid	300.0	72736
890-6134-2	BH02 C	Soluble	Solid	300.0	72736
890-6134-3	BH02 D	Soluble	Solid	300.0	72736
890-6134-4	BH03 C	Soluble	Solid	300.0	72736
890-6134-5	BH03 D	Soluble	Solid	300.0	72736
890-6134-6	BH04 D	Soluble	Solid	300.0	72736
890-6134-7	BH04 E	Soluble	Solid	300.0	72736
MB 880-72736/1-A	Method Blank	Soluble	Solid	300.0	72736
LCS 880-72736/2-A	Lab Control Sample	Soluble	Solid	300.0	72736
LCSD 880-72736/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	72736
890-6130-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	72736
890-6130-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	72736

Analysis Batch: 72792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6134-8	BH05 C	Soluble	Solid	300.0	72742
890-6134-9	BH05 D	Soluble	Solid	300.0	72742
890-6134-10	BH06 C	Soluble	Solid	300.0	72742
890-6134-11	BH07 C	Soluble	Solid	300.0	72742
890-6134-12	BH07 D	Soluble	Solid	300.0	72742
890-6134-13	BH07 E	Soluble	Solid	300.0	72742
890-6134-14	BH11 A	Soluble	Solid	300.0	72742
890-6134-15	BH11 B	Soluble	Solid	300.0	72742
890-6134-16	BH11 C	Soluble	Solid	300.0	72742
890-6134-17	BH12 A	Soluble	Solid	300.0	72742
890-6134-18	BH13 C	Soluble	Solid	300.0	72742
890-6134-19	BH13 D	Soluble	Solid	300.0	72742
890-6134-20	BH13 E	Soluble	Solid	300.0	72742
890-6134-21	BH13 F	Soluble	Solid	300.0	72742
890-6134-22	BH14 C	Soluble	Solid	300.0	72742
890-6134-23	BH14 D	Soluble	Solid	300.0	72742
MB 880-72742/1-A	Method Blank	Soluble	Solid	300.0	72742
LCS 880-72742/2-A	Lab Control Sample	Soluble	Solid	300.0	72742
LCSD 880-72742/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	72742
890-6134-8 MS	BH05 C	Soluble	Solid	300.0	72742

QC Association Summary

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-6134-1
SDG: 03D2024239

HPLC/IC (Continued)

Analysis Batch: 72792 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6134-8 MSD	BH05 C	Soluble	Solid	300.0	72742
890-6134-18 MS	BH13 C	Soluble	Solid	300.0	72742
890-6134-18 MSD	BH13 C	Soluble	Solid	300.0	72742

Lab Chronicle

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-6134-1
SDG: 03D2024239

Client Sample ID: BH02 B

Date Collected: 02/06/24 08:55
Date Received: 02/07/24 14:53

Lab Sample ID: 890-6134-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	73233	02/15/24 11:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73417	02/18/24 18:16	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73580	02/18/24 18:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			72970	02/15/24 10:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	72805	02/10/24 22:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73206	02/15/24 10:03	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	72736	02/09/24 11:40	SMC	EET MID
Soluble	Analysis	300.0		1			72791	02/10/24 03:20	CH	EET MID

Client Sample ID: BH02 C

Date Collected: 02/06/24 09:10
Date Received: 02/07/24 14:53

Lab Sample ID: 890-6134-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	73233	02/15/24 11:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73417	02/18/24 18:36	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73580	02/18/24 18:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			72970	02/15/24 11:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	72805	02/10/24 22:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73206	02/15/24 11:07	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	72736	02/09/24 11:40	SMC	EET MID
Soluble	Analysis	300.0		1			72791	02/10/24 03:40	CH	EET MID

Client Sample ID: BH02 D

Date Collected: 02/06/24 09:15
Date Received: 02/07/24 14:53

Lab Sample ID: 890-6134-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	73233	02/15/24 11:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73417	02/18/24 18:57	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73580	02/18/24 18:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			72970	02/15/24 11:28	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	72805	02/10/24 22:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73206	02/15/24 11:28	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	72736	02/09/24 11:40	SMC	EET MID
Soluble	Analysis	300.0		1			72791	02/10/24 03:47	CH	EET MID

Client Sample ID: BH03 C

Date Collected: 02/06/24 10:45
Date Received: 02/07/24 14:53

Lab Sample ID: 890-6134-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	73233	02/15/24 11:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73417	02/18/24 19:18	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73580	02/18/24 19:18	SM	EET MID

