



May 2, 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: Closure Request
Raspberry State Com 001H
Incident Number NAPP2402940801
Lea County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of COG Operating, LLC (COG), has prepared this *Closure Request* to document assessment and remediation activities performed at the Raspberry State Com 001H (Site). The purpose of the Site assessment and remediation activities was to address impacted soil following an overspray release of crude oil at the Site. Based on remediation activities described below, COG is submitting this *Closure Request*, requesting no further action and closure for Incident Number NAPP2402940801.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit P, Section 27, Township 21 South, Range 33 East, in Lea County, New Mexico (32.4437°, -103.552°) and is associated with oil and gas exploration and production operations on private land owned by Merchant Livestock Company (Merchant) and State Trust Land managed by the New Mexico State Land Office (NMSLO).

On January 18, 2024, a back pressure valve cut out on the well head causing an overspray release of approximately 12.18 barrels (bbls) of crude oil onto the pad and into the lined secondary containment, into the surrounding pasture, onto the Witherspoon 26 23 State #001H well pad managed and operated by Coterra Energy (Coterra, a recent merger between Cimarex Energy Co. and Cabot Oil & Gas), and onto the Merchant State Unit #601H well pad managed and operated by Matador Production Company (Matador). The well head was immediately isolated and repaired to prevent further release. COG notified Coterra, Matador, Merchant, and the NMSLO. COG reported the release to the New Mexico Oil Conservation Division (NMOCD) and submitted a *Release Notification Form C-141* (Form C-141) on April 5, 2024. The release was assigned Incident Number NAPP2402940801.

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 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. The closest permitted groundwater well with depth to groundwater is New Mexico Office of the State Engineer (NMOSE) well CP-1411 POD 1, located approximately 0.1 miles southwest of the Site. The groundwater well has a reported depth to groundwater of 800 feet bgs and a total depth of 1,149 feet bgs. As such, COG submitted a Closure Criteria Variance Request on February 1, 2024 and included the well casing and cement data. The NMOCD approved the Closure Criteria Variance on February 16, 2024. All wells used for depth to groundwater determination are presented on Figure 1. The referenced well records and Closure Criteria Variance Correspondence are included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a riverine, located approximately 10,162 feet southeast 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.

A Closure Criteria of 600 mg/kg chloride, 100 mg/kg TPH, and 50 mg/kg for BTEX was applied to private land owned by Merchant per the Surface Use and Compensation Agreement (SUCA) with COG.

LINER INTEGRITY INSPECTION ACTIVITIES

Immediately following the crude oil overspray release on January 18, 2024, COG power washed the lined containments affected by the release to remove any free-standing fluids and/or residual staining. A 48-hour advance notice of the liner inspection was submitted on March 7, 2024, to the NMOCD. A liner integrity inspection was conducted by Ensolum personnel on March 12, 2024, for lined containments at the Raspberry State Com 001H and the Witherspoon 26 23 State #001H well pads. Upon inspection, no rips, tears, holes, or damage was observed. The liners were determined to be sufficient, and all released fluids have been removed.

ASSESSMENT ACTIVITIES AND LABORATORY ANALYTICAL RESULTS

Between January 22, 2024, and March 14, 2024, Ensolum personnel visited the Site to evaluate the overspray release extent based on information provided on the Form C-141, visual observations, and an NMOCD approved scope of work (included in Appendix E). Eighty-nine assessment soil samples

(SS01 through SS89) were collected within and around the overspray extent at a depth of approximately 0.5 feet bgs to assess for the presence or absence of impacts soil resulting from the crude oil release. Additionally, one borehole was advanced at the location of SS14 via backhoe to assess the vertical extent of elevated historical chloride concentrations. The borehole was advanced to a depth of 4 feet bgs. The assessment soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. Field screening results and observations from the borehole were documented on a lithologic/sampling log, which is included as Appendix B. Borehole SS14 was backfilled with the soil removed. The release extent and 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 analysis of the following chemicals of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

Laboratory analytical results for soil samples SS03 through SS07, SS09 through SS14, SS16 through SS52, SS54, SS56, SS58, SS60 through SS64, SS68, SS70, SS71, SS74, and SS76 through SS89, indicated all COC concentrations were compliant with the Site Closure Criteria and reclamation requirement, where applicable. Laboratory analytical results for soil samples SS01, SS02, SS08, SS15, SS53, SS55, SS57, SS59, SS65 through SS67, SS69, SS72, SS73, and SS75, indicated TPH-GRO/TPH-DRO and/or TPH concentrations exceeded the Site Closure Criteria. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included as Appendix D. Based on laboratory analytical results, excavation and Micro-Blaze® application activities appeared to be warranted.

EXCAVATION ACTIVITIES, MICRO-BLAZE® ACTIVITIES, AND ANALYTICAL RESULTS

Between March 13, 2024, and April 28, 2024, Ensolum personnel were at the Site to oversee excavation activities based on laboratory analytical results for assessment soil samples SS01, SS02, SS08, and SS15. Excavation activities were performed utilizing a hydrovac and back-hoe. To direct excavation activities, soil was field screened for VOCs and chloride. The excavations were completed to depths ranging from 0.75 feet to 1-foot bgs. Photographic documentation of the excavation activities is included in Appendix C.

Following removal of impacted soil, 5-point composite soil samples were collected every 200 square feet from the floor and sidewalls of the excavation extents. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Confirmation soil samples FS-01 through FS-23 were collected from the floor of the excavation at depths ranging from 0.75 feet to 1-foot bgs. Confirmation soil samples SW-01 through SW-08 were collected from the sidewalls of the excavation at depths ranging from the ground surface to 1-foot bgs. The excavation soil samples were collected, handled, and analyzed following the same procedures as described above.

Laboratory analytical results for excavation soil samples FS-01, FS-02, FS-04, FS-06 through FS-09, FS-12, FS-13, FS-15, FS-16, FS-19 through FS-23, SW-01, SW-02, SW-03, and SW-05 through SW08 indicated all COC concentrations were compliant with the most stringent Table I Closure Criteria. Laboratory analytical results for excavation soil samples FS-03, FS-05, FS-10, FS-11, FS-17, FS-18,

and SW-09 indicated TPH and/or chloride concentrations exceeded the most stringent Table I Closure Criteria. Additional soil was removed and subsequent soil samples FS-03A, FS-05A, FS-10A, FS-11A, FS-14A, FS-17A, FS18A, and SW-09 were collected from the floor and sidewall of the excavation at depths ranging from the ground surface to 1.25 feet bgs. Laboratory analytical results for soil samples collected from the final excavation extent indicated all COC concentrations were compliant with the most stringent Table I Closure Criteria. The excavation extent and excavation soil sample locations are presented on Figure 3. Laboratory analytical results are summarized in Table 1 and laboratory analytical reports are included as Appendix D.

The excavation area measured approximately 4,585 square feet in areal extent. A total of approximately 200 cubic yards of impacted soil were removed during the excavation activities. The impacted soil was transported and properly disposed of at the Lea Land LLC Landfill in Jal, New Mexico.

Since excavation activities were completed on the active well pad and no excavation activities were completed in the pasture associated with NMSLO, an assessment of cultural properties had already been completed prior to the construction of the well pad and as such, the Cultural Properties Protection Rule (CPP) has been followed. No additional cultural resource surveys were completed in connection with this release. The release area is not expected to be reclaimed until the oil and gas well is plugged and abandoned and the well pad is reclaimed. The Reclamation Plan for this release will default to the NMSLO-approved Reclamation Plan for the well pad per 19.2.100.67 of the New Mexico Administrative Code (NMAC).

To address residual petroleum hydrocarbon impacts left in place, a 5 percent (%) solution of Micro-Blaze® with freshwater was applied to the impacted areas to promote natural attenuation of the hydrocarbons through biodegradation in the vicinity of assessment soil samples SS53, SS55, SS57, SS59, SS65 through SS67, SS69, SS72, SS73, and SS75. Subsequent soil samples SS53A, SS55A, SS57A, SS59A, SS65A through SS67A, SS69A, SS72A, SS73A, and SS75A (see Figure 2) were collected from the impacted area at an approximate depth of 0.5 feet bgs. The soil samples were collected, handled and analyzed following the same procedures as described above.

Laboratory analytical results for the assessment soil samples SS53A, SS55A, SS57A, SS59A, SS65A through SS67A, SS69A, SS72A, SS73A, and SS75A indicated all COC concentrations were compliant with the most stringent Table I Closure Criteria and successfully confirmed the natural attenuation of hydrocarbons through biodegradation. Laboratory analytical results are summarized in Table 1 and laboratory analytical reports are included as Appendix D. At the request of the private landowner, the pasture area immediately surrounding the COG well pad, owned by Merchant, was mowed and tilled. Photographic documentation of mowing activities is included as Appendix C.

CLOSURE REQUEST

Site assessment and remediation activities were conducted at the Site to address the January 2024 crude oil overspray release. Laboratory analytical results for assessment, delineation, excavation, and Micro-Blaze® application activities indicated all COC concentrations were compliant with the Site Closure Criteria and reclamation requirement, where applicable. Based on the soil sample analytical results, no further remediation is required.

Initial response efforts, excavation of impacted soil, and remediation activities have mitigated impacts at this Site. Depth to groundwater has been estimated to be greater than 100 feet bgs and no other sensitive receptors were identified near the release extent. COG believes these remedial actions are protective of human health, the environment, and groundwater. As such, COG respectfully requests

COG Operating, LLC
Closure Request
Raspberry State Com 001H

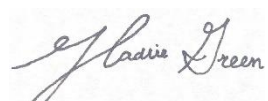
Page 5

closure for Incident Number NAPP2402940801. Notifications submitted to the NMOCD are included in Appendix E.

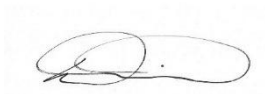
If you have any questions or comments, please contact Ms. Hadlie Green at (432) 557-8895 or hgreen@ensolum.com.

Sincerely,

Ensolum, LLC



Hadlie Green
Project Geologist



Daniel R. Moir, PG (licensed in WY & TX)
Senior Managing Geologist

cc: Jacob Laird, COG Operating, LLC
New Mexico State Land Office
Merchant Livestock Company
Coterra Energy
Matador Production Company

Appendices:

Figure 1	Site Receptor Map
Figure 2	Assessment Soil Sample Locations
Figure 3	Excavation Soil Sample Locations
Table 1	Soil Sample Analytical Results
Appendix A	Referenced Well Records
Appendix B	Lithologic/Soil Sampling Log
Appendix C	Photographic Log
Appendix D	Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix E	NMOCD Notifications

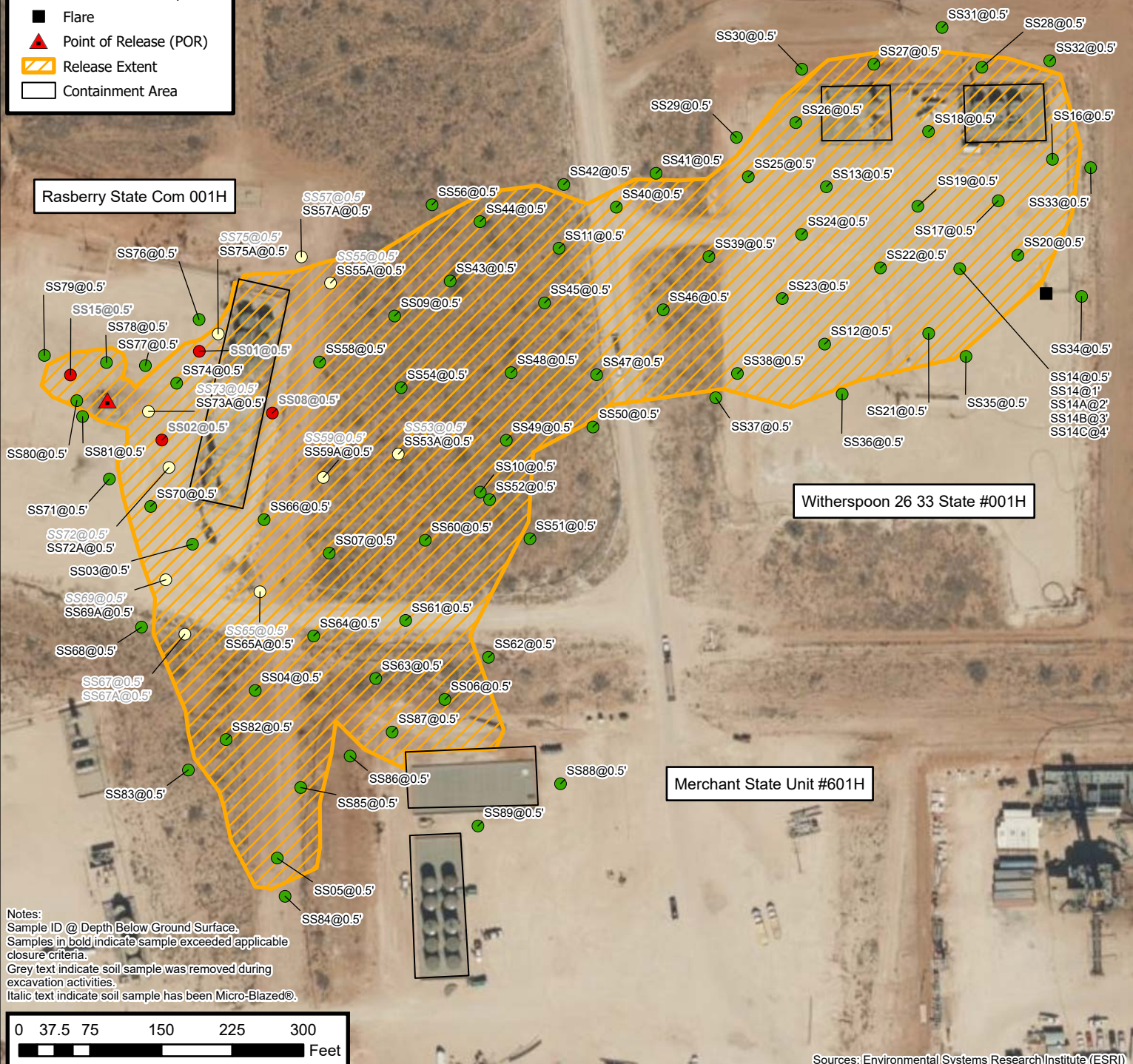


FIGURES

FIGURE
1

Legend

- Assessment Soil Sample in Compliance with Closure Criteria
- Assessment Soil Sample with Concentrations Exceeding Closure Criteria
- Micro-Blazed Samples
- Flare
- ▲ Point of Release (POR)
- Release Extent
- Containment Area



Assessment Soil Sample Locations

COG Operating, LLC
 Raspberry State Com 001H
 Incident Number: NAPP2402940801
 Unit P, Sec 27, T21S, R33E
 Lea County, New Mexico

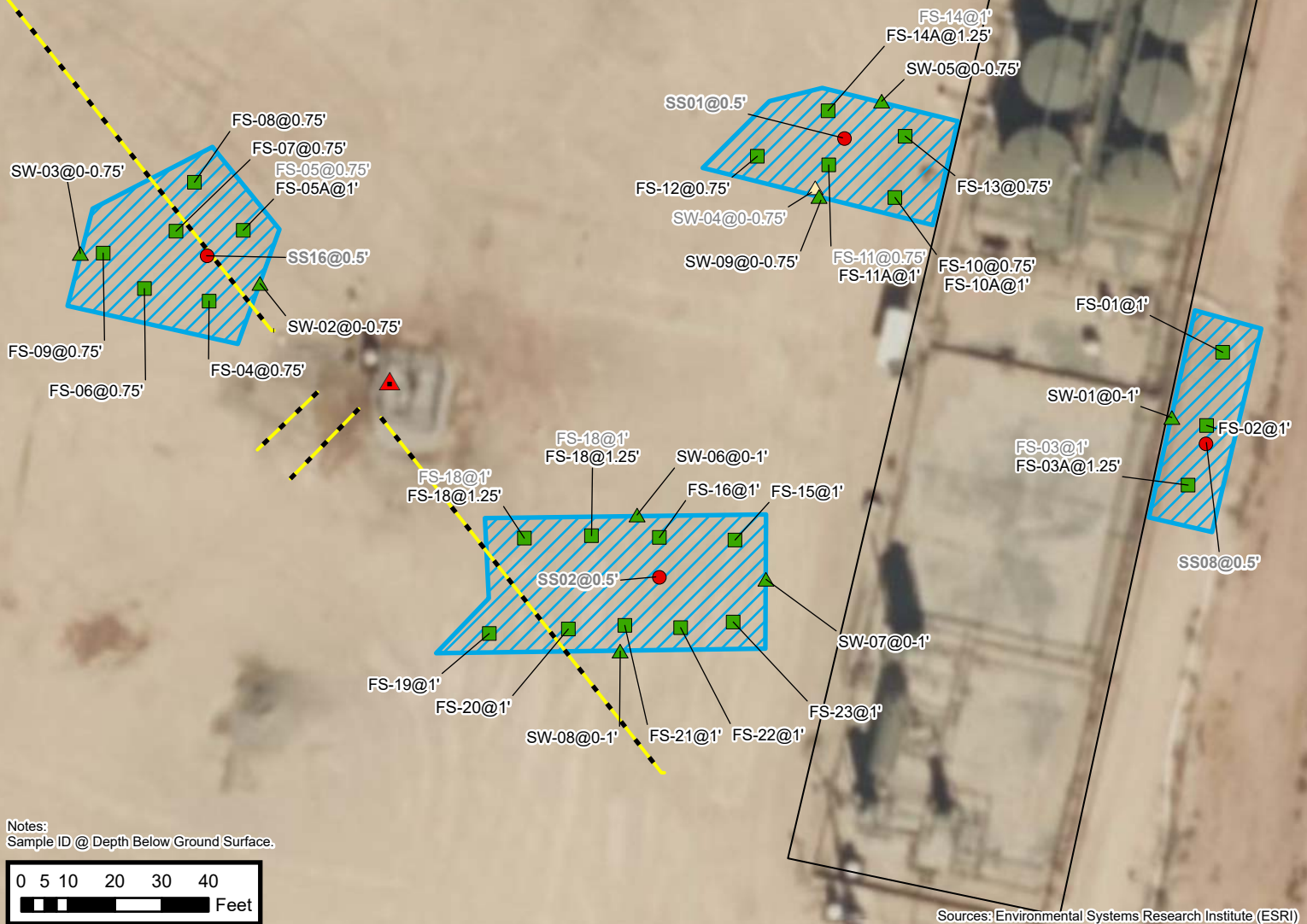
FIGURE

2



Legend

- Excavation Floor Sample in Compliance with Closure Criteria
- ▲ Excavation Sidewall Sample in Compliance with Closure Criteria
- △ Removed Sidewall Sample
- Assessment Soil Sample with Concentrations Exceeding Closure Criteria
- ▲ Point of Release (POR)
- Surface Utilities
- Containment Area
- ▨ Excavation Extent

**Excavation Soil Sample Locations**

COG Operating, LLC
 Raspberry State Com 001H
 Incident Number: NAPP2402940801
 Unit P, Sec 27, T21S, R33E
 Lea County, New Mexico

FIGURE**3**



TABLES



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Raspberry State Com 001H
 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)	TPH 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	01/22/2024	0.5	<0.00200	<0.00401	<50.3	115	<50.3	115	115	707
SS02	01/22/2024	0.5	<0.0994	8.20	257	1,850	236	2,107	2,340	297
SS03	01/22/2024	0.5	<0.00200	<0.00399	<50.0	100	<50.0	100	100	40.9
SS04*	01/22/2024	0.5	<0.00201	<0.00402	<49.7	12.3	<49.7	12.3	12.3	57.7
SS05*	01/22/2024	0.5	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	<5.04
SS06*	01/22/2024	0.5	<0.00198	<0.00396	<49.6	<49.6	<49.6	<49.6	<49.6	7.49
SS07*	01/22/2024	0.5	<0.00199	<0.00398	<50.2	<50.2	<50.2	<50.2	<50.2	15.2
SS08	01/22/2024	0.5	<0.00199	<0.00398	<50.3	1,120	201	1,120	1,320	186
SS09*	01/22/2024	0.5	<0.00200	<0.00399	<50.4	19.3	<50.4	19.3	19.3	25.3
SS10*	01/22/2024	0.5	<0.00201	<0.00402	<49.9	100	<49.9	100	100	25.4
SS11*	01/22/2024	0.5	<0.00200	<0.00399	<49.7	<49.7	<49.7	<49.7	<49.7	<5.01
SS12	01/22/2024	0.5	<0.00200	<0.00401	<49.9	52.8	<49.9	52.8	52.8	30.2
SS13	01/22/2024	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	55.7
SS14	01/22/2024	0.5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	2,960
SS14	03/13/2024	1	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	109
SS14A	03/13/2024	2	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	81.5
SS14B	03/13/2024	3	<0.00202	<0.00404	<49.8	<49.8	<49.8	<49.8	<49.8	88.9
SS14C	03/13/2024	4	<0.00201	<0.00402	<49.7	<49.7	<49.7	<49.7	<49.7	67.1
SS15	01/22/2024	0.5	<0.00201	<0.00402	<50.1	172	<50.1	172	172	205
SS16	03/12/2024	0 - 0.5	<0.00198	<0.00396	<50.0	90.1	<50.0	90.1	90.1	127
SS17	03/12/2024	0 - 0.5	<0.00201	<0.00402	<49.6	<49.6	<49.6	<49.6	<49.6	181
SS18	03/12/2024	0 - 0.5	<0.00202	<0.00403	<49.6	89.2	<49.6	89.2	89.2	106



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Raspberry State Com 001H
 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)	TPH 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
SS19	03/12/2024	0 - 0.5	<0.00172	<0.00344	<50.0	87.5	<50.0	87.5	87.5	115
SS20	03/12/2024	0 - 0.5	<0.00170	<0.00340	<49.9	61.8	<49.9	61.8	61.8	85.1
SS21	03/12/2024	0 - 0.5	<0.00189	<0.00378	<49.9	63.8	<49.9	63.8	63.8	250
SS22	03/12/2024	0 - 0.5	<0.00180	<0.00360	<50.1	90.2	<50.1	90.2	90.2	328
SS23	03/12/2024	0 - 0.5	<0.00180	<0.00360	<50.4	81.9	<50.4	81.9	81.9	225
SS24	03/12/2024	0 - 0.5	<0.00157	<0.00314	<50.0	47.3	<50.0	47.3	47.3	319
SS25	03/12/2024	0 - 0.5	<0.00159	<0.00318	<49.8	57.4	<49.8	57.4	57.4	74.3
SS26	03/12/2024	0 - 0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	83.2
SS27	03/12/2024	0 - 0.5	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	<50.0	61.6
SS28	03/12/2024	0 - 0.5	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	<49.9	68.4
SS29	03/12/2024	0 - 0.5	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	71.4
SS30	03/12/2024	0 - 0.5	<0.00202	<0.00403	<49.8	<49.8	<49.8	<49.8	<49.8	95.7
SS31	03/12/2024	0 - 0.5	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	148
SS32	03/12/2024	0 - 0.5	<0.00199	<0.00398	<50.1	<50.1	<50.1	<50.1	<50.1	471
SS33	03/12/2024	0 - 0.5	<0.00198	<0.00396	<50.3	<50.3	<50.3	<50.3	<50.3	468
SS34	03/12/2024	0 - 0.5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	67.4
SS35	03/12/2024	0 - 0.5	<0.00202	<0.00403	<49.7	<49.7	<49.7	<49.7	<49.7	95.0
SS36	03/12/2024	0 - 0.5	<0.00200	<0.00400	<50.5	68.1	<50.5	68.1	68.1	117
SS37	03/12/2024	0 - 0.5	<0.00199	<0.00398	<49.7	82.2	<49.7	82.2	82.2	66.2
SS38	03/12/2024	0 - 0.5	<0.00200	<0.00399	<49.7	83.9	<49.7	83.9	83.9	156
SS39	03/12/2024	0 - 0.5	<0.00201	<0.00402	<49.9	73.4	<49.9	73.4	73.4	88.1
SS40	03/12/2024	0 - 0.5	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	59.1
SS41	03/12/2024	0 - 0.5	<0.00199	<0.00398	<50.3	<50.3	<50.3	<50.3	<50.3	67.2



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
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 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)	TPH 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
SS42	03/12/2024	0 - 0.5	<0.00200	<0.00401	<50.1	<50.1	<50.1	<50.1	<50.1	105
SS43	03/14/2024	0 - 0.5	<0.00202	<0.00404	<49.8	<49.8	<49.8	<49.8	<49.8	66.6
SS44	03/14/2024	0 - 0.5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	58.8
SS45	03/14/2024	0 - 0.5	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	64.7
SS46	03/14/2024	0 - 0.5	<0.00199	<0.00398	<50.5	<50.5	<50.5	<50.5	<50.5	56.4
SS47	03/14/2024	0 - 0.5	<0.00202	<0.00403	<50.1	<50.1	<50.1	<50.1	<50.1	81.1
SS48	03/14/2024	0 - 0.5	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	67.5
SS49	03/14/2024	0 - 0.5	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	41.8
SS50	03/14/2024	0 - 0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	83.2
SS51	03/13/2024	0 - 0.5	<0.00201	<0.00402	<49.5	<49.5	<49.5	<49.5	<49.5	83.5
SS52	03/13/2024	0 - 0.5	<0.00198	<0.00396	<49.6	<49.6	<49.6	<49.6	<49.6	81.8
SS53	03/13/2024	0 - 0.5	<0.00199	<0.00398	<49.6	236	<49.6	236	236	446
SS53A	04/18/2024	0 - 0.5	<0.000383	<0.00100	37.0	36.5	<14.9	73.5	73.5	74.0
SS54	03/13/2024	0 - 0.5	<0.00200	<0.00401	<49.7	<49.7	<49.7	<49.7	<49.7	77.3
SS55	03/13/2024	0 - 0.5	<0.00202	<0.00404	<49.7	404	<49.7	404	404	91.6
SS55A	04/18/2024	0 - 0.5	<0.000383	<0.00101	39.2	31.8	<14.9	71.0	71.0	19.8
SS56	03/13/2024	0 - 0.5	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	66.3
SS57	03/13/2024	0 - 0.5	<0.00198	<0.00397	<50.1	424	<50.1	424	424	59.4
SS57A	04/18/2024	0 - 0.5	<0.000385	<0.00101	24.1	32.5	<14.9	56.6	56.6	18.7
SS58	03/13/2024	0 - 0.5	<0.00199	<0.00398	<50.1	<50.1	<50.1	<50.1	<50.1	86.5
SS59	03/13/2024	0 - 0.5	<0.00202	<0.00403	<50.0	440	<50.0	440	440	425
SS59A	04/18/2024	0 - 0.5	<0.000381	<0.00100	26.5	39.6	<14.9	66.1	66.1	69.0
SS60	03/13/2024	0 - 0.5	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	62



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Raspberry State Com 001H
 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)	TPH 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
SS61	03/13/2024	0 - 0.5	<0.00199	<0.00398	<50.1	<50.1	<50.1	<50.1	<50.1	84.2
SS62	03/13/2024	0 - 0.5	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	59.4
SS63	03/13/2024	0 - 0.5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	57.7
SS64	03/13/2024	0 - 0.5	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	<49.9	54.5
SS65	03/13/2024	0 - 0.5	<0.00200	<0.00399	<49.8	405	<49.8	405	405	65.9
SS65A	04/18/2024	0 - 0.5	<0.000389	<0.00102	29.9	41.5	<14.9	71.4	71.4	68.5
SS66	03/13/2024	0 - 0.5	<0.00200	<0.00401	<49.7	447	<49.7	447	447	72.8
SS66A	04/18/2024	0 - 0.5	<0.000384	<0.00101	37.3	34.0	<14.9	71.3	71.3	14.5
SS67	03/13/2024	0 - 0.5	<0.00201	<0.00402	<49.7	476	<49.7	476	476	90.8
SS67A	04/18/2024	0 - 0.5	<0.000387	<0.00102	35.8	29.0	<15.0	64.8	64.8	17.1
SS68	03/13/2024	0 - 0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	85.7
SS69	03/13/2024	0 - 0.5	<0.00202	<0.00403	<50.4	425	<50.4	425	425	444
SS69A	04/18/2024	0 - 0.5	<0.000386	<0.00101	38.5	28.3	<14.9	66.8	66.8	17.9
SS70	03/13/2024	0 - 0.5	<0.00200	<0.00401	<50.1	50	<50.1	50	50.3	111
SS71	03/13/2024	0 - 0.5	<0.00199	<0.00398	<50.2	<50.2	<50.2	<50.2	<50.2	63.8
SS72	03/13/2024	0 - 0.5	<0.00198	<0.00396	<50.2	469	<50.2	469	469	477
SS72A	04/18/2024	0 - 0.5	<0.000382	<0.00100	17.1	29.8	<14.9	46.9	46.9	12.5
SS73	03/13/2024	0 - 0.5	<0.00200	<0.00399	<50.0	334	<50.0	334	334	417
SS73A	04/18/2024	0 - 0.5	<0.000382	<0.00100	<15.0	16.7	<15.0	16.7	16.7	20.0
SS74	03/13/2024	0 - 0.5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	77.5
SS75	03/13/2024	0 - 0.5	<0.00202	<0.00404	<50.0	464	<50.0	464	464	96.4
SS75A	04/18/2024	0 - 0.5	<0.000381	<0.00100	<14.9	22.8	<14.9	22.8	22.8	16.6
SS76	03/13/2024	0 - 0.5	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	<50.0	91.1



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Raspberry State Com 001H
 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)	TPH 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
SS77	03/13/2024	0 - 0.5	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	93.5
SS78	03/13/2024	0 - 0.5	<0.00198	<0.00397	<49.8	<49.8	<49.8	<49.8	<49.8	91.9
SS79	03/13/2024	0 - 0.5	<0.00201	<0.00402	<49.7	<49.7	<49.7	<49.7	<49.7	99.1
SS80	03/13/2024	0 - 0.5	<0.00202	<0.00403	<49.7	<49.7	<49.7	<49.7	<49.7	68.1
SS81	03/13/2024	0 - 0.5	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	85.6
SS82	03/14/2024	0 - 0.5	<0.00200	<0.00401	<49.7	77.5	<49.7	77.5	77.5	113
SS83	03/14/2024	0 - 0.5	<0.00200	<0.00399	<50.1	<50.1	<50.1	<50.1	<50.1	61.0
SS84	03/14/2024	0 - 0.5	<0.00198	<0.00396	<49.9	88.5	<49.9	88.5	88.5	101
SS85	03/14/2024	0 - 0.5	<0.00202	<0.00403	<49.8	74.9	<49.8	74.9	74.9	66.5
SS86	03/14/2024	0 - 0.5	<0.00199	<0.00398	<50.1	69.2	<50.1	69.2	69.2	59.0
SS87	03/14/2024	0 - 0.5	<0.00200	<0.00400	<50.0	62.9	<50.0	62.9	62.9	70.4
SS88	03/14/2024	0 - 0.5	<0.00198	<0.00396	<50.0	90.6	<50.0	90.6	90.6	118
SS89	03/14/2024	0 - 0.5	<0.00201	<0.00402	<49.9	69.5	<49.9	69.5	69.5	58.0
Excavation Floor Soil Samples										
FS-01	03/13/2024	1	<0.00198	<0.00397	<49.7	<49.7	<49.7	<49.7	<49.7	123
FS-02	03/13/2024	1	<0.00200	<0.00400	<49.6	<49.6	<49.6	<49.6	<49.6	85.6
FS-03	03/13/2024	1	<0.00200	<0.00400	<49.5	120	<49.5	120	120	206
FS-03A	04/18/2024	1.25	<0.000389	<0.00102	47.8	18.6	<14.9	66.4	66.4	77.7
FS-04	03/14/2024	0.75	<0.00202	<0.00403	<50.0	68.6	<50.0	68.6	68.6	109
FS-05	03/14/2024	0.75	<0.00201	<0.00402	<50.5	112	<50.5	112	112	334
FS-05A	04/18/2024	1	<0.000389	<0.00102	<14.9	46.9	<14.9	46.9	46.9	75.6
FS-06	03/14/2024	0.75	<0.00198	<0.00397	<50.0	52.7	<50.0	52.7	52.7	143
FS-07	03/14/2024	0.75	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	114



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Raspberry State Com 001H
 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)	TPH 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
FS-08	03/14/2024	0.75	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	76.4
FS-09	03/14/2024	0.75	<0.00198	<0.00396	<49.8	<49.8	<49.8	<49.8	<49.8	214
FS-10	03/14/2024	0.75	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	<49.9	625
FS-10A	04/18/2024	1	<0.000384	<0.00101	<14.9	20.8	<14.9	20.8	20.8	78.0
FS-11	03/14/2024	0.75	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	854
FS-11A	04/18/2024	1	<0.000383	<0.00101	<14.9	19.2	<14.9	19.2	19.2	77.2
FS-12	03/14/2024	0.75	<0.00198	<0.00397	<49.8	<49.8	<49.8	<49.8	<49.8	112
FS-13	03/14/2024	0.75	<0.00200	<0.00399	<49.7	50.0	<49.7	50.0	50.0	444
FS-14	03/14/2024	1	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	<49.7	715
FS-14A	04/18/2024	1.25	<0.000385	<0.00101	<15.0	20.8	<15.0	20.8	20.8	69.7
FS-15	03/14/2024	1	<0.00199	<0.00398	<50.0	76.7	<50.0	76.7	76.7	76.4
FS-16	03/14/2024	1	<0.00198	<0.00396	<50.1	71.7	<50.1	71.7	71.7	67.0
FS-17	03/14/2024	1	<0.00201	<0.00402	<50.0	198	<50.0	198	198	86.9
FS-17A	04/18/2024	1.25	<0.000387	<0.00101	<14.9	27.2	<14.9	27.2	27.2	68.5
FS-18	03/14/2024	1	<0.00202	<0.00404	<50.0	215	<50.0	215	215	92.5
FS-18A	04/18/2024	1.25	<0.000388	<0.00102	<15.0	18.7	<15.0	18.7	18.7	72.3
FS-19	03/14/2024	1	<0.00200	<0.00401	<49.7	<49.7	<49.7	<49.7	<49.7	139
FS-20	03/14/2024	1	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	152
FS-21	03/14/2024	1	<0.00198	<0.00396	<49.8	<49.8	<49.8	<49.8	<49.8	136
FS-22	03/14/2024	1	<0.00202	<0.00403	<49.7	<49.7	<49.7	<49.7	<49.7	125
FS-23	03/14/2024	1	<0.00199	<0.00398	<49.7	75.8	<49.7	75.8	75.8	174



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Raspberry State Com 001H
 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)	TPH 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
Excavation Sidewall Soil Samples										
SW-01	03/13/2024	0 - 1	<0.00201	<0.00402	<50.0	95.9	<50.0	95.9	95.9	87.4
SW-02	03/14/2024	0 - 0.75	<0.00201	<0.00402	<49.7	74.7	<49.7	74.7	74.7	459
SW-03	03/14/2024	0 - 0.75	<0.00202	<0.00403	<49.7	77.4	<49.7	77.4	77.4	161
SW-04	03/14/2024	0 - 0.75	<0.00198	<0.00396	<49.6	52.6	<49.6	52.6	52.6	662
SW-05	03/14/2024	0 - 0.75	<0.00201	<0.00402	<49.5	50.0	<49.5	50.0	50.0	439
SW-06	03/14/2024	0 - 1	<0.00200	<0.00400	<49.6	65.8	<49.6	65.8	65.8	184
SW-07	03/14/2024	0 - 1	<0.00198	<0.00396	<49.9	55.6	<49.9	55.6	55.6	197
SW-08	03/14/2024	0 - 1	<0.00201	<0.00402	<49.9	52.1	<49.9	52.1	52.1	171
SW-09	04/18/2024	0 - 0.75	<0.000383	<0.00101	<15.0	19.9	<15.0	19.9	19.9	69.6

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 or reclamation standard where applicable.**Grey** text represents samples that have been excavated

* 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.