Lab Chronicle

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-6134-1
SDG: 03D2024239

Client Sample ID: BH03 C
Date Collected: 02/06/24 10:45
Date Received: 02/07/24 14:53

Lab Sample ID: 890-6134-4
Matrix: Solid

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			72970	02/15/24 17:20	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	72805	02/10/24 22:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73206	02/15/24 17:20	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	72736	02/09/24 11:40	SMC	EET MID
Soluble	Analysis	300.0		1			72791	02/10/24 03:54	CH	EET MID

Client Sample ID: BH03 D
Date Collected: 02/06/24 10:50
Date Received: 02/07/24 14:53

Lab Sample ID: 890-6134-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	73233	02/15/24 11:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73417	02/18/24 19:38	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73580	02/18/24 19:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			72970	02/15/24 11:50	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	72805	02/10/24 22:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73206	02/15/24 11:50	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	72736	02/09/24 11:40	SMC	EET MID
Soluble	Analysis	300.0		1			72791	02/10/24 04:00	CH	EET MID

Client Sample ID: BH04 D
Date Collected: 02/06/24 09:45
Date Received: 02/07/24 14:53

Lab Sample ID: 890-6134-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	73233	02/15/24 11:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73417	02/18/24 19:59	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73580	02/18/24 19:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			72970	02/15/24 18:04	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	72805	02/10/24 22:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73206	02/15/24 18:04	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	72736	02/09/24 11:40	SMC	EET MID
Soluble	Analysis	300.0		1			72791	02/10/24 04:07	CH	EET MID

Client Sample ID: BH04 E
Date Collected: 02/06/24 09:50
Date Received: 02/07/24 14:53

Lab Sample ID: 890-6134-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	73233	02/15/24 11:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73417	02/18/24 20:19	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73580	02/18/24 20:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			72970	02/15/24 12:12	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	72805	02/10/24 22:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73206	02/15/24 12:12	SM	EET MID

Lab Chronicle

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-6134-1
SDG: 03D2024239

Client Sample ID: BH04 E

Date Collected: 02/06/24 09:50
Date Received: 02/07/24 14:53

Lab Sample ID: 890-6134-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	72736	02/09/24 11:40	SMC	EET MID
Soluble	Analysis	300.0		1			72791	02/10/24 04:14	CH	EET MID

Client Sample ID: BH05 C

Date Collected: 02/06/24 10:05
Date Received: 02/07/24 14:53

Lab Sample ID: 890-6134-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	73233	02/15/24 11:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73417	02/18/24 20:40	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73580	02/18/24 20:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			72970	02/15/24 16:36	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	72805	02/10/24 22:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73206	02/15/24 16:36	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	72742	02/09/24 11:46	SMC	EET MID
Soluble	Analysis	300.0		5			72792	02/10/24 05:08	CH	EET MID

Client Sample ID: BH05 D

Date Collected: 02/06/24 10:15
Date Received: 02/07/24 14:53

Lab Sample ID: 890-6134-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	73233	02/15/24 11:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73417	02/18/24 21:00	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73580	02/18/24 21:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			72970	02/15/24 12:33	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	72805	02/10/24 22:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73206	02/15/24 12:33	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	72742	02/09/24 11:46	SMC	EET MID
Soluble	Analysis	300.0		1			72792	02/10/24 05:28	CH	EET MID

Client Sample ID: BH06 C

Date Collected: 02/06/24 12:15
Date Received: 02/07/24 14:53

Lab Sample ID: 890-6134-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	73233	02/15/24 11:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73417	02/18/24 21:21	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73580	02/18/24 21:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			72970	02/15/24 12:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	72805	02/10/24 22:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73206	02/15/24 12:55	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	72742	02/09/24 11:46	SMC	EET MID
Soluble	Analysis	300.0		1			72792	02/10/24 05:35	CH	EET MID

Lab Chronicle

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-6134-1
SDG: 03D2024239

Client Sample ID: BH07 C

Lab Sample ID: 890-6134-11
Matrix: Solid
Date Collected: 02/07/24 13:00
Date Received: 02/07/24 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	73233	02/15/24 11:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73417	02/18/24 23:11	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73580	02/18/24 23:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			72970	02/15/24 13:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	72805	02/10/24 22:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73206	02/15/24 13:17	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	72742	02/09/24 11:46	SMC	EET MID
Soluble	Analysis	300.0		1			72792	02/10/24 05:42	CH	EET MID