~~Strike-through~~ text represents sample has been Micro-Blazed®



APPENDIX A

Referenced Well Records



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NUMBER (WELL NUMBER) POD 1 CP-1411				OSE FILE NUMBER(S)			
	WELL OWNER NAME(S) BC Operating				PHONE (OPTIONAL) 432-684-9696			
	WELL OWNER MAILING ADDRESS 4000 Big Spring St. STE 310				CITY Midland		STATE TX	ZIP 79705
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 26	SECONDS 32.4 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84			
LONGITUDE 103 33 12.9 W								
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE								
2. DRILLING & CASING INFORMATION	LICENSE NUMBER 1723		NAME OF LICENSED DRILLER Randal P Stewart			NAME OF WELL DRILLING COMPANY Stewart Brothers Drilling Company		
	DRILLING STARTED 10/9/14	DRILLING ENDED 10/14/14	DEPTH OF COMPLETED WELL (FT) 1149	BORE HOLE DEPTH (FT) 1149	DEPTH WATER FIRST ENCOUNTERED (FT) 800			
	COMPLETED WELL IS: ☒ ARTESIAN ☐ DRY HOLE ☐ SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A		
	DRILLING FLUID: ☐ AIR ☒ MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: ☐ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER - SPECIFY:							
	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE	CASING INSIDE DIAM (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	0	40	20	A 53 Grade B	Welded	15.5	.250	
	+2	800	14 3/4	A 53 Grade B	Threaded	10.02	.365	
	780	1149	9 7/8	A 53 Grade B	Welded	8	.322	.125
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	0	40	20	Neat Cement	31	Pressure via Tremi		
	0	800	14 3/4	Class C (Chief Services)	540 Sks	Chief Services		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/08/2012)

FILE NUMBER CP-1411	POD NUMBER 1	TRN NUMBER 554668
LOCATION Exp	215.33E.34.22	

PAGE 1 OF 2

204 DEC 26 AM 9: 11
HOD.

Released to Imaging: 6/3/2024 1:16:19 PM



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

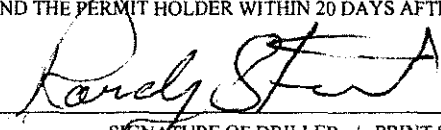
www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NUMBER (WELL NUMBER) POD 2 CP-1411				OSE FILE NUMBER(S)			
	WELL OWNER NAME(S) BC Operating				PHONE (OPTIONAL) 432-684-9696			
	WELL OWNER MAILING ADDRESS 4000 Big Spring St. STE 310				CITY Midland	STATE TX	ZIP 79705	
	WELL LOCATION (FROM GPS)	DEGREES		MINUTES	SECONDS			
		LATITUDE	32	26	31.6	N	* ACCURACY REQUIRED ONE TENTH OF A SECOND	
		LONGITUDE	103	33	29.5	W	* DATUM REQUIRED: WGS 84	
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE								
2. DRILLING & CASING INFORMATION	LICENSE NUMBER 1723		NAME OF LICENSED DRILLER Randal P Stewart			NAME OF WELL DRILLING COMPANY Stewart Brothers Drilling Company		
	DRILLING STARTED 10/1/14		DRILLING ENDED 10/7/14		DEPTH OF COMPLETED WELL (FT) 10/8/14	BORE HOLE DEPTH (FT) 1125	DEPTH WATER FIRST ENCOUNTERED (FT) 840	
	COMPLETED WELL IS: ☒ ARTESIAN ☐ DRY HOLE ☐ SHALLOW (UNCONFINED)						STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	
	DRILLING FLUID: ☐ AIR ☒ MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: ☒ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	40	20	A 53 Grade B	Welded	15.5	.250	
	+2	756	14 3/4	A 53 Grade B	Threaded	10.02	.365	
	744	1125	14 3/4 9 7/8	A 53 Grade B	Welded	8	.322	.125
STATE ENGINEER'S OFFICE NORMAL SPRING, TEXAS 2014 DEC 26 AM 11:00								
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
	0	40	20	Neat Cement	31	Pressure via Tremie		
	0	756	14 3/4	Class C (Chief Services)	545 Sks	Chief Services		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/08/2012)

FILE NUMBER	CP-1411	POD NUMBER	2	TRN NUMBER	554668
LOCATION	Exp 2 / 5.33E.34.21				PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	40	40	Brown Fine Sand and Clavs. some caliche	☐ Y ☒ N	
	40	100	60	Reddish Brown clavs and Sands	☐ Y ☒ N	
	100	200	100	Clavs and Sands	☐ Y ☒ N	
	200	300	100	Red and Brown clay with some sand	☐ Y ☒ N	
	300	400	100	Red Clay	☐ Y ☒ N	
	400	500	100	Clay and Sand	☐ Y ☒ N	
	500	700	200	Reddish and gray clay	☐ Y ☒ N	
	700	765	65	Red Clay and harder sands and gravels	☐ Y ☒ N	
	765	770	5	Fine sand	☐ Y ☒ N	
	770	810	40	Grav Shale	☐ Y ☒ N	
	810	820	10	Grav Brown Sandstone	☐ Y ☒ N	
	820	830	10	Grav and Brown SS	☐ Y ☒ N	
	830	840	10	Grav Brown SS	☐ Y ☒ N	
	840	1125	285	Santa Rosa Sand	☒ Y ☐ N	
					☐ Y ☐ N	
					☐ Y ☐ N	
					☐ Y ☐ N	
					☐ Y ☐ N	
					☐ Y ☐ N	
					☐ Y ☐ N	
					☐ Y ☐ N	
					☐ Y ☐ N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: ☒ PUMP					TOTAL ESTIMATED WELL YIELD (gpm): 50	
☐ AIR LIFT ☐ BAILER ☐ OTHER - SPECIFY:						
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.				
	MISCELLANEOUS INFORMATION:					
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Danny White, Don Ward, Davis Gaddy					
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 20 DAYS AFTER COMPLETION OF WELL DRILLING:  <u>Randy Stewart</u> <u>10/30/14</u> SIGNATURE OF DRILLER / PRINT SIGNEE NAME DATE					

STATE ENGINEER
 ROSWELL, NEW MEXICO
 2014 DEC 26
 9

FOR USE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/08/2012)

FILE NUMBER	CP-1411	POD NUMBER	2	TRN NUMBER	354668
LOCATION	Exp	215.33E.34.21			PAGE 2 OF 2

From: [Velez, Nelson, EMNRD](#)
To: [Hadlie Green](#)
Cc: [Laird, Jacob](#)
Subject: Re: [EXTERNAL] COP - Raspberry State Com 001H (Incident Number NAPP2402940801) - Closure Criteria Variance Request
Date: Friday, February 16, 2024 3:02:36 PM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[Outlook-vuclek1q.png](#)
[Outlook-znm5t5ol.png](#)

[**EXTERNAL EMAIL**]

Howdy Hadlie,

Upon review of the information you provided, your variance request is approved.

The water well data does not appear to be within the down gradient direction. Since this water well is positioned laterally and its depth to water is recorded at 800 feet, the probability of it being adversely effected is highly inconceivable from the 20 bbl release that occurred.

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.

Have an enjoyable weekend.

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/>



From: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Sent: Friday, February 16, 2024 9:38 AM
To: Hadlie Green <hgreen@ensolum.com>
Cc: Laird, Jacob <Jacob.Laird@conocophillips.com>
Subject: Re: [EXTERNAL] COP - Raspberry State Com 001H (Incident Number NAPP2402940801) - Closure Criteria Variance Request

Good morning Hadlie,

Thanks for the correspondence. No, the information you provided is sufficient. I will have a response to you by EOD.

Be safe today.

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/>



From: Hadlie Green <hgreen@ensolum.com>
Sent: Friday, February 16, 2024 9:31 AM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Cc: Laird, Jacob <Jacob.Laird@conocophillips.com>
Subject: RE: [EXTERNAL] COP - Raspberry State Com 001H (Incident Number NAPP2402940801) - Closure Criteria Variance Request

Good morning Nelson,

I wanted to circle back to this request and confirm that you don't need anything additional from us to review the variance request below.

Thank you for your time and consideration,



Hadlie Green

Project Geologist

432-557-8895

hgreen@ensolum.com

Ensolum, LLC

in f 

From: Hadlie Green

Sent: Wednesday, February 7, 2024 2:15 PM

To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>

Cc: Laird, Jacob <Jacob.Laird@conocophillips.com>; Peter Van Patten <pvanpatten@ensolum.com>

Subject: RE: [EXTERNAL] COP - Raspberry State Com 001H (Incident Number NAPP2402940801) - Closure Criteria Variance Request

Good afternoon,

Thank you for taking the time to review this variance request. Please see the attached figure of the surface gradient and median groundwater flow direction for the Raspberry State Com 001H (Incident Number NAPP2402940801). Let me know if you have any questions or need additional information.

Thank you,



Hadlie Green

Project Geologist

432-557-8895

hgreen@ensolum.com

Ensolum, LLC

in f 

From: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>

Sent: Friday, February 2, 2024 10:22 AM

To: Hadlie Green <hgreen@ensolum.com>

Cc: Laird, Jacob <Jacob.Laird@conocophillips.com>; Peter Van Patten <pvanpatten@ensolum.com>

Subject: Re: [EXTERNAL] COP - Raspberry State Com 001H (Incident Number NAPP2402940801) - Closure Criteria Variance Request

[**EXTERNAL EMAIL**]

Good morning Hadlie,

Thanks for the correspondence,

As I mentioned in our phone conversation this morning, please provide supporting documentaion of the surface gradient and median groundwater flow direction prior to myself making a determination toward your variance.

Have a safe and productive day!

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/>



From: Hadlie Green <hgreen@ensolum.com>

Sent: Thursday, February 1, 2024 9:30 AM

To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>

Cc: Laird, Jacob <Jacob.Laird@conocophillips.com>; Peter Van Patten <pvanpatten@ensolum.com>

Subject: [EXTERNAL] COP - Raspberry State Com 001H (Incident Number NAPP2402940801) - Closure Criteria Variance Request

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good morning Nelson,

I'd like to request a Closure Criteria Variance for an incident that occurred on January 18, 2024 at a COG Operating, LLC (COG) Site Raspberry State Com 001H (Incident Number NAPP2402940801; 32.4437, -103.552).

A back pressure valve on the well head failed, resulting in the release of approximately 12 barrels (bbls) of crude oil. COG will vertically and laterally delineate the release per NMAC 19.15.29.

Attached is a borelog for the nearest groundwater well, CP-1411 POD 1, located approximately 481 feet southwest of the Site. The groundwater well was drilled in October of 2014 and has a reported depth to groundwater of 800 feet below ground surface (bgs) and a total depth of 1,149 feet bgs. Although the groundwater well is within 1,000 feet from the Site, the well is steel cased and cemented to a depth of 800 feet bgs. The well is perforated from 780 feet bgs

to 1,149 feet bgs. Based on the cemented steel casing to 800 feet bgs, the release does not present a threat to the well or groundwater beneath the release area. COG requests a Closure Criteria Variance to reflect groundwater greater than 100 feet bgs as shown in Table 1 of 19.15.29.12 NMAC.

Please let me know if you have any questions,



Hadlie Green

Project Geologist

432-557-8895

hgreen@ensolum.com

Ensolum, LLC

in f 



APPENDIX B

Lithologic Soil Sampling Log

 ENSOLUM							Sample Name: SS14		Date: 3/13/2024
							Site Name: Raspberry State Com 001H		
							Incident Number: NAPP2402940801		
							Job Number: 03D2024253		
LITHOLOGIC / SOIL SAMPLING LOG							Logged By: Tabitha Guadian		Method: HA
Coordinates: 32.4437, -103.552							Hole Diameter: 4"		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.									
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions	
						0			
D	<179.2	0.0	N	SS14	1	1	CCHE	Caliche to sand, brown, no staining, no odor.	
M	<179.2	0.0	N	SS14A	2	2	SP	Sand, moist, fine grained, red/brown, no staining, no odor.	
M	<179.2	0.1	N	SS14B	3	3	SP	SAA	
M	<179.2	0.1	N	SS14C	4	4	SP	SAA	
									Total Depth: 4' below ground surface



APPENDIX C

Photographic Log

**Photographic Log**

COG Operating, LLC

Raspberry State Com 001H

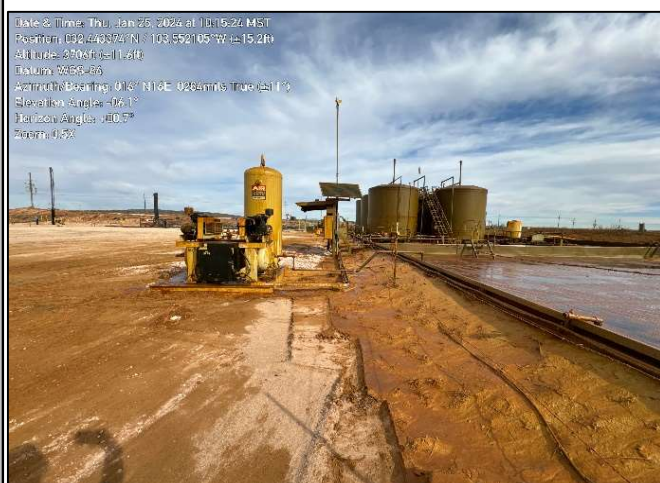
Incident Number: NAPP2402940801



Photograph: 1 Date: 1/22/2024
Description: Soil staining in release footprint
View: Northwest



Photograph: 2 Date: 1/25/2024
Description: Soil staining in release footprint
View: Southwest



Photograph: 3 Date: 1/25/2024
Description: Soil staining in release footprint
View: Northeast



Photograph: 4 Date: 1/25/2024
Description: Soil staining in release footprint
View: Northeast

**Photographic Log**

COG Operating, LLC

Raspberry State Com 001H

Incident Number: NAPP2402940801



Photograph: 5 Date: 1/25/2024
 Description: Assessment activities on the Matador Merchant well pad, facing northeast.



Photograph: 6 Date: 3/12/2024
 Description: Assessment activities on the Coterra Witherspoon well pad, facing southwest.



Photograph: 7 Date: 3/12/2024
 Description: Assessment activities on the Coterra Witherspoon well pad, facing southwest.



Photograph: 8 Date: 3/12/2024
 Description: Assessment activities on the Coterra Witherspoon well pad, facing northwest.

**Photographic Log**

COG Operating, LLC

Raspberry State Com 001H

Incident Number: NAPP2402940801



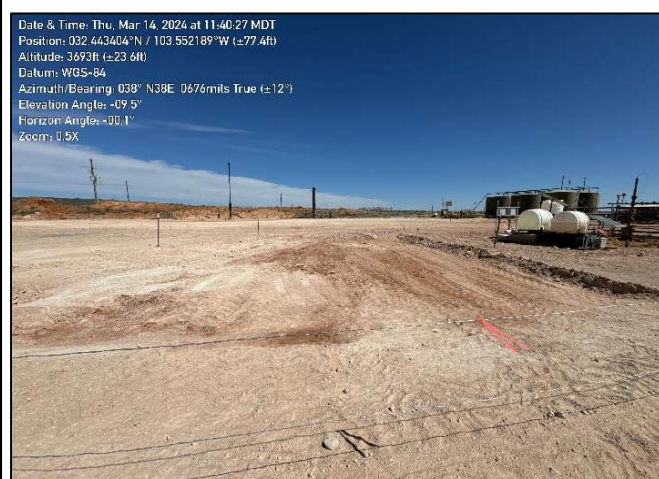
Photograph: 9 Date: 3/13/2024
Description: Excavation Activities
View: Southwest



Photograph: 10 Date: 3/14/2024
Description: Excavation Activities
View: Southeast



Photograph: 11 Date: 3/15/2024
Description: Excavation Activities
View: Southeast



Photograph: 12 Date: 3/14/2024
Description: Excavation Activities
View: Northeast

**Photographic Log**

COG Operating, LLC

Raspberry State Com 001H

Incident Number: NAPP2402940801



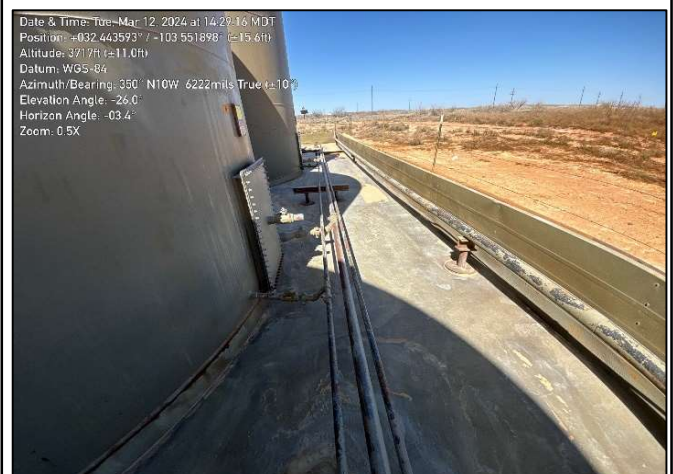
Photograph: 13 Date: 3/12/2024
Description: COG Raspberry State Com 001H well pad location sign, facing northeast.



Photograph: 14 Date: 3/12/2024
Description: COG Raspberry State Com 001H liner deemed to be in good condition, facing northeast.



Photograph: 15 Date: 3/12/2024
Description: COG Raspberry State Com 001H liner deemed to be in good condition, facing northeast.



Photograph: 16 Date: 3/12/2024
Description: COG Raspberry State Com 001H liner deemed to be in good condition, facing northeast.

**Photographic Log**

COG Operating, LLC

Raspberry State Com 001H

Incident Number: NAPP2402940801



Photograph: 17 Date: 3/12/2023
Description: Coterra Witherspoon 26-23 State Com 1H well pad location sign, facing northeast.



Photograph: 18 Date: 3/12/2024
Description: Coterra Witherspoon 26-23 State Com 1H liner deemed to be in good condition, facing northeast.



Photograph: 19 Date: 3/12/2024
Description: Coterra Witherspoon 26-23 State Com 1H liner deemed to be in good condition, facing southeast.



Photograph: 20 Date: 3/12/2024
Description: Coterra Witherspoon 26-23 State Com 1H liner deemed to be in good condition, facing northeast.

**Photographic Log**

COG Operating, LLC

Raspberry State Com 001H

Incident Number: NAPP2402940801



Photograph: 21

Date: 4/9/2024

Description: Micro-Blaze® application activities

View: South



Photograph: 22

Date: 4/9/2024

Description: Micro-Blaze® application activities

View: Southeast



Photograph: 23

Date: 4/26/2024

Description: Mowing activities on Merchant property

View: Northwest



Photograph: 24

Date: 4/26/2024

Description: Mowing activities on Merchant property

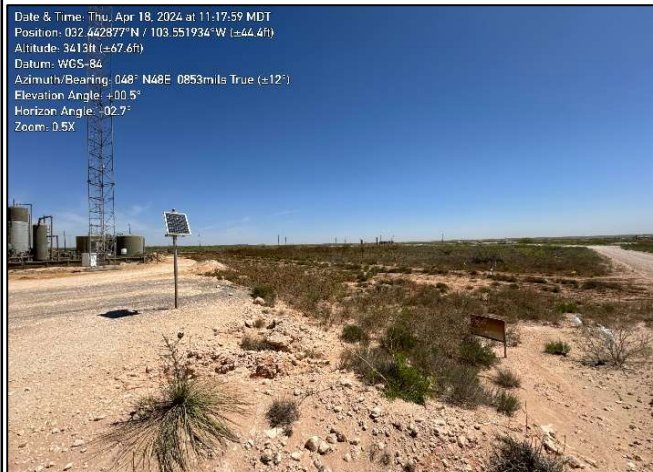
View: North



Photographic Log
 COG Operating, LLC
 Raspberry State Com 001H
 Incident Number: NAPP2402940801



Photograph: 25 Date: 4/28/2024
 Description: Confirmation sampling activities
 View: Southeast



Photograph: 26 Date: 4/28/2024
 Description: Confirmation sampling activities
 View: northeast



Photograph: 27 Date: 4/28/2024
 Description: Confirmation sampling activities
 View: Southeast



Photograph: 28 Date: 4/28/2024
 Description: Confirmation sampling activities
 View: Northeast



APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Hadlie Green
Ensolum
601 N. Marienfeld St.
Suite 400
Midland, Texas 79701
Generated 2/7/2024 3:19:50 PM

JOB DESCRIPTION

Rasberry State Com 1H
03D2024253

JOB NUMBER

890-6014-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220



Eurofins Carlsbad

Job Notes

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

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

Authorization



Generated
2/7/2024 3:19:50 PM

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

Client: Ensolum
Project/Site: Rasberry State Com 1H

Laboratory Job ID: 890-6014-1
SDG: 03D2024253

Table of Contents

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Definitions/Glossary

Client: Ensolum
Project/Site: Rasberry State Com 1H

Job ID: 890-6014-1
SDG: 03D2024253

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Ensolum
Project: Raspberry State Com 1H

Job ID: 890-6014-1

Job ID: 890-6014-1

Eurofins Carlsbad

Job Narrative 890-6014-1

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 1/22/2024 2:41 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 4.4°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SS01 (890-6014-1), SS02 (890-6014-2), SS03 (890-6014-3), SS04 (890-6014-4), SS05 (890-6014-5), SS06 (890-6014-6), SS07 (890-6014-7), SS08 (890-6014-8), SS09 (890-6014-9), SS10 (890-6014-10), SS11 (890-6014-11), SS12 (890-6014-12), SS13 (890-6014-13), SS14 (890-6014-14) and SS15 (890-6014-15).

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-71844 and analytical batch 880-72144 was outside the upper control limits.

Method 8021B: The following sample was diluted due to the nature of the sample matrix: SS02 (890-6014-2). 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: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-71752 and analytical batch 880-72446 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

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-71550 and analytical batch 880-71733 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.

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 1H

Job ID: 890-6014-1
SDG: 03D2024253

Client Sample ID: SS01
Date Collected: 01/22/24 10:50
Date Received: 01/22/24 14:41

Lab Sample ID: 890-6014-1
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		01/29/24 14:08	02/02/24 04:59	1	
Toluene	<0.00200	U	0.00200	mg/Kg		01/29/24 14:08	02/02/24 04:59	1	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/29/24 14:08	02/02/24 04:59	1	
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		01/29/24 14:08	02/02/24 04:59	1	
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/29/24 14:08	02/02/24 04:59	1	
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		01/29/24 14:08	02/02/24 04:59	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	97		70 - 130			01/29/24 14:08	02/02/24 04:59	1	
1,4-Difluorobenzene (Surr)	94		70 - 130			01/29/24 14:08	02/02/24 04:59	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			02/02/24 04:59	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	115		50.3	mg/Kg			02/06/24 19:39	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	<50.3	U F1 F2	50.3	mg/Kg		01/27/24 21:45	02/06/24 19:39	1	
Diesel Range Organics (Over C10-C28)	115	F1	50.3	mg/Kg		01/27/24 21:45	02/06/24 19:39	1	
Oil Range Organics (Over C28-C36)	<50.3	U	50.3	mg/Kg		01/27/24 21:45	02/06/24 19:39	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	95		70 - 130			01/27/24 21:45	02/06/24 19:39	1	
o-Terphenyl	92		70 - 130			01/27/24 21:45	02/06/24 19:39	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	707	F1	4.98	mg/Kg			01/27/24 22:41	1	

Client Sample ID: SS02
Date Collected: 01/22/24 10:55
Date Received: 01/22/24 14:41

Lab Sample ID: 890-6014-2
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.0994	U	0.0994	mg/Kg		01/29/24 14:08	02/02/24 08:03	50	
Toluene	0.484		0.0994	mg/Kg		01/29/24 14:08	02/02/24 08:03	50	
Ethylbenzene	1.79		0.0994	mg/Kg		01/29/24 14:08	02/02/24 08:03	50	
m-Xylene & p-Xylene	3.60		0.199	mg/Kg		01/29/24 14:08	02/02/24 08:03	50	
o-Xylene	2.33		0.0994	mg/Kg		01/29/24 14:08	02/02/24 08:03	50	
Xylenes, Total	5.93		0.199	mg/Kg		01/29/24 14:08	02/02/24 08:03	50	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	127		70 - 130			01/29/24 14:08	02/02/24 08:03	50	
1,4-Difluorobenzene (Surr)	86		70 - 130			01/29/24 14:08	02/02/24 08:03	50	

Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 1H

Job ID: 890-6014-1
SDG: 03D2024253

Client Sample ID: SS02
Date Collected: 01/22/24 10:55
Date Received: 01/22/24 14:41

Lab Sample ID: 890-6014-2
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	8.20		0.199	mg/Kg			02/02/24 08:03	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	2340		49.6	mg/Kg			02/07/24 01:18	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	257		49.6	mg/Kg		01/27/24 21:45	02/07/24 01:18	1	
Diesel Range Organics (Over C10-C28)	1850		49.6	mg/Kg		01/27/24 21:45	02/07/24 01:18	1	
Oil Range Organics (Over C28-C36)	236		49.6	mg/Kg		01/27/24 21:45	02/07/24 01:18	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	104		70 - 130			01/27/24 21:45	02/07/24 01:18	1	
o-Terphenyl	99		70 - 130			01/27/24 21:45	02/07/24 01:18	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	297		5.00	mg/Kg			01/27/24 23:01	1	

Client Sample ID: SS03
Date Collected: 01/22/24 11:00
Date Received: 01/22/24 14:41

Lab Sample ID: 890-6014-3
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		01/29/24 14:08	02/02/24 05:20	1	
Toluene	<0.00200	U	0.00200	mg/Kg		01/29/24 14:08	02/02/24 05:20	1	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/29/24 14:08	02/02/24 05:20	1	
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		01/29/24 14:08	02/02/24 05:20	1	
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/29/24 14:08	02/02/24 05:20	1	
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/29/24 14:08	02/02/24 05:20	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	104		70 - 130			01/29/24 14:08	02/02/24 05:20	1	
1,4-Difluorobenzene (Surr)	100		70 - 130			01/29/24 14:08	02/02/24 05:20	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			02/02/24 05:20	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	100		50.0	mg/Kg			02/06/24 21:45	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	<50.0	U	50.0	mg/Kg		01/27/24 21:45	02/06/24 21:45	1	

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 1H

Job ID: 890-6014-1
SDG: 03D2024253

Client Sample ID: SS03
Date Collected: 01/22/24 11:00
Date Received: 01/22/24 14:41

Lab Sample ID: 890-6014-3
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Diesel Range Organics (Over C10-C28)	100		50.0	mg/Kg		01/27/24 21:45	02/06/24 21:45	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/27/24 21:45	02/06/24 21:45	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	91		70 - 130			01/27/24 21:45	02/06/24 21:45	1	
o-Terphenyl	88		70 - 130			01/27/24 21:45	02/06/24 21:45	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	40.9		4.95	mg/Kg			01/27/24 23:08	1	

Client Sample ID: SS04
Date Collected: 01/22/24 11:05
Date Received: 01/22/24 14:41

Lab Sample ID: 890-6014-4
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		01/29/24 14:08	02/02/24 05:40	1	
Toluene	<0.00201	U	0.00201	mg/Kg		01/29/24 14:08	02/02/24 05:40	1	
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/29/24 14:08	02/02/24 05:40	1	
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		01/29/24 14:08	02/02/24 05:40	1	
o-Xylene	<0.00201	U	0.00201	mg/Kg		01/29/24 14:08	02/02/24 05:40	1	
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/29/24 14:08	02/02/24 05:40	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	111		70 - 130			01/29/24 14:08	02/02/24 05:40	1	
1,4-Difluorobenzene (Surr)	103		70 - 130			01/29/24 14:08	02/02/24 05:40	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			02/02/24 05:40	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	12.3		49.7	mg/Kg			02/07/24 02:01	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	<49.7	U	49.7	mg/Kg		01/27/24 21:45	02/07/24 02:01	1	
Diesel Range Organics (Over C10-C28)	12.3		49.7	mg/Kg		01/27/24 21:45	02/07/24 02:01	1	
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		01/27/24 21:45	02/07/24 02:01	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	82		70 - 130			01/27/24 21:45	02/07/24 02:01	1	
o-Terphenyl	79		70 - 130			01/27/24 21:45	02/07/24 02:01	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	57.7		4.99	mg/Kg			01/27/24 23:14	1	

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 1H

Job ID: 890-6014-1
SDG: 03D2024253

Client Sample ID: SS05

Lab Sample ID: 890-6014-5

Date Collected: 01/22/24 11:10

Matrix: Solid

Date Received: 01/22/24 14:41

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		01/29/24 14:08	02/02/24 06:01	1
Toluene	<0.00201	U	0.00201	mg/Kg		01/29/24 14:08	02/02/24 06:01	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/29/24 14:08	02/02/24 06:01	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		01/29/24 14:08	02/02/24 06:01	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		01/29/24 14:08	02/02/24 06:01	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/29/24 14:08	02/02/24 06:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	01/29/24 14:08	02/02/24 06:01	1
1,4-Difluorobenzene (Surr)	101		70 - 130	01/29/24 14:08	02/02/24 06:01	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			02/02/24 06:01	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			02/06/24 22:06	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		01/27/24 21:45	02/06/24 22:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/27/24 21:45	02/06/24 22:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/27/24 21:45	02/06/24 22:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130	01/27/24 21:45	02/06/24 22:06	1
o-Terphenyl	82		70 - 130	01/27/24 21:45	02/06/24 22:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.04	U	5.04	mg/Kg			01/27/24 23:21	1

Client Sample ID: SS06

Lab Sample ID: 890-6014-6

Date Collected: 01/22/24 11:15

Matrix: Solid

Date Received: 01/22/24 14:41

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		01/29/24 14:08	02/02/24 06:21	1
Toluene	<0.00198	U	0.00198	mg/Kg		01/29/24 14:08	02/02/24 06:21	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		01/29/24 14:08	02/02/24 06:21	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		01/29/24 14:08	02/02/24 06:21	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		01/29/24 14:08	02/02/24 06:21	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		01/29/24 14:08	02/02/24 06:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	01/29/24 14:08	02/02/24 06:21	1
1,4-Difluorobenzene (Surr)	101		70 - 130	01/29/24 14:08	02/02/24 06:21	1

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 1H

Job ID: 890-6014-1
SDG: 03D2024253

Client Sample ID: SS06

Lab Sample ID: 890-6014-6

Date Collected: 01/22/24 11:15

Matrix: Solid

Date Received: 01/22/24 14:41

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			02/02/24 06:21	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			02/06/24 22:27	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	<49.6	U	49.6	mg/Kg		01/27/24 21:45	02/06/24 22:27	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		01/27/24 21:45	02/06/24 22:27	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		01/27/24 21:45	02/06/24 22:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130			01/27/24 21:45	02/06/24 22:27	1
o-Terphenyl	86		70 - 130			01/27/24 21:45	02/06/24 22:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.49		4.97	mg/Kg			01/27/24 23:41	1

Client Sample ID: SS07

Lab Sample ID: 890-6014-7

Date Collected: 01/22/24 11:20

Matrix: Solid

Date Received: 01/22/24 14:41

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		01/29/24 14:08	02/02/24 06:42	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/29/24 14:08	02/02/24 06:42	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/29/24 14:08	02/02/24 06:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		01/29/24 14:08	02/02/24 06:42	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/29/24 14:08	02/02/24 06:42	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/29/24 14:08	02/02/24 06:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130			01/29/24 14:08	02/02/24 06:42	1
1,4-Difluorobenzene (Surr)	105		70 - 130			01/29/24 14:08	02/02/24 06:42	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			02/02/24 06:42	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2	mg/Kg			02/06/24 22:48	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		01/27/24 21:45	02/06/24 22:48	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2	mg/Kg		01/27/24 21:45	02/06/24 22:48	1

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 1H

Job ID: 890-6014-1
SDG: 03D2024253

Client Sample ID: SS07
Date Collected: 01/22/24 11:20
Date Received: 01/22/24 14:41

Lab Sample ID: 890-6014-7
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)	<50.2	U	50.2	mg/Kg	-	01/27/24 21:45	02/06/24 22:48	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	88		70 - 130			01/27/24 21:45	02/06/24 22:48	1	
o-Terphenyl	87		70 - 130			01/27/24 21:45	02/06/24 22:48	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	15.2		4.96	mg/Kg	-		01/27/24 23:47	1	