Client Sample ID: BH07 D

Lab Sample ID: 890-6134-12
Matrix: Solid
Date Collected: 02/07/24 13:15
Date Received: 02/07/24 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	73233	02/15/24 11:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73417	02/18/24 23:32	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73580	02/18/24 23:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			72970	02/15/24 13:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	72805	02/10/24 22:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73206	02/15/24 13:39	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	72742	02/09/24 11:46	SMC	EET MID
Soluble	Analysis	300.0		1			72792	02/10/24 05:49	CH	EET MID

Client Sample ID: BH07 E

Lab Sample ID: 890-6134-13
Matrix: Solid
Date Collected: 02/06/24 13:20
Date Received: 02/07/24 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	73233	02/15/24 11:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73417	02/18/24 23:52	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73580	02/18/24 23:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			72970	02/15/24 14:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	72805	02/10/24 22:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73206	02/15/24 14:01	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	72742	02/09/24 11:46	SMC	EET MID
Soluble	Analysis	300.0		1			72792	02/10/24 06:09	CH	EET MID

Client Sample ID: BH11 A

Lab Sample ID: 890-6134-14
Matrix: Solid
Date Collected: 02/06/24 14:00
Date Received: 02/07/24 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	73233	02/15/24 11:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73417	02/19/24 00:13	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73580	02/19/24 00:13	SM	EET MID

Lab Chronicle

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-6134-1
SDG: 03D2024239

Client Sample ID: BH11 A

Lab Sample ID: 890-6134-14
Matrix: Solid
Date Collected: 02/06/24 14:00
Date Received: 02/07/24 14:53

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			72970	02/15/24 14:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	72805	02/10/24 22:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73206	02/15/24 14:46	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	72742	02/09/24 11:46	SMC	EET MID
Soluble	Analysis	300.0		1			72792	02/10/24 06:16	CH	EET MID

Client Sample ID: BH11 B

Lab Sample ID: 890-6134-15
Matrix: Solid
Date Collected: 02/06/24 14:10
Date Received: 02/07/24 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	73233	02/15/24 11:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73417	02/19/24 00:34	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73580	02/19/24 00:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			72970	02/15/24 15:08	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	72805	02/10/24 22:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73206	02/15/24 15:08	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	72742	02/09/24 11:46	SMC	EET MID
Soluble	Analysis	300.0		1			72792	02/10/24 06:23	CH	EET MID

Client Sample ID: BH11 C

Lab Sample ID: 890-6134-16
Matrix: Solid
Date Collected: 02/06/24 14:20
Date Received: 02/07/24 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	73233	02/15/24 11:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73417	02/19/24 00:54	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73580	02/19/24 00:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			72970	02/15/24 15:29	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	72805	02/10/24 22:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73206	02/15/24 15:29	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	72742	02/09/24 11:46	SMC	EET MID
Soluble	Analysis	300.0		1			72792	02/10/24 06:29	CH	EET MID

Client Sample ID: BH12 A

Lab Sample ID: 890-6134-17
Matrix: Solid
Date Collected: 02/06/24 09:10
Date Received: 02/07/24 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	73233	02/15/24 11:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73417	02/19/24 01:15	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73580	02/19/24 01:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			72970	02/15/24 15:52	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	72805	02/10/24 22:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73206	02/15/24 15:52	SM	EET MID

Lab Chronicle

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-6134-1
SDG: 03D2024239

Client Sample ID: BH12 A

Lab Sample ID: 890-6134-17
Matrix: Solid
Date Collected: 02/06/24 09:10
Date Received: 02/07/24 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	72742	02/09/24 11:46	SMC	EET MID
Soluble	Analysis	300.0		1			72792	02/10/24 06:36	CH	EET MID

Client Sample ID: BH13 C

Lab Sample ID: 890-6134-18
Matrix: Solid
Date Collected: 02/07/24 09:30
Date Received: 02/07/24 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	73233	02/15/24 11:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73417	02/19/24 01:35	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73580	02/19/24 01:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			72970	02/15/24 16:14	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	72805	02/10/24 22:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73206	02/15/24 16:14	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	72742	02/09/24 11:46	SMC	EET MID
Soluble	Analysis	300.0		5			72792	02/10/24 06:43	CH	EET MID