Client Sample ID: SS08
Date Collected: 01/22/24 11:25
Date Received: 01/22/24 14:41

Lab Sample ID: 890-6014-8
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	-	01/29/24 14:08	02/02/24 07:02	1	
Toluene	<0.00199	U	0.00199	mg/Kg	-	01/29/24 14:08	02/02/24 07:02	1	
Ethylbenzene	<0.00199	U	0.00199	mg/Kg	-	01/29/24 14:08	02/02/24 07:02	1	
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg	-	01/29/24 14:08	02/02/24 07:02	1	
o-Xylene	<0.00199	U	0.00199	mg/Kg	-	01/29/24 14:08	02/02/24 07:02	1	
Xylenes, Total	<0.00398	U	0.00398	mg/Kg	-	01/29/24 14:08	02/02/24 07:02	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	110		70 - 130			01/29/24 14:08	02/02/24 07:02	1	
1,4-Difluorobenzene (Surr)	97		70 - 130			01/29/24 14:08	02/02/24 07:02	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	-		02/02/24 07:02	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	1320		50.3	mg/Kg	-		02/07/24 01:40	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	<50.3	U	50.3	mg/Kg	-	01/27/24 21:45	02/07/24 01:40	1	
Diesel Range Organics (Over C10-C28)	1120		50.3	mg/Kg	-	01/27/24 21:45	02/07/24 01:40	1	
Oil Range Organics (Over C28-C36)	201		50.3	mg/Kg	-	01/27/24 21:45	02/07/24 01:40	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	97		70 - 130			01/27/24 21:45	02/07/24 01:40	1	
o-Terphenyl	97		70 - 130			01/27/24 21:45	02/07/24 01:40	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	186		4.97	mg/Kg	-		01/27/24 23:54	1	

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 1H

Job ID: 890-6014-1
SDG: 03D2024253

Client Sample ID: SS09

Lab Sample ID: 890-6014-9

Date Collected: 01/22/24 11:30

Matrix: Solid

Date Received: 01/22/24 14:41

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		01/29/24 14:08	02/02/24 07:23	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/29/24 14:08	02/02/24 07:23	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/29/24 14:08	02/02/24 07:23	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		01/29/24 14:08	02/02/24 07:23	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/29/24 14:08	02/02/24 07:23	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/29/24 14:08	02/02/24 07:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	01/29/24 14:08	02/02/24 07:23	1
1,4-Difluorobenzene (Surr)	94		70 - 130	01/29/24 14:08	02/02/24 07:23	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			02/02/24 07:23	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	19.3		50.4	mg/Kg			02/07/24 02:43	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	<50.4	U	50.4	mg/Kg		01/27/24 21:45	02/07/24 02:43	1
Diesel Range Organics (Over C10-C28)	19.3		50.4	mg/Kg		01/27/24 21:45	02/07/24 02:43	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4	mg/Kg		01/27/24 21:45	02/07/24 02:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	01/27/24 21:45	02/07/24 02:43	1
o-Terphenyl	87		70 - 130	01/27/24 21:45	02/07/24 02:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25.3		5.05	mg/Kg			01/28/24 00:01	1

Client Sample ID: SS10

Lab Sample ID: 890-6014-10

Date Collected: 01/22/24 11:35

Matrix: Solid

Date Received: 01/22/24 14:41

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		01/29/24 14:08	02/02/24 07:43	1
Toluene	<0.00201	U	0.00201	mg/Kg		01/29/24 14:08	02/02/24 07:43	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/29/24 14:08	02/02/24 07:43	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		01/29/24 14:08	02/02/24 07:43	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		01/29/24 14:08	02/02/24 07:43	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/29/24 14:08	02/02/24 07:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	01/29/24 14:08	02/02/24 07:43	1
1,4-Difluorobenzene (Surr)	99		70 - 130	01/29/24 14:08	02/02/24 07:43	1

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 1H

Job ID: 890-6014-1
SDG: 03D2024253

Client Sample ID: SS10

Lab Sample ID: 890-6014-10

Date Collected: 01/22/24 11:35

Matrix: Solid

Date Received: 01/22/24 14:41

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			02/02/24 07:43	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	99.9		49.9	mg/Kg			02/06/24 23:09	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	<49.9	U	49.9	mg/Kg		01/27/24 21:45	02/06/24 23:09	1	
Diesel Range Organics (Over C10-C28)	99.9		49.9	mg/Kg		01/27/24 21:45	02/06/24 23:09	1	
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/27/24 21:45	02/06/24 23:09	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	97		70 - 130			01/27/24 21:45	02/06/24 23:09	1	
o-Terphenyl	97		70 - 130			01/27/24 21:45	02/06/24 23:09	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	25.4		5.02	mg/Kg			01/28/24 00:07	1	

Client Sample ID: SS11

Lab Sample ID: 890-6014-11

Date Collected: 01/22/24 11:40

Matrix: Solid

Date Received: 01/22/24 14:41

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		01/29/24 14:08	02/02/24 10:08	1	
Toluene	<0.00200	U	0.00200	mg/Kg		01/29/24 14:08	02/02/24 10:08	1	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/29/24 14:08	02/02/24 10:08	1	
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		01/29/24 14:08	02/02/24 10:08	1	
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/29/24 14:08	02/02/24 10:08	1	
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/29/24 14:08	02/02/24 10:08	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	90		70 - 130			01/29/24 14:08	02/02/24 10:08	1	
1,4-Difluorobenzene (Surr)	100		70 - 130			01/29/24 14:08	02/02/24 10:08	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			02/02/24 10:08	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.7	U	49.7	mg/Kg			02/06/24 23:30	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	<49.7	U	49.7	mg/Kg		01/27/24 21:45	02/06/24 23:30	1	
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		01/27/24 21:45	02/06/24 23:30	1	

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 1H

Job ID: 890-6014-1
SDG: 03D2024253

Client Sample ID: SS11

Lab Sample ID: 890-6014-11

Date Collected: 01/22/24 11:40

Matrix: Solid

Date Received: 01/22/24 14:41

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)	<49.7	U	49.7	mg/Kg		01/27/24 21:45	02/06/24 23:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130			01/27/24 21:45	02/06/24 23:30	1
o-Terphenyl	79		70 - 130			01/27/24 21:45	02/06/24 23:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.01	U	5.01	mg/Kg			01/28/24 00:14	1

Client Sample ID: SS12

Lab Sample ID: 890-6014-12

Date Collected: 01/22/24 11:45

Matrix: Solid

Date Received: 01/22/24 14:41

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		01/29/24 14:08	02/02/24 10:28	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/29/24 14:08	02/02/24 10:28	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/29/24 14:08	02/02/24 10:28	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		01/29/24 14:08	02/02/24 10:28	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/29/24 14:08	02/02/24 10:28	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		01/29/24 14:08	02/02/24 10:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130			01/29/24 14:08	02/02/24 10:28	1
1,4-Difluorobenzene (Surr)	106		70 - 130			01/29/24 14:08	02/02/24 10:28	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			02/02/24 10:28	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	52.8		49.9	mg/Kg			02/07/24 00:14	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	<49.9	U	49.9	mg/Kg		01/27/24 21:45	02/07/24 00:14	1
Diesel Range Organics (Over C10-C28)	52.8		49.9	mg/Kg		01/27/24 21:45	02/07/24 00:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/27/24 21:45	02/07/24 00:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130			01/27/24 21:45	02/07/24 00:14	1
o-Terphenyl	82		70 - 130			01/27/24 21:45	02/07/24 00:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	30.2		4.99	mg/Kg			01/28/24 00:34	1

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 1H

Job ID: 890-6014-1
SDG: 03D2024253

Client Sample ID: SS13
Date Collected: 01/22/24 11:50
Date Received: 01/22/24 14:41

Lab Sample ID: 890-6014-13
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		01/29/24 14:08	02/02/24 10:49	1	
Toluene	<0.00199	U	0.00199	mg/Kg		01/29/24 14:08	02/02/24 10:49	1	
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/29/24 14:08	02/02/24 10:49	1	
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		01/29/24 14:08	02/02/24 10:49	1	
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/29/24 14:08	02/02/24 10:49	1	
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/29/24 14:08	02/02/24 10:49	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	118		70 - 130			01/29/24 14:08	02/02/24 10:49	1	
1,4-Difluorobenzene (Surr)	103		70 - 130			01/29/24 14:08	02/02/24 10:49	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			02/02/24 10:49	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<50.0	U	50.0	mg/Kg			02/07/24 00:35	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		01/27/24 21:45	02/07/24 00:35	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/27/24 21:45	02/07/24 00:35	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/27/24 21:45	02/07/24 00:35	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	105		70 - 130			01/27/24 21:45	02/07/24 00:35	1	
o-Terphenyl	106		70 - 130			01/27/24 21:45	02/07/24 00:35	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	55.7		4.97	mg/Kg			01/28/24 00:41	1	

Client Sample ID: SS14
Date Collected: 01/22/24 11:55
Date Received: 01/22/24 14:41

Lab Sample ID: 890-6014-14
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		01/29/24 14:08	02/02/24 11:09	1	
Toluene	<0.00200	U	0.00200	mg/Kg		01/29/24 14:08	02/02/24 11:09	1	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/29/24 14:08	02/02/24 11:09	1	
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		01/29/24 14:08	02/02/24 11:09	1	
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/29/24 14:08	02/02/24 11:09	1	
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/29/24 14:08	02/02/24 11:09	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	114		70 - 130			01/29/24 14:08	02/02/24 11:09	1	
1,4-Difluorobenzene (Surr)	99		70 - 130			01/29/24 14:08	02/02/24 11:09	1	

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 1H

Job ID: 890-6014-1
SDG: 03D2024253

Client Sample ID: SS14

Lab Sample ID: 890-6014-14

Date Collected: 01/22/24 11:55

Matrix: Solid

Date Received: 01/22/24 14:41

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			02/02/24 11:09	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<50.0	U	50.0	mg/Kg			02/07/24 00:56	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	<50.0	U	50.0	mg/Kg		01/27/24 21:45	02/07/24 00:56	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/27/24 21:45	02/07/24 00:56	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/27/24 21:45	02/07/24 00:56	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	105		70 - 130			01/27/24 21:45	02/07/24 00:56	1	
o-Terphenyl	106		70 - 130			01/27/24 21:45	02/07/24 00:56	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	2960		24.8	mg/Kg			01/28/24 13:42	5	

Client Sample ID: SS15

Lab Sample ID: 890-6014-15

Date Collected: 01/22/24 12:00

Matrix: Solid

Date Received: 01/22/24 14:41

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		01/29/24 14:08	02/02/24 11:30	1	
Toluene	<0.00201	U	0.00201	mg/Kg		01/29/24 14:08	02/02/24 11:30	1	
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/29/24 14:08	02/02/24 11:30	1	
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		01/29/24 14:08	02/02/24 11:30	1	
o-Xylene	<0.00201	U	0.00201	mg/Kg		01/29/24 14:08	02/02/24 11:30	1	
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/29/24 14:08	02/02/24 11:30	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	111		70 - 130			01/29/24 14:08	02/02/24 11:30	1	
1,4-Difluorobenzene (Surr)	101		70 - 130			01/29/24 14:08	02/02/24 11:30	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			02/02/24 11:30	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	172		50.1	mg/Kg			02/07/24 02:22	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		01/27/24 21:45	02/07/24 02:22	1	
Diesel Range Organics (Over C10-C28)	172		50.1	mg/Kg		01/27/24 21:45	02/07/24 02:22	1	

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 1H

Job ID: 890-6014-1
SDG: 03D2024253

Client Sample ID: SS15
Date Collected: 01/22/24 12:00
Date Received: 01/22/24 14:41

Lab Sample ID: 890-6014-15
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		01/27/24 21:45	02/07/24 02:22	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	99		70 - 130			01/27/24 21:45	02/07/24 02:22	1	
o-Terphenyl	95		70 - 130			01/27/24 21:45	02/07/24 02:22	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	205		4.97	mg/Kg			01/28/24 13:49	1	

Surrogate Summary

Client: Ensolum
Project/Site: Raspberry State Com 1H

Job ID: 890-6014-1
SDG: 03D2024253

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

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
890-6014-1	SS01	97	94				
890-6014-1 MS	SS01	111	97				
890-6014-1 MSD	SS01	107	89				
890-6014-2	SS02	127	86				
890-6014-3	SS03	104	100				
890-6014-4	SS04	111	103				
890-6014-5	SS05	112	101				
890-6014-6	SS06	102	101				
890-6014-7	SS07	114	105				
890-6014-8	SS08	110	97				
890-6014-9	SS09	104	94				
890-6014-10	SS10	114	99				
890-6014-11	SS11	90	100				
890-6014-12	SS12	111	106				
890-6014-13	SS13	118	103				
890-6014-14	SS14	114	99				
890-6014-15	SS15	111	101				
LCS 880-71844/1-A	Lab Control Sample	99	98				
LCSD 880-71844/2-A	Lab Control Sample Dup	106	94				
MB 880-71843/5-A	Method Blank	117	115				
MB 880-71844/5-A	Method Blank	135 S1+	120				
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	OTPH1				
		(70-130)	(70-130)				
890-6014-1	SS01	95	92				
890-6014-1 MS	SS01	95	90				
890-6014-1 MSD	SS01	82	75				
890-6014-2	SS02	104	99				
890-6014-3	SS03	91	88				
890-6014-4	SS04	82	79				
890-6014-5	SS05	81	82				
890-6014-6	SS06	88	86				
890-6014-7	SS07	88	87				
890-6014-8	SS08	97	97				
890-6014-9	SS09	91	87				
890-6014-10	SS10	97	97				
890-6014-11	SS11	82	79				
890-6014-12	SS12	82	82				
890-6014-13	SS13	105	106				
890-6014-14	SS14	105	106				
890-6014-15	SS15	99	95				
LCS 880-71752/2-A	Lab Control Sample	85	105				

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Surrogate Summary

Client: Ensolum
Project/Site: Raspberry State Com 1H

Job ID: 890-6014-1
SDG: 03D2024253

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)
LCSD 880-71752/3-A	Lab Control Sample Dup	103	116
MB 880-71752/1-A	Method Blank	116	119
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 1H

Job ID: 890-6014-1
SDG: 03D2024253

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-71843/5-A						Client Sample ID: Method Blank			
Matrix: Solid						Prep Type: Total/NA			
Analysis Batch: 72144						Prep Batch: 71843			
Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00200	U	0.00200	mg/Kg		01/29/24 13:58	02/01/24 16:21	1	
Toluene	<0.00200	U	0.00200	mg/Kg		01/29/24 13:58	02/01/24 16:21	1	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/29/24 13:58	02/01/24 16:21	1	
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		01/29/24 13:58	02/01/24 16:21	1	
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/29/24 13:58	02/01/24 16:21	1	
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/29/24 13:58	02/01/24 16:21	1	
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	117		70 - 130			01/29/24 13:58	02/01/24 16:21	1	
1,4-Difluorobenzene (Surr)	115		70 - 130			01/29/24 13:58	02/01/24 16:21	1	

Lab Sample ID: MB 880-71844/5-A						Client Sample ID: Method Blank			
Matrix: Solid						Prep Type: Total/NA			
Analysis Batch: 72144						Prep Batch: 71844			
Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00200	U	0.00200	mg/Kg		01/29/24 14:08	02/02/24 04:31	1	
Toluene	<0.00200	U	0.00200	mg/Kg		01/29/24 14:08	02/02/24 04:31	1	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/29/24 14:08	02/02/24 04:31	1	
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		01/29/24 14:08	02/02/24 04:31	1	
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/29/24 14:08	02/02/24 04:31	1	
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/29/24 14:08	02/02/24 04:31	1	
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130			01/29/24 14:08	02/02/24 04:31	1	
1,4-Difluorobenzene (Surr)	120		70 - 130			01/29/24 14:08	02/02/24 04:31	1	

Lab Sample ID: LCS 880-71844/1-A					Client Sample ID: Lab Control Sample						
Matrix: Solid					Prep Type: Total/NA						
Analysis Batch: 72144					Prep Batch: 71844						
Analyte			Spike	LCS	LCS				%Rec		
			Added	Result	Qualifier	Unit	D	%Rec	Limits		
	Benzene		0.100	0.09953		mg/Kg		100	70 - 130		
	Toluene		0.100	0.08932		mg/Kg		89	70 - 130		
	Ethylbenzene		0.100	0.1057		mg/Kg		106	70 - 130		
	m-Xylene & p-Xylene		0.200	0.1692		mg/Kg		85	70 - 130		
o-Xylene		0.100	0.09013		mg/Kg		90	70 - 130			
		LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	99		70 - 130								
1,4-Difluorobenzene (Surr)	98		70 - 130								

Lab Sample ID: LCSD 880-71844/2-A						Client Sample ID: Lab Control Sample Dup			
Matrix: Solid						Prep Type: Total/NA			
Analysis Batch: 72144						Prep Batch: 71844			
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.09028		mg/Kg		90	70 - 130	10	35

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QC Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 1H

Job ID: 890-6014-1
SDG: 03D2024253

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

Lab Sample ID: LCSD 880-71844/2-A				Client Sample ID: Lab Control Sample Dup							
Matrix: Solid				Prep Type: Total/NA							
Analysis Batch: 72144				Prep Batch: 71844							
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.09191		mg/Kg		92	70 - 130	3	35
Ethylbenzene			0.100	0.1055		mg/Kg		106	70 - 130	0	35
m-Xylene & p-Xylene			0.200	0.1931		mg/Kg		97	70 - 130	13	35
o-Xylene			0.100	0.09496		mg/Kg		95	70 - 130	5	35
		LCSD	LCSD								
Surrogate		%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)		106		70 - 130							
1,4-Difluorobenzene (Surr)		94		70 - 130							

Lab Sample ID: 890-6014-1 MS				Client Sample ID: SS01							
Matrix: Solid				Prep Type: Total/NA							
Analysis Batch: 72144				Prep Batch: 71844							
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.0990	0.08542		mg/Kg		86	70 - 130		
Toluene	<0.00200	U	0.0990	0.08330		mg/Kg		84	70 - 130		
Ethylbenzene	<0.00200	U	0.0990	0.09223		mg/Kg		93	70 - 130		
m-Xylene & p-Xylene	<0.00401	U	0.198	0.1665		mg/Kg		84	70 - 130		
o-Xylene	<0.00200	U	0.0990	0.07421		mg/Kg		75	70 - 130		
		MS	MS								
Surrogate		%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)		111		70 - 130							
1,4-Difluorobenzene (Surr)		97		70 - 130							

Lab Sample ID: 890-6014-1 MSD				Client Sample ID: SS01							
Matrix: Solid				Prep Type: Total/NA							
Analysis Batch: 72144				Prep Batch: 71844							
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0998	0.07954		mg/Kg		80	70 - 130	7	35
Toluene	<0.00200	U	0.0998	0.08292		mg/Kg		83	70 - 130	0	35
Ethylbenzene	<0.00200	U	0.0998	0.09177		mg/Kg		92	70 - 130	0	35
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1637		mg/Kg		82	70 - 130	2	35
o-Xylene	<0.00200	U	0.0998	0.07902		mg/Kg		79	70 - 130	6	35
		MSD	MSD								
Surrogate		%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)		107		70 - 130							
1,4-Difluorobenzene (Surr)		89		70 - 130							

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

Lab Sample ID: MB 880-71752/1-A				Client Sample ID: Method Blank							
Matrix: Solid				Prep Type: Total/NA							
Analysis Batch: 72446				Prep Batch: 71752							
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		01/27/24 21:45	02/06/24 18:36	1			

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QC Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 1H

Job ID: 890-6014-1
SDG: 03D2024253

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

Lab Sample ID: MB 880-71752/1-A						Client Sample ID: Method Blank			
Matrix: Solid						Prep Type: Total/NA			
Analysis Batch: 72446						Prep Batch: 71752			
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		01/27/24 21:45	02/06/24 18:36	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/27/24 21:45	02/06/24 18:36	1	
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	116		70 - 130			01/27/24 21:45	02/06/24 18:36	1	
o-Terphenyl	119		70 - 130			01/27/24 21:45	02/06/24 18:36	1	

Lab Sample ID: LCS 880-71752/2-A						Client Sample ID: Lab Control Sample			
Matrix: Solid						Prep Type: Total/NA			
Analysis Batch: 72446						Prep Batch: 71752			
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10			1000	917.7		mg/Kg		92	70 - 130
Diesel Range Organics (Over C10-C28)			1000	932.5		mg/Kg		93	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	85		70 - 130						
o-Terphenyl	105		70 - 130						

Lab Sample ID: LCSD 880-71752/3-A						Client Sample ID: Lab Control Sample Dup				
Matrix: Solid						Prep Type: Total/NA				
Analysis Batch: 72446						Prep Batch: 71752				
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD
Gasoline Range Organics (GRO)-C6-C10			1000	961.9		mg/Kg		96	70 - 130	5
Diesel Range Organics (Over C10-C28)			1000	961.8		mg/Kg		96	70 - 130	3
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits							
1-Chlorooctane	103		70 - 130							
o-Terphenyl	116		70 - 130							

Lab Sample ID: 890-6014-1 MS						Client Sample ID: SS01			
Matrix: Solid						Prep Type: Total/NA			
Analysis Batch: 72446						Prep Batch: 71752			
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 F1 F2	1010	840.0		mg/Kg		79	70 - 130
Diesel Range Organics (Over C10-C28)	115	F1	1010	864.2		mg/Kg		74	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	95		70 - 130						
o-Terphenyl	90		70 - 130						

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QC Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 1H

Job ID: 890-6014-1
SDG: 03D2024253

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

Lab Sample ID: 890-6014-1 MSD										Client Sample ID: SS01		
Matrix: Solid										Prep Type: Total/NA		
Analysis Batch: 72446										Prep Batch: 71752		
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 F1 F2	1010	681.4	F1 F2	mg/Kg		63	70 - 130	21	20	
Diesel Range Organics (Over C10-C28)	115	F1	1010	726.4	F1	mg/Kg		61	70 - 130	17	20	
	MSD %Recovery	MSD Qualifier	Limits									
Surrogate												
1-Chlorooctane	82		70 - 130									
o-Terphenyl	75		70 - 130									

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-71550/1-A										Client Sample ID: Method Blank		
Matrix: Solid										Prep Type: Soluble		
Analysis Batch: 71733												
Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac				
Chloride	<5.00	U	5.00	mg/Kg			01/27/24 22:21	1				

Lab Sample ID: LCS 880-71550/2-A										Client Sample ID: Lab Control Sample		
Matrix: Solid										Prep Type: Soluble		
Analysis Batch: 71733												
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits					
Chloride	250	250.6		mg/Kg		100	90 - 110					

Lab Sample ID: LCSD 880-71550/3-A										Client Sample ID: Lab Control Sample Dup		
Matrix: Solid										Prep Type: Soluble		
Analysis Batch: 71733												
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit			
Chloride	250	252.0		mg/Kg		101	90 - 110	1	20			

Lab Sample ID: 890-6014-1 MS										Client Sample ID: SS01		
Matrix: Solid										Prep Type: Soluble		
Analysis Batch: 71733												
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits			
Chloride	707	F1	249	918.7	F1	mg/Kg		85	90 - 110			

Lab Sample ID: 890-6014-1 MSD										Client Sample ID: SS01		
Matrix: Solid										Prep Type: Soluble		
Analysis Batch: 71733												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	707	F1	249	911.7	F1	mg/Kg		82	90 - 110	1	20	

QC Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 1H

Job ID: 890-6014-1
SDG: 03D2024253

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-6014-11 MS

Matrix: Solid

Analysis Batch: 71733

Client Sample ID: SS11

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<5.01	U	251	251.6		mg/Kg		99	90 - 110

Lab Sample ID: 890-6014-11 MSD

Matrix: Solid

Analysis Batch: 71733

Client Sample ID: SS11

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<5.01	U	251	239.8		mg/Kg		94	90 - 110	5	20

QC Association Summary

Client: Ensolum
Project/Site: Raspberry State Com 1H

Job ID: 890-6014-1
SDG: 03D2024253

GC VOA

Prep Batch: 71843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-71843/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 71844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6014-1	SS01	Total/NA	Solid	5035	
890-6014-2	SS02	Total/NA	Solid	5035	
890-6014-3	SS03	Total/NA	Solid	5035	
890-6014-4	SS04	Total/NA	Solid	5035	
890-6014-5	SS05	Total/NA	Solid	5035	
890-6014-6	SS06	Total/NA	Solid	5035	
890-6014-7	SS07	Total/NA	Solid	5035	
890-6014-8	SS08	Total/NA	Solid	5035	
890-6014-9	SS09	Total/NA	Solid	5035	
890-6014-10	SS10	Total/NA	Solid	5035	
890-6014-11	SS11	Total/NA	Solid	5035	
890-6014-12	SS12	Total/NA	Solid	5035	
890-6014-13	SS13	Total/NA	Solid	5035	
890-6014-14	SS14	Total/NA	Solid	5035	
890-6014-15	SS15	Total/NA	Solid	5035	
MB 880-71844/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-71844/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-71844/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-6014-1 MS	SS01	Total/NA	Solid	5035	
890-6014-1 MSD	SS01	Total/NA	Solid	5035	

Analysis Batch: 72144

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6014-1	SS01	Total/NA	Solid	8021B	71844
890-6014-2	SS02	Total/NA	Solid	8021B	71844
890-6014-3	SS03	Total/NA	Solid	8021B	71844
890-6014-4	SS04	Total/NA	Solid	8021B	71844
890-6014-5	SS05	Total/NA	Solid	8021B	71844
890-6014-6	SS06	Total/NA	Solid	8021B	71844
890-6014-7	SS07	Total/NA	Solid	8021B	71844
890-6014-8	SS08	Total/NA	Solid	8021B	71844
890-6014-9	SS09	Total/NA	Solid	8021B	71844
890-6014-10	SS10	Total/NA	Solid	8021B	71844
890-6014-11	SS11	Total/NA	Solid	8021B	71844
890-6014-12	SS12	Total/NA	Solid	8021B	71844
890-6014-13	SS13	Total/NA	Solid	8021B	71844
890-6014-14	SS14	Total/NA	Solid	8021B	71844
890-6014-15	SS15	Total/NA	Solid	8021B	71844
MB 880-71843/5-A	Method Blank	Total/NA	Solid	8021B	71843
MB 880-71844/5-A	Method Blank	Total/NA	Solid	8021B	71844
LCS 880-71844/1-A	Lab Control Sample	Total/NA	Solid	8021B	71844
LCSD 880-71844/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	71844
890-6014-1 MS	SS01	Total/NA	Solid	8021B	71844
890-6014-1 MSD	SS01	Total/NA	Solid	8021B	71844

QC Association Summary

Client: Ensolum
Project/Site: Raspberry State Com 1H

Job ID: 890-6014-1
SDG: 03D2024253

GC VOA

Analysis Batch: 72221

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6014-1	SS01	Total/NA	Solid	Total BTEX	
890-6014-2	SS02	Total/NA	Solid	Total BTEX	
890-6014-3	SS03	Total/NA	Solid	Total BTEX	
890-6014-4	SS04	Total/NA	Solid	Total BTEX	
890-6014-5	SS05	Total/NA	Solid	Total BTEX	
890-6014-6	SS06	Total/NA	Solid	Total BTEX	
890-6014-7	SS07	Total/NA	Solid	Total BTEX	
890-6014-8	SS08	Total/NA	Solid	Total BTEX	
890-6014-9	SS09	Total/NA	Solid	Total BTEX	
890-6014-10	SS10	Total/NA	Solid	Total BTEX	
890-6014-11	SS11	Total/NA	Solid	Total BTEX	
890-6014-12	SS12	Total/NA	Solid	Total BTEX	
890-6014-13	SS13	Total/NA	Solid	Total BTEX	
890-6014-14	SS14	Total/NA	Solid	Total BTEX	
890-6014-15	SS15	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 71752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6014-1	SS01	Total/NA	Solid	8015NM Prep	
890-6014-2	SS02	Total/NA	Solid	8015NM Prep	
890-6014-3	SS03	Total/NA	Solid	8015NM Prep	
890-6014-4	SS04	Total/NA	Solid	8015NM Prep	
890-6014-5	SS05	Total/NA	Solid	8015NM Prep	
890-6014-6	SS06	Total/NA	Solid	8015NM Prep	
890-6014-7	SS07	Total/NA	Solid	8015NM Prep	
890-6014-8	SS08	Total/NA	Solid	8015NM Prep	
890-6014-9	SS09	Total/NA	Solid	8015NM Prep	
890-6014-10	SS10	Total/NA	Solid	8015NM Prep	
890-6014-11	SS11	Total/NA	Solid	8015NM Prep	
890-6014-12	SS12	Total/NA	Solid	8015NM Prep	
890-6014-13	SS13	Total/NA	Solid	8015NM Prep	
890-6014-14	SS14	Total/NA	Solid	8015NM Prep	
890-6014-15	SS15	Total/NA	Solid	8015NM Prep	
MB 880-71752/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-71752/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-71752/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6014-1 MS	SS01	Total/NA	Solid	8015NM Prep	
890-6014-1 MSD	SS01	Total/NA	Solid	8015NM Prep	

Analysis Batch: 72446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6014-1	SS01	Total/NA	Solid	8015B NM	71752
890-6014-2	SS02	Total/NA	Solid	8015B NM	71752
890-6014-3	SS03	Total/NA	Solid	8015B NM	71752
890-6014-4	SS04	Total/NA	Solid	8015B NM	71752
890-6014-5	SS05	Total/NA	Solid	8015B NM	71752
890-6014-6	SS06	Total/NA	Solid	8015B NM	71752
890-6014-7	SS07	Total/NA	Solid	8015B NM	71752
890-6014-8	SS08	Total/NA	Solid	8015B NM	71752

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QC Association Summary

Client: Ensolum
Project/Site: Raspberry State Com 1H

Job ID: 890-6014-1
SDG: 03D2024253

GC Semi VOA (Continued)

Analysis Batch: 72446 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6014-9	SS09	Total/NA	Solid	8015B NM	71752
890-6014-10	SS10	Total/NA	Solid	8015B NM	71752
890-6014-11	SS11	Total/NA	Solid	8015B NM	71752
890-6014-12	SS12	Total/NA	Solid	8015B NM	71752
890-6014-13	SS13	Total/NA	Solid	8015B NM	71752
890-6014-14	SS14	Total/NA	Solid	8015B NM	71752
890-6014-15	SS15	Total/NA	Solid	8015B NM	71752
MB 880-71752/1-A	Method Blank	Total/NA	Solid	8015B NM	71752
LCS 880-71752/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	71752
LCSD 880-71752/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	71752
890-6014-1 MS	SS01	Total/NA	Solid	8015B NM	71752
890-6014-1 MSD	SS01	Total/NA	Solid	8015B NM	71752

Analysis Batch: 72592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6014-1	SS01	Total/NA	Solid	8015 NM	
890-6014-2	SS02	Total/NA	Solid	8015 NM	
890-6014-3	SS03	Total/NA	Solid	8015 NM	
890-6014-4	SS04	Total/NA	Solid	8015 NM	
890-6014-5	SS05	Total/NA	Solid	8015 NM	
890-6014-6	SS06	Total/NA	Solid	8015 NM	
890-6014-7	SS07	Total/NA	Solid	8015 NM	
890-6014-8	SS08	Total/NA	Solid	8015 NM	
890-6014-9	SS09	Total/NA	Solid	8015 NM	
890-6014-10	SS10	Total/NA	Solid	8015 NM	
890-6014-11	SS11	Total/NA	Solid	8015 NM	
890-6014-12	SS12	Total/NA	Solid	8015 NM	
890-6014-13	SS13	Total/NA	Solid	8015 NM	
890-6014-14	SS14	Total/NA	Solid	8015 NM	
890-6014-15	SS15	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 71550

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6014-1	SS01	Soluble	Solid	DI Leach	
890-6014-2	SS02	Soluble	Solid	DI Leach	
890-6014-3	SS03	Soluble	Solid	DI Leach	
890-6014-4	SS04	Soluble	Solid	DI Leach	
890-6014-5	SS05	Soluble	Solid	DI Leach	
890-6014-6	SS06	Soluble	Solid	DI Leach	
890-6014-7	SS07	Soluble	Solid	DI Leach	
890-6014-8	SS08	Soluble	Solid	DI Leach	
890-6014-9	SS09	Soluble	Solid	DI Leach	
890-6014-10	SS10	Soluble	Solid	DI Leach	
890-6014-11	SS11	Soluble	Solid	DI Leach	
890-6014-12	SS12	Soluble	Solid	DI Leach	
890-6014-13	SS13	Soluble	Solid	DI Leach	
890-6014-14	SS14	Soluble	Solid	DI Leach	
890-6014-15	SS15	Soluble	Solid	DI Leach	
MB 880-71550/1-A	Method Blank	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Ensolum
Project/Site: Raspberry State Com 1H

Job ID: 890-6014-1
SDG: 03D2024253

HPLC/IC (Continued)

Leach Batch: 71550 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-71550/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-71550/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-6014-1 MS	SS01	Soluble	Solid	DI Leach	
890-6014-1 MSD	SS01	Soluble	Solid	DI Leach	
890-6014-11 MS	SS11	Soluble	Solid	DI Leach	
890-6014-11 MSD	SS11	Soluble	Solid	DI Leach	

Analysis Batch: 71733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6014-1	SS01	Soluble	Solid	300.0	71550
890-6014-2	SS02	Soluble	Solid	300.0	71550
890-6014-3	SS03	Soluble	Solid	300.0	71550
890-6014-4	SS04	Soluble	Solid	300.0	71550
890-6014-5	SS05	Soluble	Solid	300.0	71550
890-6014-6	SS06	Soluble	Solid	300.0	71550
890-6014-7	SS07	Soluble	Solid	300.0	71550
890-6014-8	SS08	Soluble	Solid	300.0	71550
890-6014-9	SS09	Soluble	Solid	300.0	71550
890-6014-10	SS10	Soluble	Solid	300.0	71550
890-6014-11	SS11	Soluble	Solid	300.0	71550
890-6014-12	SS12	Soluble	Solid	300.0	71550
890-6014-13	SS13	Soluble	Solid	300.0	71550
890-6014-14	SS14	Soluble	Solid	300.0	71550
890-6014-15	SS15	Soluble	Solid	300.0	71550
MB 880-71550/1-A	Method Blank	Soluble	Solid	300.0	71550
LCS 880-71550/2-A	Lab Control Sample	Soluble	Solid	300.0	71550
LCSD 880-71550/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	71550
890-6014-1 MS	SS01	Soluble	Solid	300.0	71550
890-6014-1 MSD	SS01	Soluble	Solid	300.0	71550
890-6014-11 MS	SS11	Soluble	Solid	300.0	71550
890-6014-11 MSD	SS11	Soluble	Solid	300.0	71550

Lab Chronicle

Client: Ensolum
Project/Site: Raspberry State Com 1H

Job ID: 890-6014-1
SDG: 03D2024253

Client Sample ID: SS01
Date Collected: 01/22/24 10:50
Date Received: 01/22/24 14:41

Lab Sample ID: 890-6014-1
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			4.99 g	5 mL	71844	01/29/24 14:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72144	02/02/24 04:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72221	02/02/24 04:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			72592	02/06/24 19:39	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	71752	01/27/24 21:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72446	02/06/24 19:39	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	71550	01/25/24 07:43	SA	EET MID
Soluble	Analysis	300.0		1			71733	01/27/24 22:41	CH	EET MID

Client Sample ID: SS02
Date Collected: 01/22/24 10:55
Date Received: 01/22/24 14:41

Lab Sample ID: 890-6014-2
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			5.03 g	5 mL	71844	01/29/24 14:08	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	72144	02/02/24 08:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72221	02/02/24 08:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			72592	02/07/24 01:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	71752	01/27/24 21:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72446	02/07/24 01:18	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	71550	01/25/24 07:43	SA	EET MID
Soluble	Analysis	300.0		1			71733	01/27/24 23:01	CH	EET MID

Client Sample ID: SS03
Date Collected: 01/22/24 11:00
Date Received: 01/22/24 14:41

Lab Sample ID: 890-6014-3
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	71844	01/29/24 14:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72144	02/02/24 05:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72221	02/02/24 05:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			72592	02/06/24 21:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	71752	01/27/24 21:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72446	02/06/24 21:45	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	71550	01/25/24 07:43	SA	EET MID
Soluble	Analysis	300.0		1			71733	01/27/24 23:08	CH	EET MID

Client Sample ID: SS04
Date Collected: 01/22/24 11:05
Date Received: 01/22/24 14:41

Lab Sample ID: 890-6014-4
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	71844	01/29/24 14:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72144	02/02/24 05:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72221	02/02/24 05:40	SM	EET MID

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Lab Chronicle

Client: Ensolum
Project/Site: Raspberry State Com 1H

Job ID: 890-6014-1
SDG: 03D2024253

Client Sample ID: SS04
Date Collected: 01/22/24 11:05
Date Received: 01/22/24 14:41

Lab Sample ID: 890-6014-4
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			72592	02/07/24 02:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	71752	01/27/24 21:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72446	02/07/24 02:01	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	71550	01/25/24 07:43	SA	EET MID
Soluble	Analysis	300.0		1			71733	01/27/24 23:14	CH	EET MID

Client Sample ID: SS05
Date Collected: 01/22/24 11:10
Date Received: 01/22/24 14:41

Lab Sample ID: 890-6014-5
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			4.98 g	5 mL	71844	01/29/24 14:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72144	02/02/24 06:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72221	02/02/24 06:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			72592	02/06/24 22:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	71752	01/27/24 21:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72446	02/06/24 22:06	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	71550	01/25/24 07:43	SA	EET MID
Soluble	Analysis	300.0		1			71733	01/27/24 23:21	CH	EET MID

Client Sample ID: SS06
Date Collected: 01/22/24 11:15
Date Received: 01/22/24 14:41

Lab Sample ID: 890-6014-6
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			5.05 g	5 mL	71844	01/29/24 14:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72144	02/02/24 06:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72221	02/02/24 06:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			72592	02/06/24 22:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	71752	01/27/24 21:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72446	02/06/24 22:27	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	71550	01/25/24 07:43	SA	EET MID
Soluble	Analysis	300.0		1			71733	01/27/24 23:41	CH	EET MID

Client Sample ID: SS07
Date Collected: 01/22/24 11:20
Date Received: 01/22/24 14:41

Lab Sample ID: 890-6014-7
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	71844	01/29/24 14:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72144	02/02/24 06:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72221	02/02/24 06:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			72592	02/06/24 22:48	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	71752	01/27/24 21:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72446	02/06/24 22:48	SM	EET MID

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Lab Chronicle

Client: Ensolum
Project/Site: Raspberry State Com 1H

Job ID: 890-6014-1
SDG: 03D2024253

Client Sample ID: SS07
Date Collected: 01/22/24 11:20
Date Received: 01/22/24 14:41

Lab Sample ID: 890-6014-7
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	71550	01/25/24 07:43	SA	EET MID
Soluble	Analysis	300.0		1			71733	01/27/24 23:47	CH	EET MID

Client Sample ID: SS08
Date Collected: 01/22/24 11:25
Date Received: 01/22/24 14:41

Lab Sample ID: 890-6014-8
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	71844	01/29/24 14:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72144	02/02/24 07:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72221	02/02/24 07:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			72592	02/07/24 01:40	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	71752	01/27/24 21:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72446	02/07/24 01:40	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	71550	01/25/24 07:43	SA	EET MID
Soluble	Analysis	300.0		1			71733	01/27/24 23:54	CH	EET MID

Client Sample ID: SS09
Date Collected: 01/22/24 11:30
Date Received: 01/22/24 14:41

Lab Sample ID: 890-6014-9
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			5.01 g	5 mL	71844	01/29/24 14:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72144	02/02/24 07:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72221	02/02/24 07:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			72592	02/07/24 02:43	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	71752	01/27/24 21:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72446	02/07/24 02:43	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	71550	01/25/24 07:43	SA	EET MID
Soluble	Analysis	300.0		1			71733	01/28/24 00:01	CH	EET MID

Client Sample ID: SS10
Date Collected: 01/22/24 11:35
Date Received: 01/22/24 14:41

Lab Sample ID: 890-6014-10
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			4.98 g	5 mL	71844	01/29/24 14:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72144	02/02/24 07:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72221	02/02/24 07:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			72592	02/06/24 23:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	71752	01/27/24 21:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72446	02/06/24 23:09	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	71550	01/25/24 07:43	SA	EET MID
Soluble	Analysis	300.0		1			71733	01/28/24 00:07	CH	EET MID

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Lab Chronicle

Client: Ensolum
Project/Site: Raspberry State Com 1H

Job ID: 890-6014-1
SDG: 03D2024253

Client Sample ID: SS11
Date Collected: 01/22/24 11:40
Date Received: 01/22/24 14:41

Lab Sample ID: 890-6014-11
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			5.01 g	5 mL	71844	01/29/24 14:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72144	02/02/24 10:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72221	02/02/24 10:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			72592	02/06/24 23:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	71752	01/27/24 21:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72446	02/06/24 23:30	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	71550	01/25/24 07:43	SA	EET MID
Soluble	Analysis	300.0		1			71733	01/28/24 00:14	CH	EET MID

Client Sample ID: SS12
Date Collected: 01/22/24 11:45
Date Received: 01/22/24 14:41

Lab Sample ID: 890-6014-12
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			4.99 g	5 mL	71844	01/29/24 14:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72144	02/02/24 10:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72221	02/02/24 10:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			72592	02/07/24 00:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	71752	01/27/24 21:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72446	02/07/24 00:14	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	71550	01/25/24 07:43	SA	EET MID
Soluble	Analysis	300.0		1			71733	01/28/24 00:34	CH	EET MID

Client Sample ID: SS13
Date Collected: 01/22/24 11:50
Date Received: 01/22/24 14:41

Lab Sample ID: 890-6014-13
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			5.03 g	5 mL	71844	01/29/24 14:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72144	02/02/24 10:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72221	02/02/24 10:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			72592	02/07/24 00:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	71752	01/27/24 21:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72446	02/07/24 00:35	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	71550	01/25/24 07:43	SA	EET MID
Soluble	Analysis	300.0		1			71733	01/28/24 00:41	CH	EET MID

Client Sample ID: SS14
Date Collected: 01/22/24 11:55
Date Received: 01/22/24 14:41

Lab Sample ID: 890-6014-14
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	71844	01/29/24 14:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72144	02/02/24 11:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72221	02/02/24 11:09	SM	EET MID

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Lab Chronicle

Client: Ensolum
Project/Site: Raspberry State Com 1H

Job ID: 890-6014-1
SDG: 03D2024253

Client Sample ID: SS14
Date Collected: 01/22/24 11:55
Date Received: 01/22/24 14:41

Lab Sample ID: 890-6014-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			72592	02/07/24 00:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	71752	01/27/24 21:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72446	02/07/24 00:56	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	71550	01/25/24 07:43	SA	EET MID
Soluble	Analysis	300.0		5			71733	01/28/24 13:42	CH	EET MID

Client Sample ID: SS15
Date Collected: 01/22/24 12:00
Date Received: 01/22/24 14:41

Lab Sample ID: 890-6014-15
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			4.97 g	5 mL	71844	01/29/24 14:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72144	02/02/24 11:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72221	02/02/24 11:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			72592	02/07/24 02:22	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	71752	01/27/24 21:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72446	02/07/24 02:22	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	71550	01/25/24 07:43	SA	EET MID
Soluble	Analysis	300.0		1			71733	01/28/24 13:49	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: Raspberry State Com 1H

Job ID: 890-6014-1
SDG: 03D2024253

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: Raspberry State Com 1H

Job ID: 890-6014-1
SDG: 03D2024253

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: Rasberry State Com 1H

Job ID: 890-6014-1
SDG: 03D2024253

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-6014-1	SS01	Solid	01/22/24 10:50	01/22/24 14:41
890-6014-2	SS02	Solid	01/22/24 10:55	01/22/24 14:41
890-6014-3	SS03	Solid	01/22/24 11:00	01/22/24 14:41
890-6014-4	SS04	Solid	01/22/24 11:05	01/22/24 14:41
890-6014-5	SS05	Solid	01/22/24 11:10	01/22/24 14:41
890-6014-6	SS06	Solid	01/22/24 11:15	01/22/24 14:41
890-6014-7	SS07	Solid	01/22/24 11:20	01/22/24 14:41
890-6014-8	SS08	Solid	01/22/24 11:25	01/22/24 14:41
890-6014-9	SS09	Solid	01/22/24 11:30	01/22/24 14:41
890-6014-10	SS10	Solid	01/22/24 11:35	01/22/24 14:41
890-6014-11	SS11	Solid	01/22/24 11:40	01/22/24 14:41
890-6014-12	SS12	Solid	01/22/24 11:45	01/22/24 14:41
890-6014-13	SS13	Solid	01/22/24 11:50	01/22/24 14:41
890-6014-14	SS14	Solid	01/22/24 11:55	01/22/24 14:41
890-6014-15	SS15	Solid	01/22/24 12:00	01/22/24 14:41

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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
Little Rock, AR (501) 224-5060

Environment Testing

Work Order No:

Project Manager: Hadlie Green		Bill to: (if different)		Page 1 of 2	
Company Name: Enxco		Company Name:		Work Order Comments	
Address: 60 W. MacArthur St. #100		Address:		Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
City, State ZIP: Midland TX 79701		City, State ZIP:		State of Project:	
Phone: 432-557-8895		Email: hgreen@enxco.com		Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
				Deliverables: EDD ☐ ADAPT ☐ Other:	

SAMPLE RECEIPT				Turn Around		ANALYSIS REQUEST		Preservative Codes	
Samples Received Intact:	Temp Blank:	Yes	No	☒ Routine	☐ Rush			None: NO	DI Water: H ₂ O
Cooler Custody Seals:	Yes No	Thermometer ID:	Correction Factor:	TAT starts the day received by the lab, if received by 4:30pm				Cool: Cool	MeOH: Me
Sample Custody Seals:	Yes No	Temperature Reading:	Corrected Temperature:					HCL: HC	HNO ₃
Total Containers:								H ₂ SO ₄ : H ₂	NaOH: Na
SS01	Matrix: Soil	Date Sampled: 1-22-24	Time Sampled: 1050	Depth: 0.25' Comp: 1	# of Grab/Comp: 1				
SS02			1055						
SS03			1100						
SS04			1105						
SS05			1110						
SS06			1115						
SS07			1120						
SS08			1125						
SS09			1130						
SS10			1135						

Parameters

IDH X BTEX X Chlorides X

Sample Identification		Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont
SS01	Soil	1-22-24	1050	0.25'	Comp	1	
SS02			1055				
SS03			1100				
SS04			1105				
SS05			1110				
SS06			1115				
SS07			1120				
SS08			1125				
SS09			1130				
SS10			1135				

Sample Identification		Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont
SS01	Soil	1-22-24	1050	0.25'	Comp	1	
SS02			1055				
SS03			1100				
SS04			1105				
SS05			1110				
SS06			1115				
SS07			1120				
SS08			1125				
SS09			1130				
SS10			1135				

Sample Identification		Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont
SS01	Soil	1-22-24	1050	0.25'	Comp	1	
SS02			1055				
SS03			1100				
SS04			1105				
SS05			1110				
SS06			1115				
SS07			1120				
SS08			1125				
SS09			1130				
SS10			1135				

Sample Identification		Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont
SS01	Soil	1-22-24	1050	0.25'	Comp	1	
SS02			1055				
SS03			1100				
SS04			1105				
SS05			1110				
SS06							



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) 794-1298
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199
Little Rock, AR (501) 224-5060

Environment Testing

Work Order No:

60111

Page 2 of 2

Project Manager:	Hadi Green	Bill to: (if different)	
Company Name:	Ensamum	Company Name:	
Address:	601 W. Marquette St #400	Address:	
City, State ZIP:	Midland TX 79701	City, State ZIP:	
Phone:	432-557-8895	Email:	hgreen@ensamum.com

Project Name:	Resberry State Lm 1H	Turn Around	
Project Number:	03D0024253	☒ Routine ☐ Rush	
Project Location:	32.4437, -103.5520	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:			
Cooler Custody Seals:	Yes No N/A	Correction Factor:			
Sample Custody Seals:	Yes No N/A	Temperature Reading:			
Total Containers:		Corrected Temperature:			

ANALYSIS REQUEST										PRESERVATIVE CODES									
										None: NO DI Water: H ₂ O									
										Cool: Cool MeOH: Me									
										HCL: HC HNO ₃									
										H ₂ SO ₄ : H ₂ NaOH: Na									
										H ₃ PO ₄ : HP									
										NaHSO ₄ : NABIS									
										Na ₂ S ₂ O ₃ : NaSO ₃									
										Zn Acetate+NaOH: Zn									
										NaOH+Ascorbic Acid: SAPC									
										Sample Comments									

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	Pres. Code
SS11	Soil	1-22-24	1140	0.25	Long	1	TPH	
SS12			1145			1	BTEX	
SS13			1150			1	Chlorides	
SS14			1155			1		
SS15			1200			1		

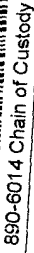
Total 200.7 / 6010	200.8 / 6020:	8RCRA 13PPM	Texas 11	Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed		TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471		

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
<i>Peter Van Patten</i>	<i>cedrah</i>	4.11.24			
3		4			
5		6			

Revised Date: 09/25/2020 Rev. 2020.2

6014



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Released to Imaging: 6/3/2024 1:16:19 PM



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) 784-1286
 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199
 Little Rock, AR (501) 224-5080

Environment Testing

Loc: 890
6014

Work Order No:

6011

Page

Project Manager: Heddie Green
 Company Name: Ensomun
 Address: 601 W. Marientel St #400
 City, State ZIP: Midland TX 79701
 Phone: 432-557-8895 Email: hgreen@ensomun.com

Work Order Comments
 Program: ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
 State of Project: ☐ Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
 Deliverables: ☐ EDD ☐ ADAPT ☐ Other:

Project Name: Reservoir site on IH
 Project Number: 03 D004253
 Project Location: 32.437, -103.5520
 Sampler's Name: Van Tetter
 PO #:

Turn Around ☒ Routine ☐ Rush
 Due Date:
 TAT starts the day received by the lab, if received by 4:30pm

Temp Blank: Yes ☒ No ☐
 Temp Blank: Yes ☒ No ☐
 Thermometer ID:
 Cooler Custody Seals: Yes ☒ No ☐
 Sample Custody Seals: Yes ☒ No ☐
 Total Containers:

ANALYSIS REQUEST

Parameters	Pres. Code	Preservative Codes
None: NO		DI Water: H ₂ O
Cool: Cool		MeOH: Me
HCL: HC		HNO ₃
H ₂ SO ₄ : H ₂		NaOH: Na
H ₃ PO ₄ : HP		
NaHSO ₄ : NABIS		
Na ₂ S ₂ O ₃ : NaSO ₃		
Zn Acetate+NaOH: Zn		
NaOH+Ascorbic Acid: SAPC		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Sample Comments
5511	Soil	1-22-24	1140	0.25	Long	1	
5512			1145			1	
5513			1150			1	
5514			1155			1	
5515			1200			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 SiO₂ Na Sr Ti 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 Ti 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 \$45.00 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) Van Tetter Received by (Signature) hgreen Date/Time 4.11.24
 Relinquished by (Signature) Received by (Signature) Date/Time
 Relinquished by (Signature) Received by (Signature) Date/Time

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-6014-1

SDG Number: 03D2024253

Login Number: 6014
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: 890-6014-1
SDG Number: 03D2024253

Login Number: 6014
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 01/24/24 02:02 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	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Hadlie Green
Ensolum
601 N. Marienfeld St.
Suite 400
Midland, Texas 79701
Generated 3/20/2024 4:19:37 PM

JOB DESCRIPTION

Raspberry State Com 001H
Lea County, NM

JOB NUMBER

890-6359-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220



Eurofins Carlsbad

Job Notes

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

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

Authorization



Generated
3/20/2024 4:19:37 PM

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

Client: Ensolum
Project/Site: Raspberry State Com 001H

Laboratory Job ID: 890-6359-1
SDG: Lea County,NM

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Definitions/Glossary

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

Qualifiers

GC VOA

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

GC Semi VOA

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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: Raspberry State Com 001H

Job ID: 890-6359-1

Job ID: 890-6359-1

Eurofins Carlsbad

Job Narrative 890-6359-1

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 3/13/2024 4:32 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: SS 14 (890-6359-1), SS 14 A (890-6359-2), SS 14 B (890-6359-3), SS 14 C (890-6359-4), FS - 01 (890-6359-5), FS - 02 (890-6359-6), FS - 03 (890-6359-7), SW - 01 (890-6359-8), SS 69 (890-6359-9), SS 70 (890-6359-10), SS 71 (890-6359-11), SS 72 (890-6359-12), SS 73 (890-6359-13), SS 74 (890-6359-14), SS 75 (890-6359-15), SS 76 (890-6359-16), SS 77 (890-6359-17), SS 78 (890-6359-18), SS 79 (890-6359-19), SS 80 (890-6359-20), SS 81 (890-6359-21), SS 68 (890-6359-22), SS 67 (890-6359-23), SS 66 (890-6359-24), SS 65 (890-6359-25), SS 64 (890-6359-26), SS 63 (890-6359-27), SS 62 (890-6359-28), SS 61 (890-6359-29), SS 60 (890-6359-30), SS 59 (890-6359-31), SS 58 (890-6359-32), SS 57 (890-6359-33), SS 56 (890-6359-34), SS 55 (890-6359-35), SS 54 (890-6359-36), SS 53 (890-6359-37), SS 52 (890-6359-38) and SS 51 (890-6359-39).

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-75691 and 880-75805 and analytical batch 880-75798 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: SS 81 (890-6359-21), SS 68 (890-6359-22), SS 67 (890-6359-23), SS 66 (890-6359-24), SS 65 (890-6359-25), SS 64 (890-6359-26), SS 63 (890-6359-27), SS 62 (890-6359-28), SS 61 (890-6359-29), SS 60 (890-6359-30), SS 59 (890-6359-31), SS 58 (890-6359-32), SS 57 (890-6359-33), SS 56 (890-6359-34), SS 55 (890-6359-35), SS 54 (890-6359-36), SS 53 (890-6359-37), SS 52 (890-6359-38), SS 51 (890-6359-39), (CCV 880-75796/20), (CCV 880-75796/33), (CCV 880-75796/51), (890-6359-A-21-G MS) and (890-6359-A-21-H MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-75796 recovered above the upper control limit for Benzene, Toluene, Ethylbenzene, 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 samples are impacted: (CCV 880-75796/20), (CCV 880-75796/33) and (CCV 880-75796/64).

Method 8021B: Surrogate recovery for the following samples were outside control limits: (LCS 880-75804/1-A) and (LCSD 880-75804/2-A). Evidence of matrix interferences is not obvious.

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-75801 and 880-75802 and analytical batch 880-75775 was outside the upper control limits.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-75667 and analytical batch 880-75814 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

Eurofins Carlsbad

Case Narrative

Client: Ensolum
Project: Raspberry State Com 001H

Job ID: 890-6359-1

Job ID: 890-6359-1 (Continued) **Eurofins Carlsbad**

within acceptance limits.

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

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Eurofins Carlsbad

Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

Client Sample ID: SS 14

Lab Sample ID: 890-6359-1

Date Collected: 03/13/24 09:22

Matrix: Solid

Date Received: 03/13/24 16:32

Sample Depth: 1'

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		03/18/24 09:10	03/18/24 23:41	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/18/24 09:10	03/18/24 23:41	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/18/24 09:10	03/18/24 23:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/18/24 09:10	03/18/24 23:41	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/18/24 09:10	03/18/24 23:41	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/18/24 09:10	03/18/24 23:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	03/18/24 09:10	03/18/24 23:41	1
1,4-Difluorobenzene (Surr)	103		70 - 130	03/18/24 09:10	03/18/24 23:41	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			03/18/24 23:41	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/18/24 12:26	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		03/18/24 08:42	03/18/24 12:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/18/24 08:42	03/18/24 12:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/18/24 08:42	03/18/24 12:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	03/18/24 08:42	03/18/24 12:26	1
o-Terphenyl	87		70 - 130	03/18/24 08:42	03/18/24 12:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	109		5.02	mg/Kg			03/18/24 18:04	1

Client Sample ID: SS 14 A

Lab Sample ID: 890-6359-2

Date Collected: 03/13/24 09:24

Matrix: Solid

Date Received: 03/13/24 16:32

Sample Depth: 2'

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		03/18/24 09:10	03/19/24 00:02	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/18/24 09:10	03/19/24 00:02	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/18/24 09:10	03/19/24 00:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/18/24 09:10	03/19/24 00:02	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/18/24 09:10	03/19/24 00:02	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/18/24 09:10	03/19/24 00:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	03/18/24 09:10	03/19/24 00:02	1

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

Client Sample ID: SS 14 A
Date Collected: 03/13/24 09:24
Date Received: 03/13/24 16:32
Sample Depth: 2'

Lab Sample ID: 890-6359-2
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)									
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1,4-Difluorobenzene (Surr)	104		70 - 130			03/18/24 09:10	03/19/24 00:02	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			03/19/24 00:02	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			03/18/24 12:47	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	<49.9	U	49.9	mg/Kg		03/18/24 08:42	03/18/24 12:47	1	
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/18/24 08:42	03/18/24 12:47	1	
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/18/24 08:42	03/18/24 12:47	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	99		70 - 130			03/18/24 08:42	03/18/24 12:47	1	
o-Terphenyl	84		70 - 130			03/18/24 08:42	03/18/24 12:47	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	81.5		4.97	mg/Kg			03/18/24 18:20	1	

Client Sample ID: SS 14 B
Date Collected: 03/13/24 09:26
Date Received: 03/13/24 16:32
Sample Depth: 3'

Lab Sample ID: 890-6359-3
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		03/18/24 09:10	03/19/24 00:23	1	
Toluene	<0.00202	U	0.00202	mg/Kg		03/18/24 09:10	03/19/24 00:23	1	
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		03/18/24 09:10	03/19/24 00:23	1	
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		03/18/24 09:10	03/19/24 00:23	1	
o-Xylene	<0.00202	U	0.00202	mg/Kg		03/18/24 09:10	03/19/24 00:23	1	
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		03/18/24 09:10	03/19/24 00:23	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	98		70 - 130			03/18/24 09:10	03/19/24 00:23	1	
1,4-Difluorobenzene (Surr)	109		70 - 130			03/18/24 09:10	03/19/24 00:23	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			03/19/24 00:23	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			03/18/24 13:08	1	

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

Client Sample ID: SS 14 B

Lab Sample ID: 890-6359-3

Date Collected: 03/13/24 09:26

Matrix: Solid

Date Received: 03/13/24 16:32

Sample Depth: 3'

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		03/18/24 08:42	03/18/24 13:08	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		03/18/24 08:42	03/18/24 13:08	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		03/18/24 08:42	03/18/24 13:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130			03/18/24 08:42	03/18/24 13:08	1
o-Terphenyl	83		70 - 130			03/18/24 08:42	03/18/24 13:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	88.9		4.98	mg/Kg			03/18/24 18:25	1

Client Sample ID: SS 14 C

Lab Sample ID: 890-6359-4

Date Collected: 03/13/24 09:28

Matrix: Solid

Date Received: 03/13/24 16:32

Sample Depth: 4'

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		03/18/24 09:10	03/19/24 00:43	1
Toluene	<0.00201	U	0.00201	mg/Kg		03/18/24 09:10	03/19/24 00:43	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/18/24 09:10	03/19/24 00:43	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		03/18/24 09:10	03/19/24 00:43	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/18/24 09:10	03/19/24 00:43	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/18/24 09:10	03/19/24 00:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130			03/18/24 09:10	03/19/24 00:43	1
1,4-Difluorobenzene (Surr)	110		70 - 130			03/18/24 09:10	03/19/24 00:43	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			03/19/24 00:43	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			03/18/24 13:30	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	<49.7	U	49.7	mg/Kg		03/18/24 08:42	03/18/24 13:30	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		03/18/24 08:42	03/18/24 13:30	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		03/18/24 08:42	03/18/24 13:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130			03/18/24 08:42	03/18/24 13:30	1
o-Terphenyl	80		70 - 130			03/18/24 08:42	03/18/24 13:30	1

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

Client Sample ID: SS 14 C

Lab Sample ID: 890-6359-4

Date Collected: 03/13/24 09:28

Matrix: Solid

Date Received: 03/13/24 16:32

Sample Depth: 4'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	67.1		4.98	mg/Kg			03/18/24 18:31	1

Client Sample ID: FS - 01

Lab Sample ID: 890-6359-5

Date Collected: 03/13/24 10:50

Matrix: Solid

Date Received: 03/13/24 16:32

Sample Depth: 1'

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		03/18/24 09:10	03/19/24 01:04	1
Toluene	<0.00198	U	0.00198	mg/Kg		03/18/24 09:10	03/19/24 01:04	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/18/24 09:10	03/19/24 01:04	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		03/18/24 09:10	03/19/24 01:04	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		03/18/24 09:10	03/19/24 01:04	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		03/18/24 09:10	03/19/24 01:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130			03/18/24 09:10	03/19/24 01:04	1
1,4-Difluorobenzene (Surr)	104		70 - 130			03/18/24 09:10	03/19/24 01:04	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			03/19/24 01:04	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			03/18/24 13:51	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	<49.7	U	49.7	mg/Kg		03/18/24 08:42	03/18/24 13:51	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		03/18/24 08:42	03/18/24 13:51	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		03/18/24 08:42	03/18/24 13:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130			03/18/24 08:42	03/18/24 13:51	1
o-Terphenyl	82		70 - 130			03/18/24 08:42	03/18/24 13:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	123		5.03	mg/Kg			03/18/24 18:36	1

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

Client Sample ID: FS - 02
Date Collected: 03/13/24 10:52
Date Received: 03/13/24 16:32
Sample Depth: 1'

Lab Sample ID: 890-6359-6
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		03/18/24 09:10	03/19/24 01:24	1	
Toluene	<0.00200	U	0.00200	mg/Kg		03/18/24 09:10	03/19/24 01:24	1	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/18/24 09:10	03/19/24 01:24	1	
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/18/24 09:10	03/19/24 01:24	1	
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/18/24 09:10	03/19/24 01:24	1	
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/18/24 09:10	03/19/24 01:24	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	112		70 - 130			03/18/24 09:10	03/19/24 01:24	1	
1,4-Difluorobenzene (Surr)	107		70 - 130			03/18/24 09:10	03/19/24 01:24	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			03/19/24 01:24	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			03/18/24 14:12	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	<49.6	U	49.6	mg/Kg		03/18/24 08:42	03/18/24 14:12	1	
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		03/18/24 08:42	03/18/24 14:12	1	
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		03/18/24 08:42	03/18/24 14:12	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	103		70 - 130			03/18/24 08:42	03/18/24 14:12	1	
o-Terphenyl	85		70 - 130			03/18/24 08:42	03/18/24 14:12	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	85.6		5.00	mg/Kg			03/18/24 18:52	1	

Client Sample ID: FS - 03
Date Collected: 03/13/24 10:54
Date Received: 03/13/24 16:32
Sample Depth: 1'

Lab Sample ID: 890-6359-7
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		03/18/24 09:10	03/19/24 01:45	1	
Toluene	<0.00200	U	0.00200	mg/Kg		03/18/24 09:10	03/19/24 01:45	1	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/18/24 09:10	03/19/24 01:45	1	
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/18/24 09:10	03/19/24 01:45	1	
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/18/24 09:10	03/19/24 01:45	1	
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/18/24 09:10	03/19/24 01:45	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	106		70 - 130			03/18/24 09:10	03/19/24 01:45	1	

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

Client Sample ID: FS - 03
Date Collected: 03/13/24 10:54
Date Received: 03/13/24 16:32
Sample Depth: 1'

Lab Sample ID: 890-6359-7
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)									
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1,4-Difluorobenzene (Surr)	101		70 - 130			03/18/24 09:10	03/19/24 01:45	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			03/19/24 01:45	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	120		49.5	mg/Kg			03/18/24 14:34	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	<49.5	U	49.5	mg/Kg		03/18/24 08:42	03/18/24 14:34	1	
Diesel Range Organics (Over C10-C28)	120		49.5	mg/Kg		03/18/24 08:42	03/18/24 14:34	1	
Oil Range Organics (Over C28-C36)	<49.5	U	49.5	mg/Kg		03/18/24 08:42	03/18/24 14:34	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	112		70 - 130			03/18/24 08:42	03/18/24 14:34	1	
o-Terphenyl	92		70 - 130			03/18/24 08:42	03/18/24 14:34	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	206		5.04	mg/Kg			03/18/24 18:57	1	

Client Sample ID: SW - 01
Date Collected: 03/13/24 10:56
Date Received: 03/13/24 16:32
Sample Depth: 0 - 1'

Lab Sample ID: 890-6359-8
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		03/18/24 09:10	03/19/24 02:05	1	
Toluene	<0.00201	U	0.00201	mg/Kg		03/18/24 09:10	03/19/24 02:05	1	
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/18/24 09:10	03/19/24 02:05	1	
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		03/18/24 09:10	03/19/24 02:05	1	
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/18/24 09:10	03/19/24 02:05	1	
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/18/24 09:10	03/19/24 02:05	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	108		70 - 130			03/18/24 09:10	03/19/24 02:05	1	
1,4-Difluorobenzene (Surr)	101		70 - 130			03/18/24 09:10	03/19/24 02:05	1	
Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00402	U	0.00402	mg/Kg			03/19/24 02:05	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	95.9		50.0	mg/Kg			03/18/24 14:55	1	

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

Client Sample ID: SW - 01

Lab Sample ID: 890-6359-8

Date Collected: 03/13/24 10:56

Matrix: Solid

Date Received: 03/13/24 16:32

Sample Depth: 0 - 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		03/18/24 08:42	03/18/24 14:55	1
Diesel Range Organics (Over C10-C28)	95.9		50.0	mg/Kg		03/18/24 08:42	03/18/24 14:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/18/24 08:42	03/18/24 14:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130			03/18/24 08:42	03/18/24 14:55	1
o-Terphenyl	81		70 - 130			03/18/24 08:42	03/18/24 14:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	87.4		5.05	mg/Kg			03/18/24 19:02	1

Client Sample ID: SS 69

Lab Sample ID: 890-6359-9

Date Collected: 03/13/24 10:58

Matrix: Solid

Date Received: 03/13/24 16:32

Sample Depth: 0 - 0.5'

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		03/18/24 09:10	03/19/24 02:26	1
Toluene	<0.00202	U	0.00202	mg/Kg		03/18/24 09:10	03/19/24 02:26	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		03/18/24 09:10	03/19/24 02:26	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		03/18/24 09:10	03/19/24 02:26	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		03/18/24 09:10	03/19/24 02:26	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		03/18/24 09:10	03/19/24 02:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130			03/18/24 09:10	03/19/24 02:26	1
1,4-Difluorobenzene (Surr)	107		70 - 130			03/18/24 09:10	03/19/24 02:26	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			03/19/24 02:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	125		50.1	mg/Kg			03/18/24 15:16	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		03/18/24 08:42	03/18/24 15:16	1
Diesel Range Organics (Over C10-C28)	125		50.1	mg/Kg		03/18/24 08:42	03/18/24 15:16	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		03/18/24 08:42	03/18/24 15:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130			03/18/24 08:42	03/18/24 15:16	1
o-Terphenyl	79		70 - 130			03/18/24 08:42	03/18/24 15:16	1

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

Client Sample ID: SS 69

Lab Sample ID: 890-6359-9

Date Collected: 03/13/24 10:58

Matrix: Solid

Date Received: 03/13/24 16:32

Sample Depth: 0 - 0.5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	441		5.01	mg/Kg			03/18/24 19:08	1

Client Sample ID: SS 70

Lab Sample ID: 890-6359-10

Date Collected: 03/13/24 11:00

Matrix: Solid

Date Received: 03/13/24 16:32

Sample Depth: 0 - 0.5'