Client Sample ID: BH13 D

Lab Sample ID: 890-6134-19
Matrix: Solid
Date Collected: 02/07/24 09:40
Date Received: 02/07/24 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	73233	02/15/24 11:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73417	02/19/24 01:56	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73580	02/19/24 01:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			72970	02/15/24 17:42	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	72805	02/10/24 22:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73206	02/15/24 17:42	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	72742	02/09/24 11:46	SMC	EET MID
Soluble	Analysis	300.0		1			72792	02/10/24 07:03	CH	EET MID

Client Sample ID: BH13 E

Lab Sample ID: 890-6134-20
Matrix: Solid
Date Collected: 02/07/24 09:50
Date Received: 02/07/24 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	73233	02/15/24 11:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73417	02/19/24 02:16	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73580	02/19/24 02:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			72970	02/15/24 16:58	SM	EET MID
Total/NA	Prep	8015NM Prep			9 g	10 mL	72805	02/10/24 22:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73206	02/15/24 16:58	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	72742	02/09/24 11:46	SMC	EET MID
Soluble	Analysis	300.0		1			72792	02/10/24 07:10	CH	EET MID

Lab Chronicle

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-6134-1
SDG: 03D2024239

Client Sample ID: BH13 F

Date Collected: 02/07/24 10:05
Date Received: 02/07/24 14:53

Lab Sample ID: 890-6134-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	73253	02/15/24 12:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73320	02/17/24 09:48	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73580	02/17/24 09:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			72970	02/15/24 19:55	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	72806	02/10/24 22:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73206	02/15/24 19:55	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	72742	02/09/24 11:46	SMC	EET MID
Soluble	Analysis	300.0		1			72792	02/10/24 07:30	CH	EET MID

Client Sample ID: BH14 C

Date Collected: 02/07/24 12:25
Date Received: 02/07/24 14:53

Lab Sample ID: 890-6134-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	73253	02/15/24 12:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73320	02/17/24 10:08	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73580	02/17/24 10:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			72970	02/15/24 21:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	72806	02/10/24 22:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73206	02/15/24 21:01	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	72742	02/09/24 11:46	SMC	EET MID
Soluble	Analysis	300.0		1			72792	02/10/24 07:37	CH	EET MID

Client Sample ID: BH14 D

Date Collected: 02/07/24 13:30
Date Received: 02/07/24 14:53

Lab Sample ID: 890-6134-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	73253	02/15/24 12:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73320	02/17/24 10:29	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73580	02/17/24 10:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			72970	02/10/24 18:03	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	72779	02/09/24 15:00	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72796	02/10/24 18:03	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	72742	02/09/24 11:46	SMC	EET MID
Soluble	Analysis	300.0		1			72792	02/10/24 07:44	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-6134-1
SDG: 03D2024239

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-6134-1
SDG: 03D2024239

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Ensolum
Project/Site: BEVO 11 FEDERAL 004H

Job ID: 890-6134-1
SDG: 03D2024239

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-6134-1	BH02 B	Solid	02/06/24 08:55	02/07/24 14:53
890-6134-2	BH02 C	Solid	02/06/24 09:10	02/07/24 14:53
890-6134-3	BH02 D	Solid	02/06/24 09:15	02/07/24 14:53
890-6134-4	BH03 C	Solid	02/06/24 10:45	02/07/24 14:53
890-6134-5	BH03 D	Solid	02/06/24 10:50	02/07/24 14:53
890-6134-6	BH04 D	Solid	02/06/24 09:45	02/07/24 14:53
890-6134-7	BH04 E	Solid	02/06/24 09:50	02/07/24 14:53
890-6134-8	BH05 C	Solid	02/06/24 10:05	02/07/24 14:53
890-6134-9	BH05 D	Solid	02/06/24 10:15	02/07/24 14:53
890-6134-10	BH06 C	Solid	02/06/24 12:15	02/07/24 14:53
890-6134-11	BH07 C	Solid	02/07/24 13:00	02/07/24 14:53
890-6134-12	BH07 D	Solid	02/07/24 13:15	02/07/24 14:53
890-6134-13	BH07 E	Solid	02/06/24 13:20	02/07/24 14:53
890-6134-14	BH11 A	Solid	02/06/24 14:00	02/07/24 14:53
890-6134-15	BH11 B	Solid	02/06/24 14:10	02/07/24 14:53
890-6134-16	BH11 C	Solid	02/06/24 14:20	02/07/24 14:53
890-6134-17	BH12 A	Solid	02/06/24 09:10	02/07/24 14:53
890-6134-18	BH13 C	Solid	02/07/24 09:30	02/07/24 14:53
890-6134-19	BH13 D	Solid	02/07/24 09:40	02/07/24 14:53
890-6134-20	BH13 E	Solid	02/07/24 09:50	02/07/24 14:53
890-6134-21	BH13 F	Solid	02/07/24 10:05	02/07/24 14:53
890-6134-22	BH14 C	Solid	02/07/24 12:25	02/07/24 14:53
890-6134-23	BH14 D	Solid	02/07/24 13:30	02/07/24 14:53