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		03/18/24 09:10	03/19/24 02:46	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/18/24 09:10	03/19/24 02:46	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/18/24 09:10	03/19/24 02:46	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		03/18/24 09:10	03/19/24 02:46	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/18/24 09:10	03/19/24 02:46	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		03/18/24 09:10	03/19/24 02:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130			03/18/24 09:10	03/19/24 02:46	1
1,4-Difluorobenzene (Surr)	106		70 - 130			03/18/24 09:10	03/19/24 02:46	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			03/19/24 02:46	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	50.3		50.1	mg/Kg			03/18/24 11:23	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		03/18/24 08:42	03/18/24 11:23	1
Diesel Range Organics (Over C10-C28)	50.3		50.1	mg/Kg		03/18/24 08:42	03/18/24 11:23	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		03/18/24 08:42	03/18/24 11:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130			03/18/24 08:42	03/18/24 11:23	1
o-Terphenyl	88		70 - 130			03/18/24 08:42	03/18/24 11:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	111		4.98	mg/Kg			03/18/24 19:13	1

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

Client Sample ID: SS 71

Lab Sample ID: 890-6359-11

Date Collected: 03/13/24 11:02

Matrix: Solid

Date Received: 03/13/24 16:32

Sample Depth: 0 - 0.5'

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		03/18/24 09:10	03/19/24 04:34	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/18/24 09:10	03/19/24 04:34	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/18/24 09:10	03/19/24 04:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/18/24 09:10	03/19/24 04:34	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/18/24 09:10	03/19/24 04:34	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/18/24 09:10	03/19/24 04:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130	03/18/24 09:10	03/19/24 04:34	1
1,4-Difluorobenzene (Surr)	119		70 - 130	03/18/24 09:10	03/19/24 04:34	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			03/19/24 04:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2	mg/Kg			03/18/24 15:58	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	<50.2	U	50.2	mg/Kg		03/18/24 08:42	03/18/24 15:58	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2	mg/Kg		03/18/24 08:42	03/18/24 15:58	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2	mg/Kg		03/18/24 08:42	03/18/24 15:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130	03/18/24 08:42	03/18/24 15:58	1
o-Terphenyl	91		70 - 130	03/18/24 08:42	03/18/24 15:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	63.8	F1	4.96	mg/Kg			03/18/24 19:18	1

Client Sample ID: SS 72

Lab Sample ID: 890-6359-12

Date Collected: 03/13/24 11:04

Matrix: Solid

Date Received: 03/13/24 16:32

Sample Depth: 0 - 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		03/18/24 09:10	03/19/24 05:00	1
Toluene	<0.00198	U	0.00198	mg/Kg		03/18/24 09:10	03/19/24 05:00	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/18/24 09:10	03/19/24 05:00	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		03/18/24 09:10	03/19/24 05:00	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		03/18/24 09:10	03/19/24 05:00	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		03/18/24 09:10	03/19/24 05:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	03/18/24 09:10	03/19/24 05:00	1

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

Client Sample ID: SS 72

Lab Sample ID: 890-6359-12

Date Collected: 03/13/24 11:04

Matrix: Solid

Date Received: 03/13/24 16:32

Sample Depth: 0 - 0.5'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	103		70 - 130	03/18/24 09:10	03/19/24 05:00	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			03/19/24 05:00	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	169		50.2	mg/Kg			03/18/24 16:19	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	<50.2	U	50.2	mg/Kg		03/18/24 08:42	03/18/24 16:19	1
Diesel Range Organics (Over C10-C28)	169		50.2	mg/Kg		03/18/24 08:42	03/18/24 16:19	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2	mg/Kg		03/18/24 08:42	03/18/24 16:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130			03/18/24 08:42	03/18/24 16:19	1
o-Terphenyl	92		70 - 130			03/18/24 08:42	03/18/24 16:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	177		5.03	mg/Kg			03/18/24 19:34	1

Client Sample ID: SS 73

Lab Sample ID: 890-6359-13

Date Collected: 03/13/24 11:06

Matrix: Solid

Date Received: 03/13/24 16:32

Sample Depth: 0 - 0.5'

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		03/18/24 09:10	03/19/24 05:28	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/18/24 09:10	03/19/24 05:28	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/18/24 09:10	03/19/24 05:28	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		03/18/24 09:10	03/19/24 05:28	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/18/24 09:10	03/19/24 05:28	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		03/18/24 09:10	03/19/24 05:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130			03/18/24 09:10	03/19/24 05:28	1
1,4-Difluorobenzene (Surr)	101		70 - 130			03/18/24 09:10	03/19/24 05:28	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			03/19/24 05:28	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	331		50.0	mg/Kg			03/18/24 16:41	1

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

Client Sample ID: SS 73

Lab Sample ID: 890-6359-13

Date Collected: 03/13/24 11:06

Matrix: Solid

Date Received: 03/13/24 16:32

Sample Depth: 0 - 0.5'

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		03/18/24 08:42	03/18/24 16:41	1
Diesel Range Organics (Over C10-C28)	331		50.0	mg/Kg		03/18/24 08:42	03/18/24 16:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/18/24 08:42	03/18/24 16:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130			03/18/24 08:42	03/18/24 16:41	1
o-Terphenyl	95		70 - 130			03/18/24 08:42	03/18/24 16:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	117		5.05	mg/Kg			03/18/24 19:40	1

Client Sample ID: SS 74

Lab Sample ID: 890-6359-14

Date Collected: 03/13/24 11:08

Matrix: Solid

Date Received: 03/13/24 16:32

Sample Depth: 0 - 0.5'

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		03/18/24 09:10	03/19/24 05:49	1
Toluene	<0.00201	U	0.00201	mg/Kg		03/18/24 09:10	03/19/24 05:49	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/18/24 09:10	03/19/24 05:49	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		03/18/24 09:10	03/19/24 05:49	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/18/24 09:10	03/19/24 05:49	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/18/24 09:10	03/19/24 05:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130			03/18/24 09:10	03/19/24 05:49	1
1,4-Difluorobenzene (Surr)	100		70 - 130			03/18/24 09:10	03/19/24 05:49	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			03/19/24 05:49	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/18/24 17:02	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		03/18/24 08:42	03/18/24 17:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/18/24 08:42	03/18/24 17:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/18/24 08:42	03/18/24 17:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130			03/18/24 08:42	03/18/24 17:02	1
o-Terphenyl	94		70 - 130			03/18/24 08:42	03/18/24 17:02	1

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

Client Sample ID: SS 74

Lab Sample ID: 890-6359-14

Date Collected: 03/13/24 11:08

Matrix: Solid

Date Received: 03/13/24 16:32

Sample Depth: 0 - 0.5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	77.5		5.01	mg/Kg			03/18/24 19:56	1

Client Sample ID: SS 75

Lab Sample ID: 890-6359-15

Date Collected: 03/13/24 11:10

Matrix: Solid

Date Received: 03/13/24 16:32

Sample Depth: 0 - 0.5'

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		03/18/24 09:10	03/19/24 06:10	1
Toluene	<0.00202	U	0.00202	mg/Kg		03/18/24 09:10	03/19/24 06:10	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		03/18/24 09:10	03/19/24 06:10	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		03/18/24 09:10	03/19/24 06:10	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		03/18/24 09:10	03/19/24 06:10	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		03/18/24 09:10	03/19/24 06:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130			03/18/24 09:10	03/19/24 06:10	1
1,4-Difluorobenzene (Surr)	104		70 - 130			03/18/24 09:10	03/19/24 06:10	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			03/19/24 06:10	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	164		50.0	mg/Kg			03/18/24 17:24	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		03/18/24 08:42	03/18/24 17:24	1
Diesel Range Organics (Over C10-C28)	164		50.0	mg/Kg		03/18/24 08:42	03/18/24 17:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/18/24 08:42	03/18/24 17:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130			03/18/24 08:42	03/18/24 17:24	1
o-Terphenyl	85		70 - 130			03/18/24 08:42	03/18/24 17:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	96.1		5.01	mg/Kg			03/18/24 20:01	1

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

Client Sample ID: SS 76

Lab Sample ID: 890-6359-16

Date Collected: 03/13/24 11:12

Matrix: Solid

Date Received: 03/13/24 16:32

Sample Depth: 0 - 0.5'

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		03/18/24 09:10	03/19/24 06:30	1
Toluene	<0.00202	U	0.00202	mg/Kg		03/18/24 09:10	03/19/24 06:30	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		03/18/24 09:10	03/19/24 06:30	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		03/18/24 09:10	03/19/24 06:30	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		03/18/24 09:10	03/19/24 06:30	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		03/18/24 09:10	03/19/24 06:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	03/18/24 09:10	03/19/24 06:30	1
1,4-Difluorobenzene (Surr)	105		70 - 130	03/18/24 09:10	03/19/24 06:30	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			03/19/24 06:30	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/18/24 17:45	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	<50.0	U	50.0	mg/Kg		03/18/24 08:42	03/18/24 17:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/18/24 08:42	03/18/24 17:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/18/24 08:42	03/18/24 17:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	03/18/24 08:42	03/18/24 17:45	1
o-Terphenyl	87		70 - 130	03/18/24 08:42	03/18/24 17:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	91.1		5.00	mg/Kg			03/18/24 20:06	1

Client Sample ID: SS 77

Lab Sample ID: 890-6359-17

Date Collected: 03/13/24 11:14

Matrix: Solid

Date Received: 03/13/24 16:32

Sample Depth: 0 - 0.5'

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		03/18/24 09:10	03/19/24 06:50	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/18/24 09:10	03/19/24 06:50	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/18/24 09:10	03/19/24 06:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/18/24 09:10	03/19/24 06:50	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/18/24 09:10	03/19/24 06:50	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/18/24 09:10	03/19/24 06:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	03/18/24 09:10	03/19/24 06:50	1

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

Client Sample ID: SS 77

Lab Sample ID: 890-6359-17

Date Collected: 03/13/24 11:14

Matrix: Solid

Date Received: 03/13/24 16:32

Sample Depth: 0 - 0.5'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	102		70 - 130	03/18/24 09:10	03/19/24 06:50	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			03/19/24 06:50	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			03/18/24 18:06	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		03/18/24 08:42	03/18/24 18:06	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		03/18/24 08:42	03/18/24 18:06	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		03/18/24 08:42	03/18/24 18:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130			03/18/24 08:42	03/18/24 18:06	1
o-Terphenyl	89		70 - 130			03/18/24 08:42	03/18/24 18:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	93.5		4.99	mg/Kg			03/18/24 20:12	1

Client Sample ID: SS 78

Lab Sample ID: 890-6359-18

Date Collected: 03/13/24 11:16

Matrix: Solid

Date Received: 03/13/24 16:32

Sample Depth: 0 - 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		03/18/24 09:10	03/19/24 07:11	1
Toluene	<0.00198	U	0.00198	mg/Kg		03/18/24 09:10	03/19/24 07:11	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/18/24 09:10	03/19/24 07:11	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		03/18/24 09:10	03/19/24 07:11	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		03/18/24 09:10	03/19/24 07:11	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		03/18/24 09:10	03/19/24 07:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130			03/18/24 09:10	03/19/24 07:11	1
1,4-Difluorobenzene (Surr)	107		70 - 130			03/18/24 09:10	03/19/24 07:11	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			03/19/24 07:11	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			03/18/24 18:27	1

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

Client Sample ID: SS 78

Lab Sample ID: 890-6359-18

Date Collected: 03/13/24 11:16

Matrix: Solid

Date Received: 03/13/24 16:32

Sample Depth: 0 - 0.5'

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		03/18/24 08:42	03/18/24 18:27	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		03/18/24 08:42	03/18/24 18:27	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		03/18/24 08:42	03/18/24 18:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130			03/18/24 08:42	03/18/24 18:27	1
o-Terphenyl	83		70 - 130			03/18/24 08:42	03/18/24 18:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	91.9		5.04	mg/Kg			03/18/24 20:17	1

Client Sample ID: SS 79

Lab Sample ID: 890-6359-19

Date Collected: 03/13/24 11:18

Matrix: Solid

Date Received: 03/13/24 16:32

Sample Depth: 0 - 0.5'

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		03/18/24 09:10	03/19/24 07:32	1
Toluene	<0.00201	U	0.00201	mg/Kg		03/18/24 09:10	03/19/24 07:32	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/18/24 09:10	03/19/24 07:32	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		03/18/24 09:10	03/19/24 07:32	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/18/24 09:10	03/19/24 07:32	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/18/24 09:10	03/19/24 07:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130			03/18/24 09:10	03/19/24 07:32	1
1,4-Difluorobenzene (Surr)	107		70 - 130			03/18/24 09:10	03/19/24 07:32	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			03/19/24 07:32	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			03/18/24 18:48	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		03/18/24 08:42	03/18/24 18:48	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		03/18/24 08:42	03/18/24 18:48	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		03/18/24 08:42	03/18/24 18:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130			03/18/24 08:42	03/18/24 18:48	1
o-Terphenyl	101		70 - 130			03/18/24 08:42	03/18/24 18:48	1

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

Client Sample ID: SS 79
Date Collected: 03/13/24 11:18
Date Received: 03/13/24 16:32
Sample Depth: 0 - 0.5'

Lab Sample ID: 890-6359-19
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	99.1		5.02	mg/Kg			03/18/24 20:22	1	

Client Sample ID: SS 80
Date Collected: 03/13/24 11:20
Date Received: 03/13/24 16:32
Sample Depth: 0 - 0.5'

Lab Sample ID: 890-6359-20
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		03/18/24 09:10	03/19/24 07:52	1	
Toluene	<0.00202	U	0.00202	mg/Kg		03/18/24 09:10	03/19/24 07:52	1	
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		03/18/24 09:10	03/19/24 07:52	1	
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		03/18/24 09:10	03/19/24 07:52	1	
o-Xylene	<0.00202	U	0.00202	mg/Kg		03/18/24 09:10	03/19/24 07:52	1	
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		03/18/24 09:10	03/19/24 07:52	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	117		70 - 130			03/18/24 09:10	03/19/24 07:52	1	
1,4-Difluorobenzene (Surr)	103		70 - 130			03/18/24 09:10	03/19/24 07:52	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			03/19/24 07:52	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			03/18/24 19:09	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	<49.7	U	49.7	mg/Kg		03/18/24 08:42	03/18/24 19:09	1	
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		03/18/24 08:42	03/18/24 19:09	1	
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		03/18/24 08:42	03/18/24 19:09	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	98		70 - 130			03/18/24 08:42	03/18/24 19:09	1	
o-Terphenyl	86		70 - 130			03/18/24 08:42	03/18/24 19:09	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	68.1		4.98	mg/Kg			03/18/24 20:28	1	

Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

Client Sample ID: SS 81

Lab Sample ID: 890-6359-21

Date Collected: 03/13/24 11:22

Matrix: Solid

Date Received: 03/13/24 16:32

Sample Depth: 0 - 0.5'

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		03/18/24 08:57	03/19/24 01:34	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/18/24 08:57	03/19/24 01:34	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/18/24 08:57	03/19/24 01:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/18/24 08:57	03/19/24 01:34	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/18/24 08:57	03/19/24 01:34	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/18/24 08:57	03/19/24 01:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130	03/18/24 08:57	03/19/24 01:34	1
1,4-Difluorobenzene (Surr)	78		70 - 130	03/18/24 08:57	03/19/24 01:34	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			03/19/24 01:34	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			03/18/24 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	<49.8	U	49.8	mg/Kg		03/18/24 08:51	03/18/24 21:59	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		03/18/24 08:51	03/18/24 21:59	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		03/18/24 08:51	03/18/24 21:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	03/18/24 08:51	03/18/24 21:59	1
o-Terphenyl	91		70 - 130	03/18/24 08:51	03/18/24 21:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	85.6		5.03	mg/Kg			03/19/24 03:07	1

Client Sample ID: SS 68

Lab Sample ID: 890-6359-22

Date Collected: 03/13/24 12:31

Matrix: Solid

Date Received: 03/13/24 16:32

Sample Depth: 0 - 0.5'

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		03/18/24 08:57	03/19/24 02:00	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/18/24 08:57	03/19/24 02:00	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/18/24 08:57	03/19/24 02:00	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/18/24 08:57	03/19/24 02:00	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/18/24 08:57	03/19/24 02:00	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/18/24 08:57	03/19/24 02:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	174	S1+	70 - 130	03/18/24 08:57	03/19/24 02:00	1

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

Client Sample ID: SS 68

Lab Sample ID: 890-6359-22

Date Collected: 03/13/24 12:31

Matrix: Solid

Date Received: 03/13/24 16:32

Sample Depth: 0 - 0.5'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	89		70 - 130	03/18/24 08:57	03/19/24 02:00	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			03/19/24 02:00	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/18/24 20:55	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	<50.0	U	50.0	mg/Kg		03/18/24 08:51	03/18/24 20:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/18/24 08:51	03/18/24 20:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/18/24 08:51	03/18/24 20:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130			03/18/24 08:51	03/18/24 20:55	1
o-Terphenyl	90		70 - 130			03/18/24 08:51	03/18/24 20:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	85.7		5.05	mg/Kg			03/19/24 03:23	1

Client Sample ID: SS 67

Lab Sample ID: 890-6359-23

Date Collected: 03/13/24 12:36

Matrix: Solid

Date Received: 03/13/24 16:32

Sample Depth: 0 - 0.5'

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		03/18/24 08:57	03/19/24 02:25	1
Toluene	<0.00201	U	0.00201	mg/Kg		03/18/24 08:57	03/19/24 02:25	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/18/24 08:57	03/19/24 02:25	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		03/18/24 08:57	03/19/24 02:25	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/18/24 08:57	03/19/24 02:25	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/18/24 08:57	03/19/24 02:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	159	S1+	70 - 130	03/18/24 08:57	03/19/24 02:25	1
1,4-Difluorobenzene (Surr)	88		70 - 130	03/18/24 08:57	03/19/24 02:25	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			03/19/24 02:25	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	176		49.7	mg/Kg			03/18/24 22:20	1

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

Client Sample ID: SS 67
Date Collected: 03/13/24 12:36
Date Received: 03/13/24 16:32
Sample Depth: 0 - 0.5'

Lab Sample ID: 890-6359-23
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		03/18/24 08:51	03/18/24 22:20	1	
Diesel Range Organics (Over C10-C28)	176		49.7	mg/Kg		03/18/24 08:51	03/18/24 22:20	1	
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		03/18/24 08:51	03/18/24 22:20	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	110		70 - 130			03/18/24 08:51	03/18/24 22:20	1	
o-Terphenyl	89		70 - 130			03/18/24 08:51	03/18/24 22:20	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	90.8		5.02	mg/Kg			03/19/24 03:29	1	

Client Sample ID: SS 66
Date Collected: 03/13/24 12:39
Date Received: 03/13/24 16:32
Sample Depth: 0 - 0.5'

Lab Sample ID: 890-6359-24
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		03/18/24 08:57	03/19/24 02:51	1	
Toluene	<0.00200	U	0.00200	mg/Kg		03/18/24 08:57	03/19/24 02:51	1	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/18/24 08:57	03/19/24 02:51	1	
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		03/18/24 08:57	03/19/24 02:51	1	
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/18/24 08:57	03/19/24 02:51	1	
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		03/18/24 08:57	03/19/24 02:51	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	124		70 - 130			03/18/24 08:57	03/19/24 02:51	1	
1,4-Difluorobenzene (Surr)	80		70 - 130			03/18/24 08:57	03/19/24 02:51	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			03/19/24 02:51	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	147		49.7	mg/Kg			03/18/24 22:41	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		03/18/24 08:51	03/18/24 22:41	1	
Diesel Range Organics (Over C10-C28)	147		49.7	mg/Kg		03/18/24 08:51	03/18/24 22:41	1	
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		03/18/24 08:51	03/18/24 22:41	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	125		70 - 130			03/18/24 08:51	03/18/24 22:41	1	
o-Terphenyl	104		70 - 130			03/18/24 08:51	03/18/24 22:41	1	

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

Client Sample ID: SS 66

Lab Sample ID: 890-6359-24

Date Collected: 03/13/24 12:39

Matrix: Solid

Date Received: 03/13/24 16:32

Sample Depth: 0 - 0.5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	72.8		4.99	mg/Kg			03/19/24 03:34	1

Client Sample ID: SS 65

Lab Sample ID: 890-6359-25

Date Collected: 03/13/24 12:43

Matrix: Solid

Date Received: 03/13/24 16:32

Sample Depth: 0 - 0.5'

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		03/18/24 08:57	03/19/24 03:16	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/18/24 08:57	03/19/24 03:16	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/18/24 08:57	03/19/24 03:16	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		03/18/24 08:57	03/19/24 03:16	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/18/24 08:57	03/19/24 03:16	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		03/18/24 08:57	03/19/24 03:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	144	S1+	70 - 130			03/18/24 08:57	03/19/24 03:16	1
1,4-Difluorobenzene (Surr)	86		70 - 130			03/18/24 08:57	03/19/24 03:16	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			03/19/24 03:16	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	105		49.8	mg/Kg			03/18/24 23:03	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	<49.8	U	49.8	mg/Kg		03/18/24 08:51	03/18/24 23:03	1
Diesel Range Organics (Over C10-C28)	105		49.8	mg/Kg		03/18/24 08:51	03/18/24 23:03	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		03/18/24 08:51	03/18/24 23:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130			03/18/24 08:51	03/18/24 23:03	1
o-Terphenyl	97		70 - 130			03/18/24 08:51	03/18/24 23:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	65.9		4.99	mg/Kg			03/19/24 03:39	1

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

Client Sample ID: SS 64

Lab Sample ID: 890-6359-26

Date Collected: 03/13/24 13:32

Matrix: Solid

Date Received: 03/13/24 16:32

Sample Depth: 0 - 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		03/18/24 08:57	03/19/24 03:42	1
Toluene	<0.00198	U	0.00198	mg/Kg		03/18/24 08:57	03/19/24 03:42	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/18/24 08:57	03/19/24 03:42	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		03/18/24 08:57	03/19/24 03:42	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		03/18/24 08:57	03/19/24 03:42	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		03/18/24 08:57	03/19/24 03:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	03/18/24 08:57	03/19/24 03:42	1
1,4-Difluorobenzene (Surr)	81		70 - 130	03/18/24 08:57	03/19/24 03:42	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			03/19/24 03:42	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			03/18/24 23:24	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		03/18/24 08:51	03/18/24 23:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/18/24 08:51	03/18/24 23:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/18/24 08:51	03/18/24 23:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	03/18/24 08:51	03/18/24 23:24	1
o-Terphenyl	93		70 - 130	03/18/24 08:51	03/18/24 23:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	54.5		4.98	mg/Kg			03/19/24 03:55	1

Client Sample ID: SS 63

Lab Sample ID: 890-6359-27

Date Collected: 03/13/24 13:36

Matrix: Solid

Date Received: 03/13/24 16:32

Sample Depth: 0 - 0.5'

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		03/18/24 08:57	03/19/24 04:08	1
Toluene	<0.00201	U	0.00201	mg/Kg		03/18/24 08:57	03/19/24 04:08	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/18/24 08:57	03/19/24 04:08	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		03/18/24 08:57	03/19/24 04:08	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/18/24 08:57	03/19/24 04:08	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/18/24 08:57	03/19/24 04:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	145	S1+	70 - 130	03/18/24 08:57	03/19/24 04:08	1

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

Client Sample ID: SS 63
Date Collected: 03/13/24 13:36
Date Received: 03/13/24 16:32
Sample Depth: 0 - 0.5'

Lab Sample ID: 890-6359-27
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)									
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1,4-Difluorobenzene (Surr)	81		70 - 130			03/18/24 08:57	03/19/24 04:08	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			03/19/24 04:08	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<50.0	U	50.0	mg/Kg			03/18/24 23:45	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	<50.0	U	50.0	mg/Kg		03/18/24 08:51	03/18/24 23:45	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/18/24 08:51	03/18/24 23:45	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/18/24 08:51	03/18/24 23:45	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	105		70 - 130			03/18/24 08:51	03/18/24 23:45	1	
o-Terphenyl	91		70 - 130			03/18/24 08:51	03/18/24 23:45	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	57.7		5.00	mg/Kg			03/19/24 04:00	1	

Client Sample ID: SS 62
Date Collected: 03/13/24 13:42
Date Received: 03/13/24 16:32
Sample Depth: 0 - 0.5'

Lab Sample ID: 890-6359-28
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		03/18/24 08:57	03/19/24 04:33	1	
Toluene	<0.00200	U	0.00200	mg/Kg		03/18/24 08:57	03/19/24 04:33	1	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/18/24 08:57	03/19/24 04:33	1	
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		03/18/24 08:57	03/19/24 04:33	1	
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/18/24 08:57	03/19/24 04:33	1	
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		03/18/24 08:57	03/19/24 04:33	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	170	S1+	70 - 130			03/18/24 08:57	03/19/24 04:33	1	
1,4-Difluorobenzene (Surr)	76		70 - 130			03/18/24 08:57	03/19/24 04:33	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			03/19/24 04:33	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<50.0	U	50.0	mg/Kg			03/19/24 00:07	1	

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

Client Sample ID: SS 62
Date Collected: 03/13/24 13:42
Date Received: 03/13/24 16:32
Sample Depth: 0 - 0.5'

Lab Sample ID: 890-6359-28
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	<50.0	U	50.0	mg/Kg		03/18/24 08:51	03/19/24 00:07	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/18/24 08:51	03/19/24 00:07	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/18/24 08:51	03/19/24 00:07	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	102		70 - 130			03/18/24 08:51	03/19/24 00:07	1	
o-Terphenyl	86		70 - 130			03/18/24 08:51	03/19/24 00:07	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	59.4		5.02	mg/Kg			03/19/24 04:06	1	

Client Sample ID: SS 61
Date Collected: 03/13/24 13:38
Date Received: 03/13/24 16:32
Sample Depth: 0 - 0.5'

Lab Sample ID: 890-6359-29
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		03/18/24 08:57	03/19/24 04:59	1	
Toluene	<0.00199	U	0.00199	mg/Kg		03/18/24 08:57	03/19/24 04:59	1	
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/18/24 08:57	03/19/24 04:59	1	
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/18/24 08:57	03/19/24 04:59	1	
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/18/24 08:57	03/19/24 04:59	1	
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/18/24 08:57	03/19/24 04:59	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	169	S1+	70 - 130			03/18/24 08:57	03/19/24 04:59	1	
1,4-Difluorobenzene (Surr)	87		70 - 130			03/18/24 08:57	03/19/24 04:59	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			03/19/24 04:59	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			03/19/24 00:27	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		03/18/24 08:51	03/19/24 00:27	1	
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		03/18/24 08:51	03/19/24 00:27	1	
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		03/18/24 08:51	03/19/24 00:27	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	102		70 - 130			03/18/24 08:51	03/19/24 00:27	1	
o-Terphenyl	86		70 - 130			03/18/24 08:51	03/19/24 00:27	1	

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

Client Sample ID: SS 61

Lab Sample ID: 890-6359-29

Date Collected: 03/13/24 13:38

Matrix: Solid

Date Received: 03/13/24 16:32

Sample Depth: 0 - 0.5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	84.2		5.01	mg/Kg			03/19/24 04:11	1

Client Sample ID: SS 60

Lab Sample ID: 890-6359-30

Date Collected: 03/13/24 13:45

Matrix: Solid

Date Received: 03/13/24 16:32

Sample Depth: 0 - 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		03/18/24 08:57	03/19/24 05:25	1
Toluene	<0.00198	U	0.00198	mg/Kg		03/18/24 08:57	03/19/24 05:25	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/18/24 08:57	03/19/24 05:25	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		03/18/24 08:57	03/19/24 05:25	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		03/18/24 08:57	03/19/24 05:25	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		03/18/24 08:57	03/19/24 05:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	151	S1+	70 - 130			03/18/24 08:57	03/19/24 05:25	1
1,4-Difluorobenzene (Surr)	78		70 - 130			03/18/24 08:57	03/19/24 05:25	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			03/19/24 05:25	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/19/24 00:48	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		03/18/24 08:51	03/19/24 00:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/18/24 08:51	03/19/24 00:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/18/24 08:51	03/19/24 00:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130			03/18/24 08:51	03/19/24 00:48	1
o-Terphenyl	87		70 - 130			03/18/24 08:51	03/19/24 00:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	62.3		5.04	mg/Kg			03/19/24 04:17	1

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

Client Sample ID: SS 59

Lab Sample ID: 890-6359-31

Date Collected: 03/13/24 13:22

Matrix: Solid

Date Received: 03/13/24 16:32

Sample Depth: 0 - 0.5'

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		03/18/24 08:57	03/19/24 07:10	1
Toluene	<0.00202	U	0.00202	mg/Kg		03/18/24 08:57	03/19/24 07:10	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		03/18/24 08:57	03/19/24 07:10	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		03/18/24 08:57	03/19/24 07:10	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		03/18/24 08:57	03/19/24 07:10	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		03/18/24 08:57	03/19/24 07:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	146	S1+	70 - 130	03/18/24 08:57	03/19/24 07:10	1
1,4-Difluorobenzene (Surr)	76		70 - 130	03/18/24 08:57	03/19/24 07:10	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			03/19/24 07:10	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	140		50.0	mg/Kg			03/19/24 01:30	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	<50.0	U	50.0	mg/Kg		03/18/24 08:51	03/19/24 01:30	1
Diesel Range Organics (Over C10-C28)	140		50.0	mg/Kg		03/18/24 08:51	03/19/24 01:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/18/24 08:51	03/19/24 01:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	03/18/24 08:51	03/19/24 01:30	1
o-Terphenyl	75		70 - 130	03/18/24 08:51	03/19/24 01:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	125		4.98	mg/Kg			03/19/24 04:22	1

Client Sample ID: SS 58

Lab Sample ID: 890-6359-32

Date Collected: 03/13/24 13:10

Matrix: Solid

Date Received: 03/13/24 16:32

Sample Depth: 0 - 0.5'

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		03/18/24 08:57	03/19/24 07:36	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/18/24 08:57	03/19/24 07:36	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/18/24 08:57	03/19/24 07:36	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/18/24 08:57	03/19/24 07:36	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/18/24 08:57	03/19/24 07:36	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/18/24 08:57	03/19/24 07:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	154	S1+	70 - 130	03/18/24 08:57	03/19/24 07:36	1

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

Client Sample ID: SS 58

Lab Sample ID: 890-6359-32

Date Collected: 03/13/24 13:10

Matrix: Solid

Date Received: 03/13/24 16:32

Sample Depth: 0 - 0.5'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	74		70 - 130	03/18/24 08:57	03/19/24 07:36	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			03/19/24 07:36	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			03/19/24 01:51	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	<50.1	U	50.1	mg/Kg		03/18/24 08:51	03/19/24 01:51	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		03/18/24 08:51	03/19/24 01:51	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		03/18/24 08:51	03/19/24 01:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130			03/18/24 08:51	03/19/24 01:51	1
o-Terphenyl	89		70 - 130			03/18/24 08:51	03/19/24 01:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	86.5		4.97	mg/Kg			03/19/24 04:38	1

Client Sample ID: SS 57

Lab Sample ID: 890-6359-33

Date Collected: 03/13/24 12:59

Matrix: Solid

Date Received: 03/13/24 16:32

Sample Depth: 0 - 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		03/18/24 08:57	03/19/24 08:02	1
Toluene	<0.00198	U	0.00198	mg/Kg		03/18/24 08:57	03/19/24 08:02	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/18/24 08:57	03/19/24 08:02	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		03/18/24 08:57	03/19/24 08:02	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		03/18/24 08:57	03/19/24 08:02	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		03/18/24 08:57	03/19/24 08:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	171	S1+	70 - 130			03/18/24 08:57	03/19/24 08:02	1
1,4-Difluorobenzene (Surr)	74		70 - 130			03/18/24 08:57	03/19/24 08:02	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			03/19/24 08:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	121		50.1	mg/Kg			03/19/24 02:12	1

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

Client Sample ID: SS 57
Date Collected: 03/13/24 12:59
Date Received: 03/13/24 16:32
Sample Depth: 0 - 0.5'

Lab Sample ID: 890-6359-33
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	<50.1	U	50.1	mg/Kg		03/18/24 08:51	03/19/24 02:12	1	
Diesel Range Organics (Over C10-C28)	121		50.1	mg/Kg		03/18/24 08:51	03/19/24 02:12	1	
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		03/18/24 08:51	03/19/24 02:12	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	118		70 - 130			03/18/24 08:51	03/19/24 02:12	1	
o-Terphenyl	101		70 - 130			03/18/24 08:51	03/19/24 02:12	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	59.4		4.96	mg/Kg			03/19/24 04:43	1	

Client Sample ID: SS 56
Date Collected: 03/13/24 13:02
Date Received: 03/13/24 16:32
Sample Depth: 0 - 0.5'

Lab Sample ID: 890-6359-34
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		03/18/24 08:57	03/19/24 08:28	1	
Toluene	<0.00201	U	0.00201	mg/Kg		03/18/24 08:57	03/19/24 08:28	1	
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/18/24 08:57	03/19/24 08:28	1	
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		03/18/24 08:57	03/19/24 08:28	1	
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/18/24 08:57	03/19/24 08:28	1	
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/18/24 08:57	03/19/24 08:28	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	152	S1+	70 - 130			03/18/24 08:57	03/19/24 08:28	1	
1,4-Difluorobenzene (Surr)	84		70 - 130			03/18/24 08:57	03/19/24 08:28	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			03/19/24 08:28	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			03/19/24 02:33	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	<49.8	U	49.8	mg/Kg		03/18/24 08:51	03/19/24 02:33	1	
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		03/18/24 08:51	03/19/24 02:33	1	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		03/18/24 08:51	03/19/24 02:33	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	109		70 - 130			03/18/24 08:51	03/19/24 02:33	1	
o-Terphenyl	90		70 - 130			03/18/24 08:51	03/19/24 02:33	1	

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

Client Sample ID: SS 56

Lab Sample ID: 890-6359-34

Date Collected: 03/13/24 13:02

Matrix: Solid

Date Received: 03/13/24 16:32

Sample Depth: 0 - 0.5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	66.3		5.01	mg/Kg			03/19/24 04:59	1

Client Sample ID: SS 55

Lab Sample ID: 890-6359-35

Date Collected: 03/13/24 13:06

Matrix: Solid

Date Received: 03/13/24 16:32

Sample Depth: 0 - 0.5'

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		03/18/24 08:57	03/19/24 08:55	1
Toluene	<0.00202	U	0.00202	mg/Kg		03/18/24 08:57	03/19/24 08:55	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		03/18/24 08:57	03/19/24 08:55	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		03/18/24 08:57	03/19/24 08:55	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		03/18/24 08:57	03/19/24 08:55	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		03/18/24 08:57	03/19/24 08:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130			03/18/24 08:57	03/19/24 08:55	1
1,4-Difluorobenzene (Surr)	71		70 - 130			03/18/24 08:57	03/19/24 08:55	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			03/19/24 08:55	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	104		49.7	mg/Kg			03/19/24 02:53	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		03/18/24 08:51	03/19/24 02:53	1
Diesel Range Organics (Over C10-C28)	104		49.7	mg/Kg		03/18/24 08:51	03/19/24 02:53	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		03/18/24 08:51	03/19/24 02:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130			03/18/24 08:51	03/19/24 02:53	1
o-Terphenyl	86		70 - 130			03/18/24 08:51	03/19/24 02:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	91.6		5.02	mg/Kg			03/19/24 05:05	1

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

Client Sample ID: SS 54

Lab Sample ID: 890-6359-36

Date Collected: 03/13/24 13:15

Matrix: Solid

Date Received: 03/13/24 16:32

Sample Depth: 0 - 0.5'

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		03/18/24 08:57	03/19/24 09:20	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/18/24 08:57	03/19/24 09:20	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/18/24 08:57	03/19/24 09:20	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		03/18/24 08:57	03/19/24 09:20	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/18/24 08:57	03/19/24 09:20	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		03/18/24 08:57	03/19/24 09:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	162	S1+	70 - 130	03/18/24 08:57	03/19/24 09:20	1
1,4-Difluorobenzene (Surr)	91		70 - 130	03/18/24 08:57	03/19/24 09:20	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			03/19/24 09:20	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			03/19/24 03:15	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		03/18/24 08:51	03/19/24 03:15	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		03/18/24 08:51	03/19/24 03:15	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		03/18/24 08:51	03/19/24 03:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130	03/18/24 08:51	03/19/24 03:15	1
o-Terphenyl	91		70 - 130	03/18/24 08:51	03/19/24 03:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	77.3		5.04	mg/Kg			03/19/24 05:10	1

Client Sample ID: SS 53

Lab Sample ID: 890-6359-37

Date Collected: 03/13/24 13:13

Matrix: Solid

Date Received: 03/13/24 16:32

Sample Depth: 0 - 0.5'

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		03/18/24 08:57	03/19/24 09:46	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/18/24 08:57	03/19/24 09:46	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/18/24 08:57	03/19/24 09:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/18/24 08:57	03/19/24 09:46	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/18/24 08:57	03/19/24 09:46	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/18/24 08:57	03/19/24 09:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	166	S1+	70 - 130	03/18/24 08:57	03/19/24 09:46	1

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

Client Sample ID: SS 53

Lab Sample ID: 890-6359-37

Date Collected: 03/13/24 13:13

Matrix: Solid

Date Received: 03/13/24 16:32

Sample Depth: 0 - 0.5'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	89		70 - 130	03/18/24 08:57	03/19/24 09:46	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			03/19/24 09:46	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	236		49.6	mg/Kg			03/19/24 03:36	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	<49.6	U	49.6	mg/Kg		03/18/24 08:51	03/19/24 03:36	1
Diesel Range Organics (Over C10-C28)	236		49.6	mg/Kg		03/18/24 08:51	03/19/24 03:36	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		03/18/24 08:51	03/19/24 03:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130			03/18/24 08:51	03/19/24 03:36	1
o-Terphenyl	70		70 - 130			03/18/24 08:51	03/19/24 03:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	146		4.98	mg/Kg			03/19/24 05:15	1

Client Sample ID: SS 52

Lab Sample ID: 890-6359-38

Date Collected: 03/13/24 13:44

Matrix: Solid

Date Received: 03/13/24 16:32

Sample Depth: 0 - 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		03/18/24 08:57	03/19/24 10:12	1
Toluene	<0.00198	U	0.00198	mg/Kg		03/18/24 08:57	03/19/24 10:12	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/18/24 08:57	03/19/24 10:12	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		03/18/24 08:57	03/19/24 10:12	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		03/18/24 08:57	03/19/24 10:12	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		03/18/24 08:57	03/19/24 10:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	163	S1+	70 - 130			03/18/24 08:57	03/19/24 10:12	1
1,4-Difluorobenzene (Surr)	81		70 - 130			03/18/24 08:57	03/19/24 10:12	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			03/19/24 10:12	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			03/19/24 03:57	1

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

Client Sample ID: SS 52
Date Collected: 03/13/24 13:44
Date Received: 03/13/24 16:32
Sample Depth: 0 - 0.5'

Lab Sample ID: 890-6359-38
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	<49.6	U	49.6	mg/Kg		03/18/24 08:51	03/19/24 03:57	1	
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		03/18/24 08:51	03/19/24 03:57	1	
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		03/18/24 08:51	03/19/24 03:57	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	101		70 - 130			03/18/24 08:51	03/19/24 03:57	1	
o-Terphenyl	84		70 - 130			03/18/24 08:51	03/19/24 03:57	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	81.8		4.99	mg/Kg			03/19/24 05:21	1	

Client Sample ID: SS 51
Date Collected: 03/13/24 13:57
Date Received: 03/13/24 16:32
Sample Depth: 0 - 0.5'

Lab Sample ID: 890-6359-39
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		03/18/24 08:57	03/19/24 10:38	1	
Toluene	<0.00201	U	0.00201	mg/Kg		03/18/24 08:57	03/19/24 10:38	1	
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/18/24 08:57	03/19/24 10:38	1	
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		03/18/24 08:57	03/19/24 10:38	1	
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/18/24 08:57	03/19/24 10:38	1	
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/18/24 08:57	03/19/24 10:38	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130			03/18/24 08:57	03/19/24 10:38	1	
1,4-Difluorobenzene (Surr)	70		70 - 130			03/18/24 08:57	03/19/24 10:38	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			03/19/24 10:38	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.5	U	49.5	mg/Kg			03/19/24 04:18	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	<49.5	U	49.5	mg/Kg		03/18/24 08:51	03/19/24 04:18	1	
Diesel Range Organics (Over C10-C28)	<49.5	U	49.5	mg/Kg		03/18/24 08:51	03/19/24 04:18	1	
Oil Range Organics (Over C28-C36)	<49.5	U	49.5	mg/Kg		03/18/24 08:51	03/19/24 04:18	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	103		70 - 130			03/18/24 08:51	03/19/24 04:18	1	
o-Terphenyl	86		70 - 130			03/18/24 08:51	03/19/24 04:18	1	

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

Client Sample ID: SS 51
Date Collected: 03/13/24 13:57
Date Received: 03/13/24 16:32
Sample Depth: 0 - 0.5'

Lab Sample ID: 890-6359-39
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	83.5		4.98	mg/Kg			03/19/24 05:26	1	

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Surrogate Summary

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
890-6359-1	SS 14	92	103
890-6359-1 MS	SS 14	101	102
890-6359-1 MSD	SS 14	111	96
890-6359-2	SS 14 A	103	104
890-6359-3	SS 14 B	98	109
890-6359-4	SS 14 C	110	110
890-6359-5	FS - 01	104	104
890-6359-6	FS - 02	112	107
890-6359-7	FS - 03	106	101
890-6359-8	SW - 01	108	101
890-6359-9	SS 69	114	107
890-6359-10	SS 70	115	106
890-6359-11	SS 71	126	119
890-6359-12	SS 72	103	103
890-6359-13	SS 73	92	101
890-6359-14	SS 74	96	100
890-6359-15	SS 75	103	104
890-6359-16	SS 76	121	105
890-6359-17	SS 77	112	102
890-6359-18	SS 78	116	107
890-6359-19	SS 79	115	107
890-6359-20	SS 80	117	103
890-6359-21	SS 81	139 S1+	78
890-6359-21 MS	SS 81	148 S1+	89
890-6359-21 MSD	SS 81	162 S1+	94
890-6359-22	SS 68	174 S1+	89
890-6359-23	SS 67	159 S1+	88
890-6359-24	SS 66	124	80
890-6359-25	SS 65	144 S1+	86
890-6359-26	SS 64	90	81
890-6359-27	SS 63	145 S1+	81
890-6359-28	SS 62	170 S1+	76
890-6359-29	SS 61	169 S1+	87
890-6359-30	SS 60	151 S1+	78
890-6359-31	SS 59	146 S1+	76
890-6359-32	SS 58	154 S1+	74
890-6359-33	SS 57	171 S1+	74
890-6359-34	SS 56	152 S1+	84
890-6359-35	SS 55	139 S1+	71
890-6359-36	SS 54	162 S1+	91
890-6359-37	SS 53	166 S1+	89
890-6359-38	SS 52	163 S1+	81
890-6359-39	SS 51	137 S1+	70
LCS 880-75804/1-A	Lab Control Sample	131 S1+	84
LCS 880-75805/1-A	Lab Control Sample	114	93
LCSD 880-75804/2-A	Lab Control Sample Dup	153 S1+	97
LCSD 880-75805/2-A	Lab Control Sample Dup	100	100
MB 880-75691/5-A	Method Blank	141 S1+	132 S1+
MB 880-75803/5-A	Method Blank	87	78

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Surrogate Summary

Client: Ensolum

Job ID: 890-6359-1

Project/Site: Raspberry State Com 001H

SDG: Lea County,NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)				
MB 880-75804/5-A	Method Blank	89	79				
MB 880-75805/5-A	Method Blank	159 S1+	132 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)				
890-6359-1	SS 14	103	87				
890-6359-2	SS 14 A	99	84				
890-6359-3	SS 14 B	100	83				
890-6359-4	SS 14 C	98	80				
890-6359-5	FS - 01	98	82				
890-6359-6	FS - 02	103	85				
890-6359-7	FS - 03	112	92				
890-6359-8	SW - 01	96	81				
890-6359-9	SS 69	100	79				
890-6359-10	SS 70	109	88				
890-6359-10 MS	SS 70	103	76				
890-6359-10 MSD	SS 70	111	80				
890-6359-11	SS 71	115	91				
890-6359-12	SS 72	113	92				
890-6359-13	SS 73	122	95				
890-6359-14	SS 74	111	94				
890-6359-15	SS 75	105	85				
890-6359-16	SS 76	107	87				
890-6359-17	SS 77	110	89				
890-6359-18	SS 78	103	83				
890-6359-19	SS 79	127	101				
890-6359-20	SS 80	98	86				
890-6359-21	SS 81	108	91				
890-6359-22	SS 68	111	90				
890-6359-22 MS	SS 68	104	81				
890-6359-22 MSD	SS 68	107	81				
890-6359-23	SS 67	110	89				
890-6359-24	SS 66	125	104				
890-6359-25	SS 65	122	97				
890-6359-26	SS 64	110	93				
890-6359-27	SS 63	105	91				
890-6359-28	SS 62	102	86				
890-6359-29	SS 61	102	86				
890-6359-30	SS 60	104	87				
890-6359-31	SS 59	94	75				
890-6359-32	SS 58	105	89				
890-6359-33	SS 57	118	101				
890-6359-34	SS 56	109	90				

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Surrogate Summary

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

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)
890-6359-35	SS 55	103	86
890-6359-36	SS 54	114	91
890-6359-37	SS 53	89	70
890-6359-38	SS 52	101	84
890-6359-39	SS 51	103	86
LCS 880-75801/2-A	Lab Control Sample	92	98
LCS 880-75802/2-A	Lab Control Sample	125	122
LCSD 880-75801/3-A	Lab Control Sample Dup	93	93
LCSD 880-75802/3-A	Lab Control Sample Dup	97	95
MB 880-75801/1-A	Method Blank	167 S1+	153 S1+
MB 880-75802/1-A	Method Blank	172 S1+	156 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-75691/5-A

Matrix: Solid

Analysis Batch: 75798

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 75691

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/15/24 10:17	03/18/24 11:34	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/15/24 10:17	03/18/24 11:34	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/15/24 10:17	03/18/24 11:34	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/15/24 10:17	03/18/24 11:34	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/15/24 10:17	03/18/24 11:34	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/15/24 10:17	03/18/24 11:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	141	S1+	70 - 130	03/15/24 10:17	03/18/24 11:34	1
1,4-Difluorobenzene (Surr)	132	S1+	70 - 130	03/15/24 10:17	03/18/24 11:34	1

Lab Sample ID: MB 880-75803/5-A

Matrix: Solid

Analysis Batch: 75796

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 75803

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/18/24 08:54	03/18/24 11:44	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/18/24 08:54	03/18/24 11:44	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/18/24 08:54	03/18/24 11:44	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/18/24 08:54	03/18/24 11:44	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/18/24 08:54	03/18/24 11:44	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/18/24 08:54	03/18/24 11:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	03/18/24 08:54	03/18/24 11:44	1
1,4-Difluorobenzene (Surr)	78		70 - 130	03/18/24 08:54	03/18/24 11:44	1

Lab Sample ID: MB 880-75804/5-A

Matrix: Solid

Analysis Batch: 75796

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 75804

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/18/24 08:57	03/19/24 01:08	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/18/24 08:57	03/19/24 01:08	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/18/24 08:57	03/19/24 01:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/18/24 08:57	03/19/24 01:08	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/18/24 08:57	03/19/24 01:08	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/18/24 08:57	03/19/24 01:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	03/18/24 08:57	03/19/24 01:08	1
1,4-Difluorobenzene (Surr)	79		70 - 130	03/18/24 08:57	03/19/24 01:08	1

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QC Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

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

Lab Sample ID: LCS 880-75804/1-A

Matrix: Solid

Analysis Batch: 75796

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 75804

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1058		mg/Kg		106	70 - 130
Toluene	0.100	0.1131		mg/Kg		113	70 - 130
Ethylbenzene	0.100	0.1116		mg/Kg		112	70 - 130
m-Xylene & p-Xylene	0.200	0.2196		mg/Kg		110	70 - 130
o-Xylene	0.100	0.1147		mg/Kg		115	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130
1,4-Difluorobenzene (Surr)	84		70 - 130

Lab Sample ID: LCSD 880-75804/2-A

Matrix: Solid

Analysis Batch: 75796

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 75804

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1114		mg/Kg		111	70 - 130	5	35
Toluene	0.100	0.1149		mg/Kg		115	70 - 130	2	35
Ethylbenzene	0.100	0.1162		mg/Kg		116	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.2300		mg/Kg		115	70 - 130	5	35
o-Xylene	0.100	0.1198		mg/Kg		120	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	153	S1+	70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 890-6359-21 MS

Matrix: Solid

Analysis Batch: 75796

Client Sample ID: SS 81

Prep Type: Total/NA

Prep Batch: 75804

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0996	0.1029		mg/Kg		103	70 - 130
Toluene	<0.00199	U	0.0996	0.1059		mg/Kg		106	70 - 130
Ethylbenzene	<0.00199	U	0.0996	0.1042		mg/Kg		105	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.199	0.2068		mg/Kg		104	70 - 130
o-Xylene	<0.00199	U	0.0996	0.1088		mg/Kg		109	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	148	S1+	70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: 890-6359-21 MSD

Matrix: Solid

Analysis Batch: 75796

Client Sample ID: SS 81

Prep Type: Total/NA

Prep Batch: 75804

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.1138		mg/Kg		114	70 - 130	10	35
Toluene	<0.00199	U	0.100	0.1179		mg/Kg		118	70 - 130	11	35
Ethylbenzene	<0.00199	U	0.100	0.1204		mg/Kg		120	70 - 130	14	35

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QC Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

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

Lab Sample ID: 890-6359-21 MSD
Matrix: Solid
Analysis Batch: 75796

Client Sample ID: SS 81
Prep Type: Total/NA
Prep Batch: 75804

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2371		mg/Kg		118	70 - 130	14	35
o-Xylene	<0.00199	U	0.100	0.1233		mg/Kg		123	70 - 130	13	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	162	S1+	70 - 130								
1,4-Difluorobenzene (Surr)	94		70 - 130								

Lab Sample ID: MB 880-75805/5-A
Matrix: Solid
Analysis Batch: 75798

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 75805

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/18/24 09:10	03/18/24 23:12	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/18/24 09:10	03/18/24 23:12	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/18/24 09:10	03/18/24 23:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/18/24 09:10	03/18/24 23:12	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/18/24 09:10	03/18/24 23:12	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/18/24 09:10	03/18/24 23:12	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	159	S1+	70 - 130			03/18/24 09:10	03/18/24 23:12	1
1,4-Difluorobenzene (Surr)	132	S1+	70 - 130			03/18/24 09:10	03/18/24 23:12	1

Lab Sample ID: LCS 880-75805/1-A
Matrix: Solid
Analysis Batch: 75798

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 75805

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec	Limits		
	Added	Result	Qualifier							
Benzene	0.100	0.1026		mg/Kg		103		70 - 130		
Toluene	0.100	0.1011		mg/Kg		101		70 - 130		
Ethylbenzene	0.100	0.1186		mg/Kg		119		70 - 130		
m-Xylene & p-Xylene	0.200	0.2176		mg/Kg		109		70 - 130		
o-Xylene	0.100	0.1047		mg/Kg		105		70 - 130		
Surrogate	LCS	LCS	Limits							
	%Recovery	Qualifier								
4-Bromofluorobenzene (Surr)	114		70 - 130							
1,4-Difluorobenzene (Surr)	93		70 - 130							

Lab Sample ID: LCSD 880-75805/2-A
Matrix: Solid
Analysis Batch: 75798

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 75805

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1059		mg/Kg		106	70 - 130	3	35
Toluene	0.100	0.09691		mg/Kg		97	70 - 130	4	35
Ethylbenzene	0.100	0.1036		mg/Kg		104	70 - 130	14	35
m-Xylene & p-Xylene	0.200	0.1833		mg/Kg		92	70 - 130	17	35
o-Xylene	0.100	0.1000		mg/Kg		100	70 - 130	5	35

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QC Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

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

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

Lab Sample ID: 890-6359-1 MS

Matrix: Solid

Analysis Batch: 75798

Client Sample ID: SS 14

Prep Type: Total/NA

Prep Batch: 75805

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0996	0.09783		mg/Kg		98	70 - 130
Toluene	<0.00199	U	0.0996	0.08626		mg/Kg		87	70 - 130
Ethylbenzene	<0.00199	U	0.0996	0.09538		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1732		mg/Kg		87	70 - 130
o-Xylene	<0.00199	U	0.0996	0.08068		mg/Kg		81	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 890-6359-1 MSD

Matrix: Solid

Analysis Batch: 75798

Client Sample ID: SS 14

Prep Type: Total/NA

Prep Batch: 75805

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00199	U	0.100	0.1106		mg/Kg		110	70 - 130	12	35
Toluene	<0.00199	U	0.100	0.09733		mg/Kg		97	70 - 130	12	35
Ethylbenzene	<0.00199	U	0.100	0.1178		mg/Kg		118	70 - 130	21	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2228		mg/Kg		111	70 - 130	25	35
o-Xylene	<0.00199	U	0.100	0.1051		mg/Kg		105	70 - 130	26	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

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

Lab Sample ID: MB 880-75801/1-A

Matrix: Solid

Analysis Batch: 75775

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 75801

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		03/18/24 07:42	03/18/24 08:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/18/24 07:42	03/18/24 08:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/18/24 07:42	03/18/24 08:02	1

	MB	MB						
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac		
1-Chlorooctane	167	S1+	70 - 130	03/18/24 07:42	03/18/24 08:02	1		
o-Terphenyl	153	S1+	70 - 130	03/18/24 07:42	03/18/24 08:02	1		

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QC Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

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

Lab Sample ID: LCS 880-75801/2-A

Matrix: Solid

Analysis Batch: 75775

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 75801

Analyte			Spike	LCS	LCS	Unit	D	%Rec	%Rec		
			Added	Result	Qualifier			Limits			
Gasoline Range Organics (GRO)-C6-C10			1000	1087		mg/Kg		109	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1049		mg/Kg		105	70 - 130		
Surrogate	LCS		Limits								
	%Recovery	Qualifier									
1-Chlorooctane	92		70 - 130								
o-Terphenyl	98		70 - 130								

Lab Sample ID: LCSD 880-75801/3-A

Matrix: Solid

Analysis Batch: 75775

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 75801

Analyte			Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	RPD
			Added	Result	Qualifier				Limits		Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1073		mg/Kg		107	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	981.3		mg/Kg		98	70 - 130	7	20
				LCSD	LCSD						
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	93		70 - 130								
o-Terphenyl	93		70 - 130								

Lab Sample ID: 890-6359-10 MS

Matrix: Solid

Analysis Batch: 75775

Client Sample ID: SS 70

Prep Type: Total/NA

Prep Batch: 75801

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	999	795.6		mg/Kg		80	70 - 130		
Diesel Range Organics (Over C10-C28)	50.3		999	917.3		mg/Kg		87	70 - 130		

Lab Sample ID: 890-6359-10 MSD

Matrix: Solid

Analysis Batch: 75775

Client Sample ID: SS 70

Prep Type: Total/NA

Prep Batch: 75801

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	999	861.6		mg/Kg		86	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	50.3		999	991.4		mg/Kg		94	70 - 130	8	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	111		70 - 130								

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QC Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

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

Lab Sample ID: 890-6359-10 MSD

Matrix: Solid

Analysis Batch: 75775

Client Sample ID: SS 70

Prep Type: Total/NA

Prep Batch: 75801

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	80		70 - 130

Lab Sample ID: MB 880-75802/1-A

Matrix: Solid

Analysis Batch: 75775

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 75802

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/18/24 08:51	03/18/24 19:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/18/24 08:51	03/18/24 19:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/18/24 08:51	03/18/24 19:52	1
Surrogate	MB	MB	Limits			Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier						
1-Chlorooctane	172	S1+	70 - 130			03/18/24 08:51	03/18/24 19:52	1
<i>o</i> -Terphenyl	156	S1+	70 - 130			03/18/24 08:51	03/18/24 19:52	1

Lab Sample ID: LCS 880-75802/2-A

Matrix: Solid

Analysis Batch: 75775

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 75802

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	955.1		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	1000	999.4		mg/Kg		100	70 - 130
Surrogate	LCS	LCS	Limits				
	%Recovery	Qualifier					
1-Chlorooctane	125		70 - 130				
<i>o</i> -Terphenyl	122		70 - 130				

Lab Sample ID: LCSD 880-75802/3-A

Matrix: Solid

Analysis Batch: 75775

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 75802

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	927.5		mg/Kg		93	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	956.4		mg/Kg		96	70 - 130	4	20
Surrogate	LCSD	LCSD	Limits						
	%Recovery	Qualifier							
1-Chlorooctane	97		70 - 130						
<i>o</i> -Terphenyl	95		70 - 130						

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QC Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

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

Lab Sample ID: 890-6359-22 MS

Matrix: Solid

Analysis Batch: 75775

Client Sample ID: SS 68

Prep Type: Total/NA

Prep Batch: 75802

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	812.3		mg/Kg		80	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	999	926.2		mg/Kg		93	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	104		70 - 130								
o-Terphenyl	81		70 - 130								

Lab Sample ID: 890-6359-22 MSD

Matrix: Solid

Analysis Batch: 75775

Client Sample ID: SS 68

Prep Type: Total/NA

Prep Batch: 75802

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	851.0		mg/Kg		84	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	937.8		mg/Kg		94	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	107		70 - 130								
o-Terphenyl	81		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-75667/1-A

Matrix: Solid

Analysis Batch: 75814

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Chloride	<5.00	U	5.00	mg/Kg			03/18/24 17:48	1

Lab Sample ID: LCS 880-75667/2-A

Matrix: Solid

Analysis Batch: 75814

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec
							Limits
Chloride	250	252.1		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-75667/3-A

Matrix: Solid

Analysis Batch: 75814

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

			Spike	LCSD	LCSD				%Rec	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limits
Chloride			250	253.6		mg/Kg	-	101	90 - 110	1	20

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QC Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-6359-1 MS Matrix: Solid Analysis Batch: 75814											Client Sample ID: SS 14 Prep Type: Soluble		
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits				
Chloride	109		251	379.3		mg/Kg		108	90 - 110				
Lab Sample ID: 890-6359-1 MSD Matrix: Solid Analysis Batch: 75814											Client Sample ID: SS 14 Prep Type: Soluble		
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Chloride	109		251	379.5		mg/Kg		108	90 - 110	0	20		
Lab Sample ID: 890-6359-11 MS Matrix: Solid Analysis Batch: 75814											Client Sample ID: SS 71 Prep Type: Soluble		
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits				
Chloride	63.8	F1	248	354.8	F1	mg/Kg		117	90 - 110				
Lab Sample ID: 890-6359-11 MSD Matrix: Solid Analysis Batch: 75814											Client Sample ID: SS 71 Prep Type: Soluble		
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Chloride	63.8	F1	248	354.7	F1	mg/Kg		117	90 - 110	0	20		
Lab Sample ID: MB 880-75670/1-A Matrix: Solid Analysis Batch: 75815											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			03/19/24 02:51		1			
Lab Sample ID: LCS 880-75670/2-A Matrix: Solid Analysis Batch: 75815											Client Sample ID: Lab Control Sample Prep Type: Soluble		
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits				
Chloride			250	257.0		mg/Kg		103	90 - 110				
Lab Sample ID: LCSD 880-75670/3-A Matrix: Solid Analysis Batch: 75815											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	256.8		mg/Kg		103	90 - 110	0	20		
Lab Sample ID: 890-6359-21 MS Matrix: Solid Analysis Batch: 75815											Client Sample ID: SS 81 Prep Type: Soluble		
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits				
Chloride	85.6		252	337.4		mg/Kg		100	90 - 110				

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QC Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-6359-21 MSD										Client Sample ID: SS 81		
Matrix: Solid										Prep Type: Soluble		
Analysis Batch: 75815												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	85.6		252	337.3		mg/Kg		100	90 - 110	0	20	

Lab Sample ID: 890-6359-31 MS										Client Sample ID: SS 59		
Matrix: Solid										Prep Type: Soluble		
Analysis Batch: 75815												
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits			
Chloride	125		249	394.1		mg/Kg		108	90 - 110			

Lab Sample ID: 890-6359-31 MSD										Client Sample ID: SS 59		
Matrix: Solid										Prep Type: Soluble		
Analysis Batch: 75815												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	125		249	394.3		mg/Kg		108	90 - 110	0	20	

QC Association Summary

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

GC VOA

Prep Batch: 75691

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-75691/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 75796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6359-21	SS 81	Total/NA	Solid	8021B	75804
890-6359-22	SS 68	Total/NA	Solid	8021B	75804
890-6359-23	SS 67	Total/NA	Solid	8021B	75804
890-6359-24	SS 66	Total/NA	Solid	8021B	75804
890-6359-25	SS 65	Total/NA	Solid	8021B	75804
890-6359-26	SS 64	Total/NA	Solid	8021B	75804
890-6359-27	SS 63	Total/NA	Solid	8021B	75804
890-6359-28	SS 62	Total/NA	Solid	8021B	75804
890-6359-29	SS 61	Total/NA	Solid	8021B	75804
890-6359-30	SS 60	Total/NA	Solid	8021B	75804
890-6359-31	SS 59	Total/NA	Solid	8021B	75804
890-6359-32	SS 58	Total/NA	Solid	8021B	75804
890-6359-33	SS 57	Total/NA	Solid	8021B	75804
890-6359-34	SS 56	Total/NA	Solid	8021B	75804
890-6359-35	SS 55	Total/NA	Solid	8021B	75804
890-6359-36	SS 54	Total/NA	Solid	8021B	75804
890-6359-37	SS 53	Total/NA	Solid	8021B	75804
890-6359-38	SS 52	Total/NA	Solid	8021B	75804
890-6359-39	SS 51	Total/NA	Solid	8021B	75804
MB 880-75803/5-A	Method Blank	Total/NA	Solid	8021B	75803
MB 880-75804/5-A	Method Blank	Total/NA	Solid	8021B	75804
LCS 880-75804/1-A	Lab Control Sample	Total/NA	Solid	8021B	75804
LCSD 880-75804/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	75804
890-6359-21 MS	SS 81	Total/NA	Solid	8021B	75804
890-6359-21 MSD	SS 81	Total/NA	Solid	8021B	75804

Analysis Batch: 75798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6359-1	SS 14	Total/NA	Solid	8021B	75805
890-6359-2	SS 14 A	Total/NA	Solid	8021B	75805
890-6359-3	SS 14 B	Total/NA	Solid	8021B	75805
890-6359-4	SS 14 C	Total/NA	Solid	8021B	75805
890-6359-5	FS - 01	Total/NA	Solid	8021B	75805
890-6359-6	FS - 02	Total/NA	Solid	8021B	75805
890-6359-7	FS - 03	Total/NA	Solid	8021B	75805
890-6359-8	SW - 01	Total/NA	Solid	8021B	75805
890-6359-9	SS 69	Total/NA	Solid	8021B	75805
890-6359-10	SS 70	Total/NA	Solid	8021B	75805
890-6359-11	SS 71	Total/NA	Solid	8021B	75805
890-6359-12	SS 72	Total/NA	Solid	8021B	75805
890-6359-13	SS 73	Total/NA	Solid	8021B	75805
890-6359-14	SS 74	Total/NA	Solid	8021B	75805
890-6359-15	SS 75	Total/NA	Solid	8021B	75805
890-6359-16	SS 76	Total/NA	Solid	8021B	75805
890-6359-17	SS 77	Total/NA	Solid	8021B	75805
890-6359-18	SS 78	Total/NA	Solid	8021B	75805
890-6359-19	SS 79	Total/NA	Solid	8021B	75805

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QC Association Summary

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

GC VOA (Continued)

Analysis Batch: 75798 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6359-20	SS 80	Total/NA	Solid	8021B	75805
MB 880-75691/5-A	Method Blank	Total/NA	Solid	8021B	75691
MB 880-75805/5-A	Method Blank	Total/NA	Solid	8021B	75805
LCS 880-75805/1-A	Lab Control Sample	Total/NA	Solid	8021B	75805
LCSD 880-75805/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	75805
890-6359-1 MS	SS 14	Total/NA	Solid	8021B	75805
890-6359-1 MSD	SS 14	Total/NA	Solid	8021B	75805

Prep Batch: 75803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-75803/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 75804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6359-21	SS 81	Total/NA	Solid	5035	
890-6359-22	SS 68	Total/NA	Solid	5035	
890-6359-23	SS 67	Total/NA	Solid	5035	
890-6359-24	SS 66	Total/NA	Solid	5035	
890-6359-25	SS 65	Total/NA	Solid	5035	
890-6359-26	SS 64	Total/NA	Solid	5035	
890-6359-27	SS 63	Total/NA	Solid	5035	
890-6359-28	SS 62	Total/NA	Solid	5035	
890-6359-29	SS 61	Total/NA	Solid	5035	
890-6359-30	SS 60	Total/NA	Solid	5035	
890-6359-31	SS 59	Total/NA	Solid	5035	
890-6359-32	SS 58	Total/NA	Solid	5035	
890-6359-33	SS 57	Total/NA	Solid	5035	
890-6359-34	SS 56	Total/NA	Solid	5035	
890-6359-35	SS 55	Total/NA	Solid	5035	
890-6359-36	SS 54	Total/NA	Solid	5035	
890-6359-37	SS 53	Total/NA	Solid	5035	
890-6359-38	SS 52	Total/NA	Solid	5035	
890-6359-39	SS 51	Total/NA	Solid	5035	
MB 880-75804/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-75804/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-75804/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-6359-21 MS	SS 81	Total/NA	Solid	5035	
890-6359-21 MSD	SS 81	Total/NA	Solid	5035	

Prep Batch: 75805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6359-1	SS 14	Total/NA	Solid	5035	
890-6359-2	SS 14 A	Total/NA	Solid	5035	
890-6359-3	SS 14 B	Total/NA	Solid	5035	
890-6359-4	SS 14 C	Total/NA	Solid	5035	
890-6359-5	FS - 01	Total/NA	Solid	5035	
890-6359-6	FS - 02	Total/NA	Solid	5035	
890-6359-7	FS - 03	Total/NA	Solid	5035	
890-6359-8	SW - 01	Total/NA	Solid	5035	
890-6359-9	SS 69	Total/NA	Solid	5035	
890-6359-10	SS 70	Total/NA	Solid	5035	

Eurofins Carlsbad

QC Association Summary

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

GC VOA (Continued)

Prep Batch: 75805 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6359-11	SS 71	Total/NA	Solid	5035	
890-6359-12	SS 72	Total/NA	Solid	5035	
890-6359-13	SS 73	Total/NA	Solid	5035	
890-6359-14	SS 74	Total/NA	Solid	5035	
890-6359-15	SS 75	Total/NA	Solid	5035	
890-6359-16	SS 76	Total/NA	Solid	5035	
890-6359-17	SS 77	Total/NA	Solid	5035	
890-6359-18	SS 78	Total/NA	Solid	5035	
890-6359-19	SS 79	Total/NA	Solid	5035	
890-6359-20	SS 80	Total/NA	Solid	5035	
MB 880-75805/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-75805/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-75805/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-6359-1 MS	SS 14	Total/NA	Solid	5035	
890-6359-1 MSD	SS 14	Total/NA	Solid	5035	