Chain of Custody

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Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

www.xenco.com Page 1 of 3

Project Manager:	Hadlie Green	Bill to: (if different)	
Company Name:	Ensolum	Company Name:	
Address:	601 N. Marienfeld St. #400	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-557-8895	Email:	hgreen@ensolum.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Bevo 11 Federal 004H	Turn Around	
Project Number:	03D2042391	☑ Routine ☐ Rush	
Project Location:	32.403 -103.5331	Due Date:	
Sampler's Name:	Peter Van Patten	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	Thermo 7
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	2.0
Total Containers:		Corrected Temperature:	1.8

ANALYSIS REQUEST

890-6134 Chain of Custody

Preservative Codes

None: NO DI Water: H_2O
Cool: Cool MeOH: Me
HCL: HC HNO_3: HN
~~H_2SO_4: H_2~~ ~~NaOH: Na~~
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
~~NaOH+Ascorbic Acid: SAPC~~

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: TPH	BTEX	Chlorides	Sample Comments
BH02 B	Soil	2-6-24	855	4	Comp	1		✓	✓	✓	
BH02 C			910	7							
BH02 D			915	8							
BH03 C		2.7.24	1045	4							
BH03 D			1050	5							
BH04 D		2.6.24	945	8							
BH04 E			950	9							
BH05 C			1005	5							
BH05 D			1015	7							
BH06 C			1215	4							

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Peter Van Patten	Sun 8	2/7/24 1453	2		
3			4		
5			6		

Revised Date 08/25/2020 Rev. 2020.2

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Chain of Custody

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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
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Work Order No: _____

Project Manager:	Hadlie Green	Bill to: (if different)	
Company Name:	Ensolum	Company Name:	
Address:	601 N. Marienfeld St. #400	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-557-8895	Email:	hgreen@ensolum.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Bovo 11 Federal 004H	Turn Around	
Project Number:	03D2024239	☑ Routine ☐ Rush	
Project Location:	32.4013, -103.5331	Due Date:	
Sampler's Name:	Peter Van Patten	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	TNM007
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	2.0
Total Containers:		Corrected Temperature:	1.8

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2SO_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: NaSO$_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: TPH	BTEX	Chlorides	Sample Comments
BH07C	Soil	2.6.24	1300	6	Comp	1		✓	✓	✓	
BH07D			1315	9							
BH07E			1320	10							
BH11A			1400	2							
BH11B			1410	4							
BH11C			1420	6							
BH12A		2.7.24	910	5							
BH13C			930	2							
BH13D			940	4							
BH13E			950	6							

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Peter Van Patten	Sunst	2/7/24 1453			
3			4		
5			6		

Revised Date 08/25/2020 Rev. 2020.2

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199
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Work Order No: _____

Page 3 of 3

Project Manager:	Hadlie Green	Bill to: (if different)	
Company Name:	Ensolum	Company Name:	
Address:	601 N. Marienfield St #400	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-557-8895	Email:	hgreen@ensolum.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Bevo 11 Federal 004H	Turn Around	☑ Routine ☐ Rush
Project Number:	03D2024239	Due Date:	
Project Location:	32.4013, -103.5331	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Peter Van Patten		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	TNM00
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	2.0
Total Containers:		Corrected Temperature:	1.8

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2SO_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Parameters: TPH	BTEX	Chlorides	Sample Comments
BH13F	Soil	2.7.24	1005	9	Comp	1	✓	✓	✓	
BH14C	↓	↓	1225	4	↓	↓	↓	↓	↓	
BH14D	↓	↓	1230	5	↓	↓	↓	↓	↓	

Peter Van Patten

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Peter Van Patten	Brunson	2/7/24 1433	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-6134-1
SDG Number: 03D2024239

Login Number: 6134
List Number: 1
Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-6134-1
SDG Number: 03D2024239