Analysis Batch: 75972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6359-1	SS 14	Total/NA	Solid	Total BTEX	
890-6359-2	SS 14 A	Total/NA	Solid	Total BTEX	
890-6359-3	SS 14 B	Total/NA	Solid	Total BTEX	
890-6359-4	SS 14 C	Total/NA	Solid	Total BTEX	
890-6359-5	FS - 01	Total/NA	Solid	Total BTEX	
890-6359-6	FS - 02	Total/NA	Solid	Total BTEX	
890-6359-7	FS - 03	Total/NA	Solid	Total BTEX	
890-6359-8	SW - 01	Total/NA	Solid	Total BTEX	
890-6359-9	SS 69	Total/NA	Solid	Total BTEX	
890-6359-10	SS 70	Total/NA	Solid	Total BTEX	
890-6359-11	SS 71	Total/NA	Solid	Total BTEX	
890-6359-12	SS 72	Total/NA	Solid	Total BTEX	
890-6359-13	SS 73	Total/NA	Solid	Total BTEX	
890-6359-14	SS 74	Total/NA	Solid	Total BTEX	
890-6359-15	SS 75	Total/NA	Solid	Total BTEX	
890-6359-16	SS 76	Total/NA	Solid	Total BTEX	
890-6359-17	SS 77	Total/NA	Solid	Total BTEX	
890-6359-18	SS 78	Total/NA	Solid	Total BTEX	
890-6359-19	SS 79	Total/NA	Solid	Total BTEX	
890-6359-20	SS 80	Total/NA	Solid	Total BTEX	
890-6359-21	SS 81	Total/NA	Solid	Total BTEX	
890-6359-22	SS 68	Total/NA	Solid	Total BTEX	
890-6359-23	SS 67	Total/NA	Solid	Total BTEX	
890-6359-24	SS 66	Total/NA	Solid	Total BTEX	
890-6359-25	SS 65	Total/NA	Solid	Total BTEX	
890-6359-26	SS 64	Total/NA	Solid	Total BTEX	
890-6359-27	SS 63	Total/NA	Solid	Total BTEX	
890-6359-28	SS 62	Total/NA	Solid	Total BTEX	
890-6359-29	SS 61	Total/NA	Solid	Total BTEX	
890-6359-30	SS 60	Total/NA	Solid	Total BTEX	
890-6359-31	SS 59	Total/NA	Solid	Total BTEX	
890-6359-32	SS 58	Total/NA	Solid	Total BTEX	
890-6359-33	SS 57	Total/NA	Solid	Total BTEX	

Eurofins Carlsbad

QC Association Summary

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

GC VOA (Continued)

Analysis Batch: 75972 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6359-34	SS 56	Total/NA	Solid	Total BTEX	
890-6359-35	SS 55	Total/NA	Solid	Total BTEX	
890-6359-36	SS 54	Total/NA	Solid	Total BTEX	
890-6359-37	SS 53	Total/NA	Solid	Total BTEX	
890-6359-38	SS 52	Total/NA	Solid	Total BTEX	
890-6359-39	SS 51	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 75775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6359-1	SS 14	Total/NA	Solid	8015B NM	75801
890-6359-2	SS 14 A	Total/NA	Solid	8015B NM	75801
890-6359-3	SS 14 B	Total/NA	Solid	8015B NM	75801
890-6359-4	SS 14 C	Total/NA	Solid	8015B NM	75801
890-6359-5	FS - 01	Total/NA	Solid	8015B NM	75801
890-6359-6	FS - 02	Total/NA	Solid	8015B NM	75801
890-6359-7	FS - 03	Total/NA	Solid	8015B NM	75801
890-6359-8	SW - 01	Total/NA	Solid	8015B NM	75801
890-6359-9	SS 69	Total/NA	Solid	8015B NM	75801
890-6359-10	SS 70	Total/NA	Solid	8015B NM	75801
890-6359-11	SS 71	Total/NA	Solid	8015B NM	75801
890-6359-12	SS 72	Total/NA	Solid	8015B NM	75801
890-6359-13	SS 73	Total/NA	Solid	8015B NM	75801
890-6359-14	SS 74	Total/NA	Solid	8015B NM	75801
890-6359-15	SS 75	Total/NA	Solid	8015B NM	75801
890-6359-16	SS 76	Total/NA	Solid	8015B NM	75801
890-6359-17	SS 77	Total/NA	Solid	8015B NM	75801
890-6359-18	SS 78	Total/NA	Solid	8015B NM	75801
890-6359-19	SS 79	Total/NA	Solid	8015B NM	75801
890-6359-20	SS 80	Total/NA	Solid	8015B NM	75801
890-6359-21	SS 81	Total/NA	Solid	8015B NM	75802
890-6359-22	SS 68	Total/NA	Solid	8015B NM	75802
890-6359-23	SS 67	Total/NA	Solid	8015B NM	75802
890-6359-24	SS 66	Total/NA	Solid	8015B NM	75802
890-6359-25	SS 65	Total/NA	Solid	8015B NM	75802
890-6359-26	SS 64	Total/NA	Solid	8015B NM	75802
890-6359-27	SS 63	Total/NA	Solid	8015B NM	75802
890-6359-28	SS 62	Total/NA	Solid	8015B NM	75802
890-6359-29	SS 61	Total/NA	Solid	8015B NM	75802
890-6359-30	SS 60	Total/NA	Solid	8015B NM	75802
890-6359-31	SS 59	Total/NA	Solid	8015B NM	75802
890-6359-32	SS 58	Total/NA	Solid	8015B NM	75802
890-6359-33	SS 57	Total/NA	Solid	8015B NM	75802
890-6359-34	SS 56	Total/NA	Solid	8015B NM	75802
890-6359-35	SS 55	Total/NA	Solid	8015B NM	75802
890-6359-36	SS 54	Total/NA	Solid	8015B NM	75802
890-6359-37	SS 53	Total/NA	Solid	8015B NM	75802
890-6359-38	SS 52	Total/NA	Solid	8015B NM	75802
890-6359-39	SS 51	Total/NA	Solid	8015B NM	75802
MB 880-75801/1-A	Method Blank	Total/NA	Solid	8015B NM	75801

Eurofins Carlsbad

QC Association Summary

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

GC Semi VOA (Continued)

Analysis Batch: 75775 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-75802/1-A	Method Blank	Total/NA	Solid	8015B NM	75802
LCS 880-75801/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	75801
LCS 880-75802/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	75802
LCSD 880-75801/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	75801
LCSD 880-75802/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	75802
890-6359-10 MS	SS 70	Total/NA	Solid	8015B NM	75801
890-6359-10 MSD	SS 70	Total/NA	Solid	8015B NM	75801
890-6359-22 MS	SS 68	Total/NA	Solid	8015B NM	75802
890-6359-22 MSD	SS 68	Total/NA	Solid	8015B NM	75802

Prep Batch: 75801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6359-1	SS 14	Total/NA	Solid	8015NM Prep	
890-6359-2	SS 14 A	Total/NA	Solid	8015NM Prep	
890-6359-3	SS 14 B	Total/NA	Solid	8015NM Prep	
890-6359-4	SS 14 C	Total/NA	Solid	8015NM Prep	
890-6359-5	FS - 01	Total/NA	Solid	8015NM Prep	
890-6359-6	FS - 02	Total/NA	Solid	8015NM Prep	
890-6359-7	FS - 03	Total/NA	Solid	8015NM Prep	
890-6359-8	SW - 01	Total/NA	Solid	8015NM Prep	
890-6359-9	SS 69	Total/NA	Solid	8015NM Prep	
890-6359-10	SS 70	Total/NA	Solid	8015NM Prep	
890-6359-11	SS 71	Total/NA	Solid	8015NM Prep	
890-6359-12	SS 72	Total/NA	Solid	8015NM Prep	
890-6359-13	SS 73	Total/NA	Solid	8015NM Prep	
890-6359-14	SS 74	Total/NA	Solid	8015NM Prep	
890-6359-15	SS 75	Total/NA	Solid	8015NM Prep	
890-6359-16	SS 76	Total/NA	Solid	8015NM Prep	
890-6359-17	SS 77	Total/NA	Solid	8015NM Prep	
890-6359-18	SS 78	Total/NA	Solid	8015NM Prep	
890-6359-19	SS 79	Total/NA	Solid	8015NM Prep	
890-6359-20	SS 80	Total/NA	Solid	8015NM Prep	
MB 880-75801/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-75801/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-75801/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6359-10 MS	SS 70	Total/NA	Solid	8015NM Prep	
890-6359-10 MSD	SS 70	Total/NA	Solid	8015NM Prep	

Prep Batch: 75802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6359-21	SS 81	Total/NA	Solid	8015NM Prep	
890-6359-22	SS 68	Total/NA	Solid	8015NM Prep	
890-6359-23	SS 67	Total/NA	Solid	8015NM Prep	
890-6359-24	SS 66	Total/NA	Solid	8015NM Prep	
890-6359-25	SS 65	Total/NA	Solid	8015NM Prep	
890-6359-26	SS 64	Total/NA	Solid	8015NM Prep	
890-6359-27	SS 63	Total/NA	Solid	8015NM Prep	
890-6359-28	SS 62	Total/NA	Solid	8015NM Prep	
890-6359-29	SS 61	Total/NA	Solid	8015NM Prep	
890-6359-30	SS 60	Total/NA	Solid	8015NM Prep	
890-6359-31	SS 59	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

GC Semi VOA (Continued)

Prep Batch: 75802 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6359-32	SS 58	Total/NA	Solid	8015NM Prep	
890-6359-33	SS 57	Total/NA	Solid	8015NM Prep	
890-6359-34	SS 56	Total/NA	Solid	8015NM Prep	
890-6359-35	SS 55	Total/NA	Solid	8015NM Prep	
890-6359-36	SS 54	Total/NA	Solid	8015NM Prep	
890-6359-37	SS 53	Total/NA	Solid	8015NM Prep	
890-6359-38	SS 52	Total/NA	Solid	8015NM Prep	
890-6359-39	SS 51	Total/NA	Solid	8015NM Prep	
MB 880-75802/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-75802/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-75802/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6359-22 MS	SS 68	Total/NA	Solid	8015NM Prep	
890-6359-22 MSD	SS 68	Total/NA	Solid	8015NM Prep	

Analysis Batch: 76017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6359-1	SS 14	Total/NA	Solid	8015 NM	
890-6359-2	SS 14 A	Total/NA	Solid	8015 NM	
890-6359-3	SS 14 B	Total/NA	Solid	8015 NM	
890-6359-4	SS 14 C	Total/NA	Solid	8015 NM	
890-6359-5	FS - 01	Total/NA	Solid	8015 NM	
890-6359-6	FS - 02	Total/NA	Solid	8015 NM	
890-6359-7	FS - 03	Total/NA	Solid	8015 NM	
890-6359-8	SW - 01	Total/NA	Solid	8015 NM	
890-6359-9	SS 69	Total/NA	Solid	8015 NM	
890-6359-10	SS 70	Total/NA	Solid	8015 NM	
890-6359-11	SS 71	Total/NA	Solid	8015 NM	
890-6359-12	SS 72	Total/NA	Solid	8015 NM	
890-6359-13	SS 73	Total/NA	Solid	8015 NM	
890-6359-14	SS 74	Total/NA	Solid	8015 NM	
890-6359-15	SS 75	Total/NA	Solid	8015 NM	
890-6359-16	SS 76	Total/NA	Solid	8015 NM	
890-6359-17	SS 77	Total/NA	Solid	8015 NM	
890-6359-18	SS 78	Total/NA	Solid	8015 NM	
890-6359-19	SS 79	Total/NA	Solid	8015 NM	
890-6359-20	SS 80	Total/NA	Solid	8015 NM	
890-6359-21	SS 81	Total/NA	Solid	8015 NM	
890-6359-22	SS 68	Total/NA	Solid	8015 NM	
890-6359-23	SS 67	Total/NA	Solid	8015 NM	
890-6359-24	SS 66	Total/NA	Solid	8015 NM	
890-6359-25	SS 65	Total/NA	Solid	8015 NM	
890-6359-26	SS 64	Total/NA	Solid	8015 NM	
890-6359-27	SS 63	Total/NA	Solid	8015 NM	
890-6359-28	SS 62	Total/NA	Solid	8015 NM	
890-6359-29	SS 61	Total/NA	Solid	8015 NM	
890-6359-30	SS 60	Total/NA	Solid	8015 NM	
890-6359-31	SS 59	Total/NA	Solid	8015 NM	
890-6359-32	SS 58	Total/NA	Solid	8015 NM	
890-6359-33	SS 57	Total/NA	Solid	8015 NM	
890-6359-34	SS 56	Total/NA	Solid	8015 NM	
890-6359-35	SS 55	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

GC Semi VOA (Continued)

Analysis Batch: 76017 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6359-36	SS 54	Total/NA	Solid	8015 NM	
890-6359-37	SS 53	Total/NA	Solid	8015 NM	
890-6359-38	SS 52	Total/NA	Solid	8015 NM	
890-6359-39	SS 51	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 75667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6359-1	SS 14	Soluble	Solid	DI Leach	
890-6359-2	SS 14 A	Soluble	Solid	DI Leach	
890-6359-3	SS 14 B	Soluble	Solid	DI Leach	
890-6359-4	SS 14 C	Soluble	Solid	DI Leach	
890-6359-5	FS - 01	Soluble	Solid	DI Leach	
890-6359-6	FS - 02	Soluble	Solid	DI Leach	
890-6359-7	FS - 03	Soluble	Solid	DI Leach	
890-6359-8	SW - 01	Soluble	Solid	DI Leach	
890-6359-9	SS 69	Soluble	Solid	DI Leach	
890-6359-10	SS 70	Soluble	Solid	DI Leach	
890-6359-11	SS 71	Soluble	Solid	DI Leach	
890-6359-12	SS 72	Soluble	Solid	DI Leach	
890-6359-13	SS 73	Soluble	Solid	DI Leach	
890-6359-14	SS 74	Soluble	Solid	DI Leach	
890-6359-15	SS 75	Soluble	Solid	DI Leach	
890-6359-16	SS 76	Soluble	Solid	DI Leach	
890-6359-17	SS 77	Soluble	Solid	DI Leach	
890-6359-18	SS 78	Soluble	Solid	DI Leach	
890-6359-19	SS 79	Soluble	Solid	DI Leach	
890-6359-20	SS 80	Soluble	Solid	DI Leach	
MB 880-75667/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-75667/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-75667/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-6359-1 MS	SS 14	Soluble	Solid	DI Leach	
890-6359-1 MSD	SS 14	Soluble	Solid	DI Leach	
890-6359-11 MS	SS 71	Soluble	Solid	DI Leach	
890-6359-11 MSD	SS 71	Soluble	Solid	DI Leach	

Leach Batch: 75670

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6359-21	SS 81	Soluble	Solid	DI Leach	
890-6359-22	SS 68	Soluble	Solid	DI Leach	
890-6359-23	SS 67	Soluble	Solid	DI Leach	
890-6359-24	SS 66	Soluble	Solid	DI Leach	
890-6359-25	SS 65	Soluble	Solid	DI Leach	
890-6359-26	SS 64	Soluble	Solid	DI Leach	
890-6359-27	SS 63	Soluble	Solid	DI Leach	
890-6359-28	SS 62	Soluble	Solid	DI Leach	
890-6359-29	SS 61	Soluble	Solid	DI Leach	
890-6359-30	SS 60	Soluble	Solid	DI Leach	
890-6359-31	SS 59	Soluble	Solid	DI Leach	
890-6359-32	SS 58	Soluble	Solid	DI Leach	

Eurofins Carlsbad

QC Association Summary

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

HPLC/IC (Continued)

Leach Batch: 75670 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6359-33	SS 57	Soluble	Solid	DI Leach	
890-6359-34	SS 56	Soluble	Solid	DI Leach	
890-6359-35	SS 55	Soluble	Solid	DI Leach	
890-6359-36	SS 54	Soluble	Solid	DI Leach	
890-6359-37	SS 53	Soluble	Solid	DI Leach	
890-6359-38	SS 52	Soluble	Solid	DI Leach	
890-6359-39	SS 51	Soluble	Solid	DI Leach	
MB 880-75670/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-75670/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-75670/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-6359-21 MS	SS 81	Soluble	Solid	DI Leach	
890-6359-21 MSD	SS 81	Soluble	Solid	DI Leach	
890-6359-31 MS	SS 59	Soluble	Solid	DI Leach	
890-6359-31 MSD	SS 59	Soluble	Solid	DI Leach	

Analysis Batch: 75814

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6359-1	SS 14	Soluble	Solid	300.0	75667
890-6359-2	SS 14 A	Soluble	Solid	300.0	75667
890-6359-3	SS 14 B	Soluble	Solid	300.0	75667
890-6359-4	SS 14 C	Soluble	Solid	300.0	75667
890-6359-5	FS - 01	Soluble	Solid	300.0	75667
890-6359-6	FS - 02	Soluble	Solid	300.0	75667
890-6359-7	FS - 03	Soluble	Solid	300.0	75667
890-6359-8	SW - 01	Soluble	Solid	300.0	75667
890-6359-9	SS 69	Soluble	Solid	300.0	75667
890-6359-10	SS 70	Soluble	Solid	300.0	75667
890-6359-11	SS 71	Soluble	Solid	300.0	75667
890-6359-12	SS 72	Soluble	Solid	300.0	75667
890-6359-13	SS 73	Soluble	Solid	300.0	75667
890-6359-14	SS 74	Soluble	Solid	300.0	75667
890-6359-15	SS 75	Soluble	Solid	300.0	75667
890-6359-16	SS 76	Soluble	Solid	300.0	75667
890-6359-17	SS 77	Soluble	Solid	300.0	75667
890-6359-18	SS 78	Soluble	Solid	300.0	75667
890-6359-19	SS 79	Soluble	Solid	300.0	75667
890-6359-20	SS 80	Soluble	Solid	300.0	75667
MB 880-75667/1-A	Method Blank	Soluble	Solid	300.0	75667
LCS 880-75667/2-A	Lab Control Sample	Soluble	Solid	300.0	75667
LCSD 880-75667/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	75667
890-6359-1 MS	SS 14	Soluble	Solid	300.0	75667
890-6359-1 MSD	SS 14	Soluble	Solid	300.0	75667
890-6359-11 MS	SS 71	Soluble	Solid	300.0	75667
890-6359-11 MSD	SS 71	Soluble	Solid	300.0	75667

Analysis Batch: 75815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6359-21	SS 81	Soluble	Solid	300.0	75670
890-6359-22	SS 68	Soluble	Solid	300.0	75670
890-6359-23	SS 67	Soluble	Solid	300.0	75670
890-6359-24	SS 66	Soluble	Solid	300.0	75670

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QC Association Summary

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

HPLC/IC (Continued)

Analysis Batch: 75815 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6359-25	SS 65	Soluble	Solid	300.0	75670
890-6359-26	SS 64	Soluble	Solid	300.0	75670
890-6359-27	SS 63	Soluble	Solid	300.0	75670
890-6359-28	SS 62	Soluble	Solid	300.0	75670
890-6359-29	SS 61	Soluble	Solid	300.0	75670
890-6359-30	SS 60	Soluble	Solid	300.0	75670
890-6359-31	SS 59	Soluble	Solid	300.0	75670
890-6359-32	SS 58	Soluble	Solid	300.0	75670
890-6359-33	SS 57	Soluble	Solid	300.0	75670
890-6359-34	SS 56	Soluble	Solid	300.0	75670
890-6359-35	SS 55	Soluble	Solid	300.0	75670
890-6359-36	SS 54	Soluble	Solid	300.0	75670
890-6359-37	SS 53	Soluble	Solid	300.0	75670
890-6359-38	SS 52	Soluble	Solid	300.0	75670
890-6359-39	SS 51	Soluble	Solid	300.0	75670
MB 880-75670/1-A	Method Blank	Soluble	Solid	300.0	75670
LCS 880-75670/2-A	Lab Control Sample	Soluble	Solid	300.0	75670
LCSD 880-75670/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	75670
890-6359-21 MS	SS 81	Soluble	Solid	300.0	75670
890-6359-21 MSD	SS 81	Soluble	Solid	300.0	75670
890-6359-31 MS	SS 59	Soluble	Solid	300.0	75670
890-6359-31 MSD	SS 59	Soluble	Solid	300.0	75670

Lab Chronicle

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

Client Sample ID: SS 14
Date Collected: 03/13/24 09:22
Date Received: 03/13/24 16:32

Lab Sample ID: 890-6359-1
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			5.02 g	5 mL	75805	03/18/24 09:10	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75798	03/18/24 23:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75972	03/18/24 23:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			76017	03/18/24 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	75801	03/18/24 08:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75775	03/18/24 12:26	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	75667	03/15/24 08:07	SA	EET MID
Soluble	Analysis	300.0		1			75814	03/18/24 18:04	CH	EET MID

Client Sample ID: SS 14 A
Date Collected: 03/13/24 09:24
Date Received: 03/13/24 16:32

Lab Sample ID: 890-6359-2
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			5.03 g	5 mL	75805	03/18/24 09:10	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75798	03/19/24 00:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75972	03/19/24 00:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			76017	03/18/24 12:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	75801	03/18/24 08:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75775	03/18/24 12:47	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	75667	03/15/24 08:07	SA	EET MID
Soluble	Analysis	300.0		1			75814	03/18/24 18:20	CH	EET MID

Client Sample ID: SS 14 B
Date Collected: 03/13/24 09:26
Date Received: 03/13/24 16:32

Lab Sample ID: 890-6359-3
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	75805	03/18/24 09:10	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75798	03/19/24 00:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75972	03/19/24 00:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			76017	03/18/24 13:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	75801	03/18/24 08:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75775	03/18/24 13:08	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	75667	03/15/24 08:07	SA	EET MID
Soluble	Analysis	300.0		1			75814	03/18/24 18:25	CH	EET MID

Client Sample ID: SS 14 C
Date Collected: 03/13/24 09:28
Date Received: 03/13/24 16:32

Lab Sample ID: 890-6359-4
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	75805	03/18/24 09:10	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75798	03/19/24 00:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75972	03/19/24 00:43	SM	EET MID

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Lab Chronicle

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

Client Sample ID: SS 14 C

Lab Sample ID: 890-6359-4

Date Collected: 03/13/24 09:28

Matrix: Solid

Date Received: 03/13/24 16:32

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			76017	03/18/24 13:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	75801	03/18/24 08:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75775	03/18/24 13:30	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	75667	03/15/24 08:07	SA	EET MID
Soluble	Analysis	300.0		1			75814	03/18/24 18:31	CH	EET MID

Client Sample ID: FS - 01

Lab Sample ID: 890-6359-5

Date Collected: 03/13/24 10:50

Matrix: Solid

Date Received: 03/13/24 16:32

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	75805	03/18/24 09:10	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75798	03/19/24 01:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75972	03/19/24 01:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			76017	03/18/24 13:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	75801	03/18/24 08:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75775	03/18/24 13:51	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	75667	03/15/24 08:07	SA	EET MID
Soluble	Analysis	300.0		1			75814	03/18/24 18:36	CH	EET MID

Client Sample ID: FS - 02

Lab Sample ID: 890-6359-6

Date Collected: 03/13/24 10:52

Matrix: Solid

Date Received: 03/13/24 16:32

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	75805	03/18/24 09:10	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75798	03/19/24 01:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75972	03/19/24 01:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			76017	03/18/24 14:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	75801	03/18/24 08:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75775	03/18/24 14:12	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	75667	03/15/24 08:07	SA	EET MID
Soluble	Analysis	300.0		1			75814	03/18/24 18:52	CH	EET MID

Client Sample ID: FS - 03

Lab Sample ID: 890-6359-7

Date Collected: 03/13/24 10:54

Matrix: Solid

Date Received: 03/13/24 16:32

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	75805	03/18/24 09:10	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75798	03/19/24 01:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75972	03/19/24 01:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			76017	03/18/24 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	75801	03/18/24 08:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75775	03/18/24 14:34	SM	EET MID

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Lab Chronicle

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

Client Sample ID: FS - 03

Lab Sample ID: 890-6359-7

Date Collected: 03/13/24 10:54

Matrix: Solid

Date Received: 03/13/24 16:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	75667	03/15/24 08:07	SA	EET MID
Soluble	Analysis	300.0		1			75814	03/18/24 18:57	CH	EET MID

Client Sample ID: SW - 01

Lab Sample ID: 890-6359-8

Date Collected: 03/13/24 10:56

Matrix: Solid

Date Received: 03/13/24 16:32

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	75805	03/18/24 09:10	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75798	03/19/24 02:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75972	03/19/24 02:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			76017	03/18/24 14:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	75801	03/18/24 08:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75775	03/18/24 14:55	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	75667	03/15/24 08:07	SA	EET MID
Soluble	Analysis	300.0		1			75814	03/18/24 19:02	CH	EET MID

Client Sample ID: SS 69

Lab Sample ID: 890-6359-9

Date Collected: 03/13/24 10:58

Matrix: Solid

Date Received: 03/13/24 16:32

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	75805	03/18/24 09:10	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75798	03/19/24 02:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75972	03/19/24 02:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			76017	03/18/24 15:16	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	75801	03/18/24 08:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75775	03/18/24 15:16	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	75667	03/15/24 08:07	SA	EET MID
Soluble	Analysis	300.0		1			75814	03/18/24 19:08	CH	EET MID

Client Sample ID: SS 70

Lab Sample ID: 890-6359-10

Date Collected: 03/13/24 11:00

Matrix: Solid

Date Received: 03/13/24 16:32

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	75805	03/18/24 09:10	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75798	03/19/24 02:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75972	03/19/24 02:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			76017	03/18/24 11:23	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	75801	03/18/24 08:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75775	03/18/24 11:23	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	75667	03/15/24 08:07	SA	EET MID
Soluble	Analysis	300.0		1			75814	03/18/24 19:13	CH	EET MID

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Lab Chronicle

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

Client Sample ID: SS 71
Date Collected: 03/13/24 11:02
Date Received: 03/13/24 16:32

Lab Sample ID: 890-6359-11
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			5.03 g	5 mL	75805	03/18/24 09:10	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75798	03/19/24 04:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75972	03/19/24 04:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			76017	03/18/24 15:58	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	75801	03/18/24 08:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75775	03/18/24 15:58	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	75667	03/15/24 08:07	SA	EET MID
Soluble	Analysis	300.0		1			75814	03/18/24 19:18	CH	EET MID

Client Sample ID: SS 72
Date Collected: 03/13/24 11:04
Date Received: 03/13/24 16:32

Lab Sample ID: 890-6359-12
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			5.05 g	5 mL	75805	03/18/24 09:10	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75798	03/19/24 05:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75972	03/19/24 05:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			76017	03/18/24 16:19	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	75801	03/18/24 08:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75775	03/18/24 16:19	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	75667	03/15/24 08:07	SA	EET MID
Soluble	Analysis	300.0		1			75814	03/18/24 19:34	CH	EET MID

Client Sample ID: SS 73
Date Collected: 03/13/24 11:06
Date Received: 03/13/24 16:32

Lab Sample ID: 890-6359-13
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			5.01 g	5 mL	75805	03/18/24 09:10	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75798	03/19/24 05:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75972	03/19/24 05:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			76017	03/18/24 16:41	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	75801	03/18/24 08:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75775	03/18/24 16:41	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	75667	03/15/24 08:07	SA	EET MID
Soluble	Analysis	300.0		1			75814	03/18/24 19:40	CH	EET MID

Client Sample ID: SS 74
Date Collected: 03/13/24 11:08
Date Received: 03/13/24 16:32

Lab Sample ID: 890-6359-14
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			4.98 g	5 mL	75805	03/18/24 09:10	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75798	03/19/24 05:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75972	03/19/24 05:49	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

Client Sample ID: SS 74

Date Collected: 03/13/24 11:08

Date Received: 03/13/24 16:32

Lab Sample ID: 890-6359-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			76017	03/18/24 17:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	75801	03/18/24 08:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75775	03/18/24 17:02	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	75667	03/15/24 08:07	SA	EET MID
Soluble	Analysis	300.0		1			75814	03/18/24 19:56	CH	EET MID

Client Sample ID: SS 75

Date Collected: 03/13/24 11:10

Date Received: 03/13/24 16:32

Lab Sample ID: 890-6359-15

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			4.95 g	5 mL	75805	03/18/24 09:10	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75798	03/19/24 06:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75972	03/19/24 06:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			76017	03/18/24 17:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	75801	03/18/24 08:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75775	03/18/24 17:24	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	75667	03/15/24 08:07	SA	EET MID
Soluble	Analysis	300.0		1			75814	03/18/24 20:01	CH	EET MID

Client Sample ID: SS 76

Date Collected: 03/13/24 11:12

Date Received: 03/13/24 16:32

Lab Sample ID: 890-6359-16

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			4.96 g	5 mL	75805	03/18/24 09:10	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75798	03/19/24 06:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75972	03/19/24 06:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			76017	03/18/24 17:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	75801	03/18/24 08:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75775	03/18/24 17:45	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	75667	03/15/24 08:07	SA	EET MID
Soluble	Analysis	300.0		1			75814	03/18/24 20:06	CH	EET MID

Client Sample ID: SS 77

Date Collected: 03/13/24 11:14

Date Received: 03/13/24 16:32

Lab Sample ID: 890-6359-17

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			5.02 g	5 mL	75805	03/18/24 09:10	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75798	03/19/24 06:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75972	03/19/24 06:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			76017	03/18/24 18:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	75801	03/18/24 08:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75775	03/18/24 18:06	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

Client Sample ID: SS 77

Lab Sample ID: 890-6359-17

Date Collected: 03/13/24 11:14

Matrix: Solid

Date Received: 03/13/24 16:32

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	75667	03/15/24 08:07	SA	EET MID
Soluble	Analysis	300.0		1			75814	03/18/24 20:12	CH	EET MID

Client Sample ID: SS 78

Lab Sample ID: 890-6359-18

Date Collected: 03/13/24 11:16

Matrix: Solid

Date Received: 03/13/24 16:32

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	75805	03/18/24 09:10	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75798	03/19/24 07:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75972	03/19/24 07:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			76017	03/18/24 18:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	75801	03/18/24 08:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75775	03/18/24 18:27	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	75667	03/15/24 08:07	SA	EET MID
Soluble	Analysis	300.0		1			75814	03/18/24 20:17	CH	EET MID

Client Sample ID: SS 79

Lab Sample ID: 890-6359-19

Date Collected: 03/13/24 11:18

Matrix: Solid

Date Received: 03/13/24 16:32

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	75805	03/18/24 09:10	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75798	03/19/24 07:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75972	03/19/24 07:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			76017	03/18/24 18:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	75801	03/18/24 08:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75775	03/18/24 18:48	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	75667	03/15/24 08:07	SA	EET MID
Soluble	Analysis	300.0		1			75814	03/18/24 20:22	CH	EET MID

Client Sample ID: SS 80

Lab Sample ID: 890-6359-20

Date Collected: 03/13/24 11:20

Matrix: Solid

Date Received: 03/13/24 16:32

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	75805	03/18/24 09:10	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75798	03/19/24 07:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75972	03/19/24 07:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			76017	03/18/24 19:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	75801	03/18/24 08:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75775	03/18/24 19:09	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	75667	03/15/24 08:07	SA	EET MID
Soluble	Analysis	300.0		1			75814	03/18/24 20:28	CH	EET MID

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Lab Chronicle

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

Client Sample ID: SS 81

Date Collected: 03/13/24 11:22

Date Received: 03/13/24 16:32

Lab Sample ID: 890-6359-21

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	75804	03/18/24 08:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75796	03/19/24 01:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75972	03/19/24 01:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			76017	03/18/24 21:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	75802	03/18/24 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75775	03/18/24 21:59	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	75670	03/15/24 08:11	SA	EET MID
Soluble	Analysis	300.0		1			75815	03/19/24 03:07	SI	EET MID

Client Sample ID: SS 68

Date Collected: 03/13/24 12:31

Date Received: 03/13/24 16:32

Lab Sample ID: 890-6359-22

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	75804	03/18/24 08:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75796	03/19/24 02:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75972	03/19/24 02:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			76017	03/18/24 20:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	75802	03/18/24 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75775	03/18/24 20:55	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	75670	03/15/24 08:11	SA	EET MID
Soluble	Analysis	300.0		1			75815	03/19/24 03:23	SI	EET MID

Client Sample ID: SS 67

Date Collected: 03/13/24 12:36

Date Received: 03/13/24 16:32

Lab Sample ID: 890-6359-23

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			4.98 g	5 mL	75804	03/18/24 08:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75796	03/19/24 02:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75972	03/19/24 02:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			76017	03/18/24 22:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	75802	03/18/24 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75775	03/18/24 22:20	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	75670	03/15/24 08:11	SA	EET MID
Soluble	Analysis	300.0		1			75815	03/19/24 03:29	SI	EET MID

Client Sample ID: SS 66

Date Collected: 03/13/24 12:39

Date Received: 03/13/24 16:32

Lab Sample ID: 890-6359-24

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	75804	03/18/24 08:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75796	03/19/24 02:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75972	03/19/24 02:51	SM	EET MID

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Lab Chronicle

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

Client Sample ID: SS 66
Date Collected: 03/13/24 12:39
Date Received: 03/13/24 16:32

Lab Sample ID: 890-6359-24
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			76017	03/18/24 22:41	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	75802	03/18/24 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75775	03/18/24 22:41	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	75670	03/15/24 08:11	SA	EET MID
Soluble	Analysis	300.0		1			75815	03/19/24 03:34	SI	EET MID

Client Sample ID: SS 65
Date Collected: 03/13/24 12:43
Date Received: 03/13/24 16:32

Lab Sample ID: 890-6359-25
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	75804	03/18/24 08:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75796	03/19/24 03:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75972	03/19/24 03:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			76017	03/18/24 23:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	75802	03/18/24 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75775	03/18/24 23:03	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	75670	03/15/24 08:11	SA	EET MID
Soluble	Analysis	300.0		1			75815	03/19/24 03:39	SI	EET MID

Client Sample ID: SS 64
Date Collected: 03/13/24 13:32
Date Received: 03/13/24 16:32

Lab Sample ID: 890-6359-26
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	75804	03/18/24 08:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75796	03/19/24 03:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75972	03/19/24 03:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			76017	03/18/24 23:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	75802	03/18/24 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75775	03/18/24 23:24	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	75670	03/15/24 08:11	SA	EET MID
Soluble	Analysis	300.0		1			75815	03/19/24 03:55	SI	EET MID

Client Sample ID: SS 63
Date Collected: 03/13/24 13:36
Date Received: 03/13/24 16:32

Lab Sample ID: 890-6359-27
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	75804	03/18/24 08:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75796	03/19/24 04:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75972	03/19/24 04:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			76017	03/18/24 23:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	75802	03/18/24 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75775	03/18/24 23:45	SM	EET MID