Login Number: 6134
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 02/09/24 11:25 AM

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

ENSOLUM

APPENDIX F

NMOCD Notifications

From: Wells, Shelly, EMNRD
To: Hadlie Green
Cc: Laird, Jacob; Esparza, Brittany; Peter Van Patten; Velez, Nelson, EMNRD; Bratcher, Michael, EMNRD
Subject: RE: [EXTERNAL] COP - Sampling Notification - Bevo 11 Federal 004H (Incident Number NAPP2329631879)
Date: Wednesday, November 15, 2023 3:00:42 PM
Attachments: image001.png
image002.png
image003.png
image004.png

[**EXTERNAL EMAIL**]

Good afternoon Hadlie,

The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thank you,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520|Shelly.Wells@emnrd.nm.gov
http://www.emnrd.state.nm.us/OCD/

From: Hadlie Green <hgreen@ensolum.com>
Sent: Wednesday, November 15, 2023 1:51 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Laird, Jacob <Jacob.Laird@conocophillips.com>; Esparza, Brittany <brittany.esparza@conocophillips.com>; Peter Van Patten <pvanpatten@ensolum.com>
Subject: [EXTERNAL] COP - Sampling Notification - Bevo 11 Federal 004H (Incident Number NAPP2329631879)

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

All,

COP anticipates collecting confirmation samples at the following location on Monday, November 20, 2023.

- Bevo 11 Federal 004H / NAPP2329631879
  - Sampling Date: 11/20-21/2023 @ 9:00 AM MST

- GPS: 32.4013, -103.5331

Thank you,

Hadlie Green
Project Geologist
432-557-8895
hgreen@ensolum.com
Ensolum, LLC

From: Wells, Shelly, EMNRD
To: Hadlie Green
Cc: Laird, Jacob; Esparza, Brittany; Peter Van Patten; Velez, Nelson, EMNRD; Bratcher, Michael, EMNRD
Subject: RE: [EXTERNAL] COP - Sampling Notification - Bevo 11 Federal 004H (Incident Number NAPP2329631879)
Date: Tuesday, November 21, 2023 12:27:23 PM
Attachments: image001.png
image002.png
image003.png
image004.png

[**EXTERNAL EMAIL**]

Hi Hadlie,

The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thank you,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520|Shelly.Wells@emnrd.nm.gov
http://www.emnrd.state.nm.us/OCD/

From: Hadlie Green <hgreen@ensolum.com>
Sent: Tuesday, November 21, 2023 10:49 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Cc: Laird, Jacob <Jacob.Laird@conocophillips.com>; Esparza, Brittany <brittany.esparza@conocophillips.com>; Peter Van Patten <pvanpatten@ensolum.com>
Subject: [EXTERNAL] COP - Sampling Notification - Bevo 11 Federal 004H (Incident Number NAPP2329631879)

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

All,

COP anticipates collecting confirmation samples at the following location on Monday, November 27, 2023.

- Bevo 11 Federal 004H / NAPP2329631879
  - Sampling Date: 11/27-28/2023 @ 9:00 AM MST
  - GPS: 32.4013, -103.5331

Thank you,

Hadlie Green
Project Geologist
432-557-8895
hgreen@ensolum.com
Ensolum, LLC

From: Velez, Nelson, EMNRD
To: Hadlie Green
Cc: Laird, Jacob; brittany.esparza@conocophillips.com; Peter Van Patten; Bratcher, Michael, EMNRD
Subject: Re: [EXTERNAL] COG - Extension Request - Bevo 11 Federal 004H (Incident Number NAPP2329631879)
Date: Tuesday, January 9, 2024 12:42:05 PM
Attachments: image001.png
image002.png
image003.png
image004.png
image.png
image.png
image.png
image.png
Outlook-0piled0t.png

[**EXTERNAL EMAIL**]
Good afternoon Hadlie,

Your 90-day time extension request is approved. Remediation Due date has been updated to April 15, 2024.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

The OCD requires a copy of all correspondence relative to remedial activities be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, sample events, spill/release/fire, and request for time extensions or variances.

Regards,

Nelson Velez ● Environmental Specialist - Adv
Environmental Bureau | EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87410
(505) 469-6146 | nelson.velez@emnrd.nm.gov
http://www.emnrd.state.nm.us/OCD/

Previous email submittal:

From: Hadlie Green <hgreen@ensolum.com>
Sent: Monday, January 8, 2024 9:47 AM

To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Laird, Jacob <Jacob.Laird@conocophillips.com>; Esparza, Brittany <brittany.esparza@conocophillips.com>; Peter Van Patten <pvanpatten@ensolum.com>
Subject: [EXTERNAL] COG - Extension Request - Bevo 11 Federal 004H (Incident Number NAPP2329631879)

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

To Whom It May Concern,

Bevo 11 Federal 004H (Incident Number NAPP2329631879)

COG Operating, LLC (COG) is requesting an extension for the current deadline of January 14, 2024, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC for Bevo 11 Federal 004H (Incident Number NAPP2329631879). The release was discovered on October 16, 2023. Initial site assessment activities have been completed and delineation activities are ongoing. In order to complete additional remediation activities and submit a remediation work plan or closure report, COG requests a 90-day extension of this deadline until April 13, 2024.

Thank you,

Hadlie Green
Project Geologist
432-557-8895
hgreen@ensolum.com
Ensolum, LLC

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Tuesday, January 9, 2024 11:04 AM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] COG - Extension Request - Bevo 11 Federal 004H (Incident Number NAPP2329631879)

From: Hadlie Green <hgreen@ensolum.com>
Sent: Monday, January 8, 2024 9:47 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Laird, Jacob <Jacob.Laird@conocophillips.com>; Esparza, Brittany <brittany.esparza@conocophillips.com>; Peter Van Patten <pvanpatten@ensolum.com>

Subject: [EXTERNAL] COG - Extension Request - Bevo 11 Federal 004H (Incident Number NAPP2329631879)

To Whom It May Concern,

Bevo 11 Federal 004H (Incident Number NAPP2329631879)

COG Operating, LLC (COG) is requesting an extension for the current deadline of January 14, 2024, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC for Bevo 11 Federal 004H (Incident Number NAPP2329631879). The release was discovered on October 16, 2023. Initial site assessment activities have been completed and delineation activities are ongoing. In order to complete additional remediation activities and submit a remediation work plan or closure report, COG requests a 90-day extension of this deadline until April 13, 2024.

Thank you,

Hadlie Green
Project Geologist
432-557-8895
hgreen@ensolum.com
Ensolum, LLC

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

QUESTIONS

Action 324590

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 324590
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2329631879**
Incident Name	**NAPP2329631879 BEVO 11 FEDERAL 004H @ 0**
Incident Type	**Release Other**
Incident Status	**Remediation Plan Received**
Incident Facility	**[fAPP2202734288] Bevo 11 Federal 4H-RT BTTY**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	BEVO 11 FEDERAL 004H
Date Release Discovered	10/16/2023
Surface Owner	State

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Corrosion | Flow Line - Production | Crude Oil | Released: 0 BBL | Recovered: 0 BBL | Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Corrosion | Flow Line - Production | Produced Water | Released: 4 BBL | Recovered: 0 BBL | Lost: 4 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 324590
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**More info needed to determine if this will be treated as a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	*Unavailable.*
Reasons why this would be considered a submission for a notification of a major release	*Unavailable.*
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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

I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 03/19/2024

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QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 324590
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 500 and 1000 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	None
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	9180
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	26500
GRO+DRO (EPA SW-846 Method 8015M)	26540
BTEX (EPA SW-846 Method 8021B or 8260B)	239
Benzene (EPA SW-846 Method 8021B or 8260B)	6.4
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	06/11/2024
On what date will (or did) the final sampling or liner inspection occur	09/09/2024
On what date will (or was) the remediation complete(d)	09/09/2024
What is the estimated surface area (in square feet) that will be reclaimed	6335
What is the estimated volume (in cubic yards) that will be reclaimed	6335
What is the estimated surface area (in square feet) that will be remediated	6335
What is the estimated volume (in cubic yards) that will be remediated	1175
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 324590
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	Bevo 11 Federal 4H-RT BTTY [fAPP2202734288]
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 03/19/2024
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 324590
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

District I
1625 N. French Dr., Hobbs, NM 88240
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QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 324590
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**310445**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**02/06/2024**
What was the (estimated) number of samples that were to be gathered	**15**
What was the sampling surface area in square feet	**5800**

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

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CONDITIONS

Action 324590

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 324590
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Remediation plan is approved as written. COG has 90-days (July 15, 2024) to submit to OCD its appropriate or final remediation closure report.	4/16/2024