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Lab Chronicle

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

Client Sample ID: SS 63

Date Collected: 03/13/24 13:36

Date Received: 03/13/24 16:32

Lab Sample ID: 890-6359-27

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			5.00 g	50 mL	75670	03/15/24 08:11	SA	EET MID
Soluble	Analysis	300.0		1			75815	03/19/24 04:00	SI	EET MID

Client Sample ID: SS 62

Date Collected: 03/13/24 13:42

Date Received: 03/13/24 16:32

Lab Sample ID: 890-6359-28

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	75804	03/18/24 08:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75796	03/19/24 04:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75972	03/19/24 04:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			76017	03/19/24 00:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	75802	03/18/24 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75775	03/19/24 00:07	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	75670	03/15/24 08:11	SA	EET MID
Soluble	Analysis	300.0		1			75815	03/19/24 04:06	SI	EET MID

Client Sample ID: SS 61

Date Collected: 03/13/24 13:38

Date Received: 03/13/24 16:32

Lab Sample ID: 890-6359-29

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	75804	03/18/24 08:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75796	03/19/24 04:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75972	03/19/24 04:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			76017	03/19/24 00:27	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	75802	03/18/24 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75775	03/19/24 00:27	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	75670	03/15/24 08:11	SA	EET MID
Soluble	Analysis	300.0		1			75815	03/19/24 04:11	SI	EET MID

Client Sample ID: SS 60

Date Collected: 03/13/24 13:45

Date Received: 03/13/24 16:32

Lab Sample ID: 890-6359-30

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	75804	03/18/24 08:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75796	03/19/24 05:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75972	03/19/24 05:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			76017	03/19/24 00:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	75802	03/18/24 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75775	03/19/24 00:48	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	75670	03/15/24 08:11	SA	EET MID
Soluble	Analysis	300.0		1			75815	03/19/24 04:17	SI	EET MID

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Lab Chronicle

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

Client Sample ID: SS 59
Date Collected: 03/13/24 13:22
Date Received: 03/13/24 16:32

Lab Sample ID: 890-6359-31
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	75804	03/18/24 08:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75796	03/19/24 07:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75972	03/19/24 07:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			76017	03/19/24 01:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	75802	03/18/24 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75775	03/19/24 01:30	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	75670	03/15/24 08:11	SA	EET MID
Soluble	Analysis	300.0		1			75815	03/19/24 04:22	SI	EET MID

Client Sample ID: SS 58
Date Collected: 03/13/24 13:10
Date Received: 03/13/24 16:32

Lab Sample ID: 890-6359-32
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	75804	03/18/24 08:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75796	03/19/24 07:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75972	03/19/24 07:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			76017	03/19/24 01:51	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	75802	03/18/24 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75775	03/19/24 01:51	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	75670	03/15/24 08:11	SA	EET MID
Soluble	Analysis	300.0		1			75815	03/19/24 04:38	SI	EET MID

Client Sample ID: SS 57
Date Collected: 03/13/24 12:59
Date Received: 03/13/24 16:32

Lab Sample ID: 890-6359-33
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	75804	03/18/24 08:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75796	03/19/24 08:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75972	03/19/24 08:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			76017	03/19/24 02:12	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	75802	03/18/24 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75775	03/19/24 02:12	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	75670	03/15/24 08:11	SA	EET MID
Soluble	Analysis	300.0		1			75815	03/19/24 04:43	SI	EET MID

Client Sample ID: SS 56
Date Collected: 03/13/24 13:02
Date Received: 03/13/24 16:32

Lab Sample ID: 890-6359-34
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	75804	03/18/24 08:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75796	03/19/24 08:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75972	03/19/24 08:28	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

Client Sample ID: SS 56

Lab Sample ID: 890-6359-34

Date Collected: 03/13/24 13:02

Matrix: Solid

Date Received: 03/13/24 16:32

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			76017	03/19/24 02:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	75802	03/18/24 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75775	03/19/24 02:33	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	75670	03/15/24 08:11	SA	EET MID
Soluble	Analysis	300.0		1			75815	03/19/24 04:59	SI	EET MID

Client Sample ID: SS 55

Lab Sample ID: 890-6359-35

Date Collected: 03/13/24 13:06

Matrix: Solid

Date Received: 03/13/24 16:32

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	75804	03/18/24 08:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75796	03/19/24 08:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75972	03/19/24 08:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			76017	03/19/24 02:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	75802	03/18/24 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75775	03/19/24 02:53	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	75670	03/15/24 08:11	SA	EET MID
Soluble	Analysis	300.0		1			75815	03/19/24 05:05	SI	EET MID

Client Sample ID: SS 54

Lab Sample ID: 890-6359-36

Date Collected: 03/13/24 13:15

Matrix: Solid

Date Received: 03/13/24 16:32

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	75804	03/18/24 08:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75796	03/19/24 09:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75972	03/19/24 09:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			76017	03/19/24 03:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	75802	03/18/24 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75775	03/19/24 03:15	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	75670	03/15/24 08:11	SA	EET MID
Soluble	Analysis	300.0		1			75815	03/19/24 05:10	SI	EET MID

Client Sample ID: SS 53

Lab Sample ID: 890-6359-37

Date Collected: 03/13/24 13:13

Matrix: Solid

Date Received: 03/13/24 16:32

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	75804	03/18/24 08:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75796	03/19/24 09:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75972	03/19/24 09:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			76017	03/19/24 03:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	75802	03/18/24 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75775	03/19/24 03:36	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

Client Sample ID: SS 53
Date Collected: 03/13/24 13:13
Date Received: 03/13/24 16:32

Lab Sample ID: 890-6359-37
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			5.02 g	50 mL	75670	03/15/24 08:11	SA	EET MID
Soluble	Analysis	300.0		1			75815	03/19/24 05:15	SI	EET MID

Client Sample ID: SS 52
Date Collected: 03/13/24 13:44
Date Received: 03/13/24 16:32

Lab Sample ID: 890-6359-38
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	75804	03/18/24 08:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75796	03/19/24 10:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75972	03/19/24 10:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			76017	03/19/24 03:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	75802	03/18/24 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75775	03/19/24 03:57	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	75670	03/15/24 08:11	SA	EET MID
Soluble	Analysis	300.0		1			75815	03/19/24 05:21	SI	EET MID

Client Sample ID: SS 51
Date Collected: 03/13/24 13:57
Date Received: 03/13/24 16:32

Lab Sample ID: 890-6359-39
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	75804	03/18/24 08:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75796	03/19/24 10:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75972	03/19/24 10:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			76017	03/19/24 04:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	75802	03/18/24 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75775	03/19/24 04:18	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	75670	03/15/24 08:11	SA	EET MID
Soluble	Analysis	300.0		1			75815	03/19/24 05:26	SI	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: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

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: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

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: Raspberry State Com 001H

Job ID: 890-6359-1
SDG: Lea County,NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-6359-1	SS 14	Solid	03/13/24 09:22	03/13/24 16:32	1'
890-6359-2	SS 14 A	Solid	03/13/24 09:24	03/13/24 16:32	2'
890-6359-3	SS 14 B	Solid	03/13/24 09:26	03/13/24 16:32	3'
890-6359-4	SS 14 C	Solid	03/13/24 09:28	03/13/24 16:32	4'
890-6359-5	FS - 01	Solid	03/13/24 10:50	03/13/24 16:32	1'
890-6359-6	FS - 02	Solid	03/13/24 10:52	03/13/24 16:32	1'
890-6359-7	FS - 03	Solid	03/13/24 10:54	03/13/24 16:32	1'
890-6359-8	SW - 01	Solid	03/13/24 10:56	03/13/24 16:32	0 - 1'
890-6359-9	SS 69	Solid	03/13/24 10:58	03/13/24 16:32	0 - 0.5'
890-6359-10	SS 70	Solid	03/13/24 11:00	03/13/24 16:32	0 - 0.5'
890-6359-11	SS 71	Solid	03/13/24 11:02	03/13/24 16:32	0 - 0.5'
890-6359-12	SS 72	Solid	03/13/24 11:04	03/13/24 16:32	0 - 0.5'
890-6359-13	SS 73	Solid	03/13/24 11:06	03/13/24 16:32	0 - 0.5'
890-6359-14	SS 74	Solid	03/13/24 11:08	03/13/24 16:32	0 - 0.5'
890-6359-15	SS 75	Solid	03/13/24 11:10	03/13/24 16:32	0 - 0.5'
890-6359-16	SS 76	Solid	03/13/24 11:12	03/13/24 16:32	0 - 0.5'
890-6359-17	SS 77	Solid	03/13/24 11:14	03/13/24 16:32	0 - 0.5'
890-6359-18	SS 78	Solid	03/13/24 11:16	03/13/24 16:32	0 - 0.5'
890-6359-19	SS 79	Solid	03/13/24 11:18	03/13/24 16:32	0 - 0.5'
890-6359-20	SS 80	Solid	03/13/24 11:20	03/13/24 16:32	0 - 0.5'
890-6359-21	SS 81	Solid	03/13/24 11:22	03/13/24 16:32	0 - 0.5'
890-6359-22	SS 68	Solid	03/13/24 12:31	03/13/24 16:32	0 - 0.5'
890-6359-23	SS 67	Solid	03/13/24 12:36	03/13/24 16:32	0 - 0.5'
890-6359-24	SS 66	Solid	03/13/24 12:39	03/13/24 16:32	0 - 0.5'
890-6359-25	SS 65	Solid	03/13/24 12:43	03/13/24 16:32	0 - 0.5'
890-6359-26	SS 64	Solid	03/13/24 13:32	03/13/24 16:32	0 - 0.5'
890-6359-27	SS 63	Solid	03/13/24 13:36	03/13/24 16:32	0 - 0.5'
890-6359-28	SS 62	Solid	03/13/24 13:42	03/13/24 16:32	0 - 0.5'
890-6359-29	SS 61	Solid	03/13/24 13:38	03/13/24 16:32	0 - 0.5'
890-6359-30	SS 60	Solid	03/13/24 13:45	03/13/24 16:32	0 - 0.5'
890-6359-31	SS 59	Solid	03/13/24 13:22	03/13/24 16:32	0 - 0.5'
890-6359-32	SS 58	Solid	03/13/24 13:10	03/13/24 16:32	0 - 0.5'
890-6359-33	SS 57	Solid	03/13/24 12:59	03/13/24 16:32	0 - 0.5'
890-6359-34	SS 56	Solid	03/13/24 13:02	03/13/24 16:32	0 - 0.5'
890-6359-35	SS 55	Solid	03/13/24 13:06	03/13/24 16:32	0 - 0.5'
890-6359-36	SS 54	Solid	03/13/24 13:15	03/13/24 16:32	0 - 0.5'
890-6359-37	SS 53	Solid	03/13/24 13:13	03/13/24 16:32	0 - 0.5'
890-6359-38	SS 52	Solid	03/13/24 13:44	03/13/24 16:32	0 - 0.5'
890-6359-39	SS 51	Solid	03/13/24 13:57	03/13/24 16:32	0 - 0.5'



Environment Testing
Xenco

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El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Chain of Custody

Work Order No: _____

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Page 1 of 4

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

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:	Raspberry State Com 001H	Turn Around	☒ Routine ☐ Rush	Pre-Code	
Project Number:	03D2024253	Due Date:			
Project Location:	Lea County, NM	TAT starts the day received by the lab, if received by 4:30pm			
Sample's Name:	Tablet / 163124 / 163124				
PO #:	03D2024253				
SAMPLE RECEIPT	Temp Blank: ☒ Yes ☒ No	Wet Ice: ☒ Yes ☒ No	Parameters		
Samples Received Intact:	Yes ☒ No ☒ N/A	Thermometer ID:	902		
Cooler Custody Seals:	Yes ☒ No ☒ N/A	Correction Factor:	1.0		
Sample Custody Seals:	Yes ☒ No ☒ N/A	Temperature Reading:	1.0		
Total Containers:		Corrected Temperature:	1.0		



890-6359 Chain of Custody

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab Comp	# of Cont	CHLORIDES (EPA: 300.0)	TPH (8015)	BTEX (8021)	ANALYSIS REQUEST	Preservative Codes	Sample Comments
SS14	S	3/13/24	0922	1'	G	1	X	X	X		None: NO	DI Water: H ₂ O
SS14A	S		0924	2'	G	1	X	X	X		Cool: Cool	MeOH: Me
SS14B	S		0926	3'	G	1	X	X	X		HCL: HC	HNO ₃ : HN
SS14C	S		0928	4'	G	1	X	X	X		H ₂ SO ₄ : H ₂	NaOH: Na
FS-01	S		1050	1'	G	1	X	X	X		H ₃ PO ₄ : HP	
FS-02	S		1052	1'	G	1	X	X	X		NaHSO ₄ : NABIS	
FS-03	S		1054	1'	G	1	X	X	X		Na ₂ S ₂ O ₈ : NaSO ₃	
FN-01	S		1056	0-1'	G	1	X	X	X		Zn Acetate+NaOH: Zn	
SS69	S		1058	0-0.5'	G	1	X	X	X		NaOH+Ascorbic Acid: SAPC	
SS76	S		1100	0-0.5'	G	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 SiO₂ Na Sr Ti 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 Ti 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.

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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

Work Order No: _____

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

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:	Raspberry State Com 001H	Turn Around	☒ Routine ☐ Rush	Pres. Code	
Project Number:	03D2024253	Due Date:			
Project Location:	Lea County, NM	TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	Tamara Sanchez / Xenco Services				
PO #:	03D2024253				
SAMPLE RECEIPT	Temp Blank: ☒ Yes ☒ No	Wet Ice: ☒ Yes ☒ No			
Samples Received Intact:	☒ Yes ☒ No	Thermometer ID:	111005		
Cooler Custody Seals:	☒ Yes ☒ No	Correction Factor:	-0.2		
Sample Custody Seals:	☒ Yes ☒ No	Temperature Reading:	1.6		
Total Containers:		Corrected Temperature:	1.4		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab Comp	# of Cont	CHLORIDES (EPA: 300.0)	TPH (8015)	BTEX (8021)	ANALYSIS REQUEST	Preservative Codes	Sample Comments
SS71	S	3/13/24	1102	005'	G	1	X	X	X		None: NO DI Water: H ₂ O	
SS72	S		1104		G	1	X	X	X		Cool: Cool MeOH: Me	
SS73	S		1106		G	1	X	X	X		HCL: HC HNO ₃ : HN	
SS74	S		1108		G	1	X	X	X		H ₂ SO ₄ : H ₂ NaOH: Na	
SS75	S		1110		G	1	X	X	X		H ₃ PO ₄ : HP	
SS76	S		1112		G	1	X	X	X		NaHSO ₄ : NABIS	
SS77	S		1114		G	1	X	X	X		Na ₂ S ₂ O ₃ : NaBO ₃	
SS78	S		1116		G	1	X	X	X		Zn Acetate+NaOH: Zn	
SS79	S		1118		G	1	X	X	X		NaOH+Ascorbic Acid: SARC	
SS80	S		1120		G	1	X	X	X			

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 At Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti 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 Ti 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.

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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) 509-3333
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No:

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

[illegible][illegible]

Total 200.7 / 6010	200.8 / 6020:	8RCRA	13PPM	Texas ††	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Mo	Ni	K	Se	Ag	SiO ₂	Na	Sr	Ti	Sn	U	V	Zn
Circle Method(s) and Metals) to be analyzed		TCLP / SPLP 6010:	8RCRA	Sb	As	Ba	Be	Cd <td>Cr</td> <td>Co</td> <td>Cu</td> <td>Pb</td> <td>Mn</td> <td>Mo</td> <td>Ni</td> <td>Se</td> <td>Ag</td> <td>Ti</td> <td>U</td> <td></td> <td></td> <td></td> <td></td> <td>Hg:</td> <td>1631 / 245</td> <td>1 / 245</td> <td>70 / 74</td> <td>70 / 74</td> <td>71</td> <td></td> <td></td>	Cr	Co	Cu	Pb	Mn	Mo	Ni	Se	Ag	Ti	U					Hg:	1631 / 245	1 / 245	70 / 74	70 / 74	71			

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 \$65.00 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 in writing.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 <i>[Signature]</i>	<i>[Signature]</i>	1630 3113			
3					
5					

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-6359-1
SDG Number: Lea County,NM
List Source: Eurofins Carlsbad

Login Number: 6359
List Number: 1
Creator: Bruns, Shannon

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

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-6359-1
SDG Number: Lea County,NM

Login Number: 6359
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 03/15/24 02:28 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	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

RASPBERRY STATE COM 001H
03D2024253

JOB NUMBER

890-6345-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

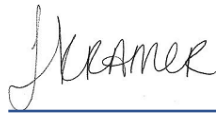
Eurofins Carlsbad

Job Notes

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

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

Authorization



Generated
3/18/2024 1:24:34 PM

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

Client: Ensolum
Project/Site: RASPBERRY STATE COM 001H

Laboratory Job ID: 890-6345-1
SDG: 03D2024253

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Definitions/Glossary

Client: Ensolum
Project/Site: RASPBERRY STATE COM 001H

Job ID: 890-6345-1
SDG: 03D2024253

Qualifiers

GC VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD 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
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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: RASPBERRY STATE COM 001H

Job ID: 890-6345-1

Job ID: 890-6345-1

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Job Narrative 890-6345-1

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 3/12/2024 3:52 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 -1.2°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SS 16 (890-6345-1), SS 17 (890-6345-2), SS 18 (890-6345-3), SS 19 (890-6345-4), SS 20 (890-6345-5), SS 21 (890-6345-6), SS 22 (890-6345-7), SS 23 (890-6345-8), SS 24 (890-6345-9), SS 25 (890-6345-10), SS 26 (890-6345-11), SS 27 (890-6345-12), SS 28 (890-6345-13), SS 29 (890-6345-14), SS 30 (890-6345-15), SS 31 (890-6345-16), SS 32 (890-6345-17), SS 33 (890-6345-18), SS 34 (890-6345-19), SS 35 (890-6345-20), SS 36 (890-6345-21), SS 37 (890-6345-22), SS 38 (890-6345-23), SS 39 (890-6345-24), SS 40 (890-6345-25), SS 41 (890-6345-26) and SS 42 (890-6345-27).

GC VOA

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-75646 and analytical batch 880-75669 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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 880-75608 and 880-75647 and analytical batch 880-75655 was outside the upper control limits.

Method 8015MOD_NM: LCS suppressed due to instrument malfunction.

(LCS 880-75647/2-A)

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-75647 and analytical batch 880-75655 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: Spike compounds were inadvertently omitted during the extraction process for the matrix spike/matrix spike duplicate (MS/MSD); therefore, matrix spike recoveries are unavailable for preparation batch 880-75561 and analytical batch 880-75642. The associated laboratory control sample (LCS) met acceptance criteria.

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

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Client Sample Results

Client: Ensolum
Project/Site: RASPBERRY STATE COM 001H

Job ID: 890-6345-1
SDG: 03D2024253

Client Sample ID: SS 16

Lab Sample ID: 890-6345-1

Date Collected: 03/12/24 10:45

Matrix: Solid

Date Received: 03/12/24 15:52

Sample Depth: 0 - 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		03/14/24 14:42	03/15/24 12:21	1
Toluene	<0.00198	U	0.00198	mg/Kg		03/14/24 14:42	03/15/24 12:21	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/14/24 14:42	03/15/24 12:21	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		03/14/24 14:42	03/15/24 12:21	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		03/14/24 14:42	03/15/24 12:21	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		03/14/24 14:42	03/15/24 12:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	03/14/24 14:42	03/15/24 12:21	1
1,4-Difluorobenzene (Surr)	80		70 - 130	03/14/24 14:42	03/15/24 12:21	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			03/15/24 12:21	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	90.1		50.0	mg/Kg			03/15/24 09:36	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	<50.0	U	50.0	mg/Kg		03/14/24 13:13	03/15/24 09:36	1
Diesel Range Organics (Over C10-C28)	90.1		50.0	mg/Kg		03/14/24 13:13	03/15/24 09:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/14/24 13:13	03/15/24 09:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130	03/14/24 13:13	03/15/24 09:36	1
o-Terphenyl	94		70 - 130	03/14/24 13:13	03/15/24 09:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	127		5.01	mg/Kg			03/14/24 17:50	1

Client Sample ID: SS 17

Lab Sample ID: 890-6345-2

Date Collected: 03/12/24 11:00

Matrix: Solid

Date Received: 03/12/24 15:52

Sample Depth: 0 - 0.5'

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		03/14/24 14:42	03/15/24 12:42	1
Toluene	<0.00201	U	0.00201	mg/Kg		03/14/24 14:42	03/15/24 12:42	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/14/24 14:42	03/15/24 12:42	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		03/14/24 14:42	03/15/24 12:42	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/14/24 14:42	03/15/24 12:42	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/14/24 14:42	03/15/24 12:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	03/14/24 14:42	03/15/24 12:42	1

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Client Sample Results

Client: Ensolum
Project/Site: RASPBERRY STATE COM 001H

Job ID: 890-6345-1
SDG: 03D2024253

Client Sample ID: SS 17

Lab Sample ID: 890-6345-2

Date Collected: 03/12/24 11:00

Matrix: Solid

Date Received: 03/12/24 15:52

Sample Depth: 0 - 0.5'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	79		70 - 130	03/14/24 14:42	03/15/24 12:42	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			03/15/24 12:42	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			03/15/24 11:01	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	<49.6	U	49.6	mg/Kg		03/14/24 13:13	03/15/24 11:01	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		03/14/24 13:13	03/15/24 11:01	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		03/14/24 13:13	03/15/24 11:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130			03/14/24 13:13	03/15/24 11:01	1
o-Terphenyl	93		70 - 130			03/14/24 13:13	03/15/24 11:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	181		4.99	mg/Kg			03/14/24 18:06	1

Client Sample ID: SS 18

Lab Sample ID: 890-6345-3

Date Collected: 03/12/24 10:27

Matrix: Solid

Date Received: 03/12/24 15:52

Sample Depth: 0 - 0.5'

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		03/14/24 14:42	03/15/24 13:02	1
Toluene	<0.00202	U	0.00202	mg/Kg		03/14/24 14:42	03/15/24 13:02	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		03/14/24 14:42	03/15/24 13:02	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		03/14/24 14:42	03/15/24 13:02	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		03/14/24 14:42	03/15/24 13:02	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		03/14/24 14:42	03/15/24 13:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	03/14/24 14:42	03/15/24 13:02	1
1,4-Difluorobenzene (Surr)	81		70 - 130	03/14/24 14:42	03/15/24 13:02	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			03/15/24 13:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	89.2		49.6	mg/Kg			03/15/24 11:23	1

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Client Sample Results

Client: Ensolum
Project/Site: RASPBERRY STATE COM 001H

Job ID: 890-6345-1
SDG: 03D2024253

Client Sample ID: SS 18

Lab Sample ID: 890-6345-3

Date Collected: 03/12/24 10:27

Matrix: Solid

Date Received: 03/12/24 15:52

Sample Depth: 0 - 0.5'

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		03/14/24 13:13	03/15/24 11:23	1	
Diesel Range Organics (Over C10-C28)	89.2		49.6	mg/Kg		03/14/24 13:13	03/15/24 11:23	1	
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		03/14/24 13:13	03/15/24 11:23	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	105		70 - 130			03/14/24 13:13	03/15/24 11:23	1	
o-Terphenyl	79		70 - 130			03/14/24 13:13	03/15/24 11:23	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	106		4.99	mg/Kg			03/14/24 18:12	1	

Client Sample ID: SS 19

Lab Sample ID: 890-6345-4

Date Collected: 03/12/24 10:30

Matrix: Solid

Date Received: 03/12/24 15:52

Sample Depth: 0 - 0.5'

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00172	U	0.00172	mg/Kg		03/14/24 14:42	03/15/24 13:22	1	
Toluene	<0.00172	U	0.00172	mg/Kg		03/14/24 14:42	03/15/24 13:22	1	
Ethylbenzene	<0.00172	U	0.00172	mg/Kg		03/14/24 14:42	03/15/24 13:22	1	
m-Xylene & p-Xylene	<0.00344	U	0.00344	mg/Kg		03/14/24 14:42	03/15/24 13:22	1	
o-Xylene	<0.00172	U	0.00172	mg/Kg		03/14/24 14:42	03/15/24 13:22	1	
Xylenes, Total	<0.00344	U	0.00344	mg/Kg		03/14/24 14:42	03/15/24 13:22	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	92		70 - 130			03/14/24 14:42	03/15/24 13:22	1	
1,4-Difluorobenzene (Surr)	77		70 - 130			03/14/24 14:42	03/15/24 13:22	1	

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00344	U	0.00344	mg/Kg			03/15/24 13:22	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	87.5		50.0	mg/Kg			03/15/24 11:44	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		03/14/24 13:13	03/15/24 11:44	1	
Diesel Range Organics (Over C10-C28)	87.5		50.0	mg/Kg		03/14/24 13:13	03/15/24 11:44	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/14/24 13:13	03/15/24 11:44	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	119		70 - 130			03/14/24 13:13	03/15/24 11:44	1	
o-Terphenyl	94		70 - 130			03/14/24 13:13	03/15/24 11:44	1	

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Client Sample Results

Client: Ensolum
Project/Site: RASPBERRY STATE COM 001H

Job ID: 890-6345-1
SDG: 03D2024253

Client Sample ID: SS 19

Lab Sample ID: 890-6345-4

Date Collected: 03/12/24 10:30

Matrix: Solid

Date Received: 03/12/24 15:52

Sample Depth: 0 - 0.5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	115		5.05	mg/Kg			03/14/24 18:17	1

Client Sample ID: SS 20

Lab Sample ID: 890-6345-5

Date Collected: 03/12/24 10:31

Matrix: Solid

Date Received: 03/12/24 15:52

Sample Depth: 0 - 0.5'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00170	U	0.00170	mg/Kg		03/14/24 14:42	03/15/24 13:43	1
Toluene	<0.00170	U	0.00170	mg/Kg		03/14/24 14:42	03/15/24 13:43	1
Ethylbenzene	<0.00170	U	0.00170	mg/Kg		03/14/24 14:42	03/15/24 13:43	1
m-Xylene & p-Xylene	<0.00340	U	0.00340	mg/Kg		03/14/24 14:42	03/15/24 13:43	1
o-Xylene	<0.00170	U	0.00170	mg/Kg		03/14/24 14:42	03/15/24 13:43	1
Xylenes, Total	<0.00340	U	0.00340	mg/Kg		03/14/24 14:42	03/15/24 13:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130			03/14/24 14:42	03/15/24 13:43	1
1,4-Difluorobenzene (Surr)	75		70 - 130			03/14/24 14:42	03/15/24 13:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00340	U	0.00340	mg/Kg			03/15/24 13:43	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	61.8		49.9	mg/Kg			03/15/24 12:06	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		03/14/24 13:13	03/15/24 12:06	1
Diesel Range Organics (Over C10-C28)	61.8		49.9	mg/Kg		03/14/24 13:13	03/15/24 12:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/14/24 13:13	03/15/24 12:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130			03/14/24 13:13	03/15/24 12:06	1
o-Terphenyl	81		70 - 130			03/14/24 13:13	03/15/24 12:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	85.1		5.03	mg/Kg			03/14/24 18:22	1

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Client Sample Results

Client: Ensolum
Project/Site: RASPBERRY STATE COM 001H

Job ID: 890-6345-1
SDG: 03D2024253

Client Sample ID: SS 21

Lab Sample ID: 890-6345-6

Date Collected: 03/12/24 10:32

Matrix: Solid

Date Received: 03/12/24 15:52

Sample Depth: 0 - 0.5'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00189	U	0.00189	mg/Kg		03/14/24 14:42	03/15/24 14:03	1
Toluene	<0.00189	U	0.00189	mg/Kg		03/14/24 14:42	03/15/24 14:03	1
Ethylbenzene	<0.00189	U	0.00189	mg/Kg		03/14/24 14:42	03/15/24 14:03	1
m-Xylene & p-Xylene	<0.00378	U	0.00378	mg/Kg		03/14/24 14:42	03/15/24 14:03	1
o-Xylene	<0.00189	U	0.00189	mg/Kg		03/14/24 14:42	03/15/24 14:03	1
Xylenes, Total	<0.00378	U	0.00378	mg/Kg		03/14/24 14:42	03/15/24 14:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	03/14/24 14:42	03/15/24 14:03	1
1,4-Difluorobenzene (Surr)	81		70 - 130	03/14/24 14:42	03/15/24 14:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00378	U	0.00378	mg/Kg			03/15/24 14:03	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	63.8		49.9	mg/Kg			03/15/24 12:27	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	<49.9	U	49.9	mg/Kg		03/14/24 13:13	03/15/24 12:27	1
Diesel Range Organics (Over C10-C28)	63.8		49.9	mg/Kg		03/14/24 13:13	03/15/24 12:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/14/24 13:13	03/15/24 12:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	03/14/24 13:13	03/15/24 12:27	1
o-Terphenyl	81		70 - 130	03/14/24 13:13	03/15/24 12:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	250		4.97	mg/Kg			03/14/24 18:38	1

Client Sample ID: SS 22

Lab Sample ID: 890-6345-7

Date Collected: 03/12/24 10:35

Matrix: Solid

Date Received: 03/12/24 15:52

Sample Depth: 0 - 0.5'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00180	U	0.00180	mg/Kg		03/14/24 14:42	03/15/24 16:29	1
Toluene	<0.00180	U	0.00180	mg/Kg		03/14/24 14:42	03/15/24 16:29	1
Ethylbenzene	<0.00180	U	0.00180	mg/Kg		03/14/24 14:42	03/15/24 16:29	1
m-Xylene & p-Xylene	<0.00360	U	0.00360	mg/Kg		03/14/24 14:42	03/15/24 16:29	1
o-Xylene	<0.00180	U	0.00180	mg/Kg		03/14/24 14:42	03/15/24 16:29	1
Xylenes, Total	<0.00360	U	0.00360	mg/Kg		03/14/24 14:42	03/15/24 16:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	03/14/24 14:42	03/15/24 16:29	1

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Client Sample Results

Client: Ensolum
Project/Site: RASPBERRY STATE COM 001H

Job ID: 890-6345-1
SDG: 03D2024253

Client Sample ID: SS 22
Date Collected: 03/12/24 10:35
Date Received: 03/12/24 15:52
Sample Depth: 0 - 0.5'

Lab Sample ID: 890-6345-7
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)									
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1,4-Difluorobenzene (Surr)	82		70 - 130			03/14/24 14:42	03/15/24 16:29	1	
Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00360	U	0.00360	mg/Kg			03/15/24 16:29	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	102		50.1	mg/Kg			03/15/24 12:48	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		03/14/24 13:13	03/15/24 12:48	1	
Diesel Range Organics (Over C10-C28)	90.2		50.1	mg/Kg		03/14/24 13:13	03/15/24 12:48	1	
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		03/14/24 13:13	03/15/24 12:48	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	100		70 - 130			03/14/24 13:13	03/15/24 12:48	1	
o-Terphenyl	81		70 - 130			03/14/24 13:13	03/15/24 12:48	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	328		4.96	mg/Kg			03/14/24 18:44	1	

Client Sample ID: SS 23
Date Collected: 03/12/24 10:37
Date Received: 03/12/24 15:52
Sample Depth: 0 - 0.5'

Lab Sample ID: 890-6345-8
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00180	U	0.00180	mg/Kg		03/14/24 14:42	03/15/24 16:49	1	
Toluene	<0.00180	U	0.00180	mg/Kg		03/14/24 14:42	03/15/24 16:49	1	
Ethylbenzene	<0.00180	U	0.00180	mg/Kg		03/14/24 14:42	03/15/24 16:49	1	
m-Xylene & p-Xylene	<0.00360	U	0.00360	mg/Kg		03/14/24 14:42	03/15/24 16:49	1	
o-Xylene	<0.00180	U	0.00180	mg/Kg		03/14/24 14:42	03/15/24 16:49	1	
Xylenes, Total	<0.00360	U	0.00360	mg/Kg		03/14/24 14:42	03/15/24 16:49	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	100		70 - 130			03/14/24 14:42	03/15/24 16:49	1	
1,4-Difluorobenzene (Surr)	78		70 - 130			03/14/24 14:42	03/15/24 16:49	1	
Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00360	U	0.00360	mg/Kg			03/15/24 16:49	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	81.9		50.4	mg/Kg			03/15/24 13:09	1	

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Client Sample Results

Client: Ensolum
Project/Site: RASPBERRY STATE COM 001H

Job ID: 890-6345-1
SDG: 03D2024253

Client Sample ID: SS 23

Lab Sample ID: 890-6345-8

Date Collected: 03/12/24 10:37

Matrix: Solid

Date Received: 03/12/24 15:52

Sample Depth: 0 - 0.5'

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		03/14/24 13:13	03/15/24 13:09	1	
Diesel Range Organics (Over C10-C28)	81.9		50.4	mg/Kg		03/14/24 13:13	03/15/24 13:09	1	
Oil Range Organics (Over C28-C36)	<50.4	U	50.4	mg/Kg		03/14/24 13:13	03/15/24 13:09	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	103		70 - 130			03/14/24 13:13	03/15/24 13:09	1	
o-Terphenyl	84		70 - 130			03/14/24 13:13	03/15/24 13:09	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	225		5.03	mg/Kg			03/14/24 18:49	1	

Client Sample ID: SS 24

Lab Sample ID: 890-6345-9

Date Collected: 03/12/24 10:33

Matrix: Solid

Date Received: 03/12/24 15:52

Sample Depth: 0 - 0.5'

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00157	U	0.00157	mg/Kg		03/14/24 14:42	03/15/24 17:10	1	
Toluene	<0.00157	U	0.00157	mg/Kg		03/14/24 14:42	03/15/24 17:10	1	
Ethylbenzene	<0.00157	U	0.00157	mg/Kg		03/14/24 14:42	03/15/24 17:10	1	
m-Xylene & p-Xylene	<0.00314	U	0.00314	mg/Kg		03/14/24 14:42	03/15/24 17:10	1	
o-Xylene	<0.00157	U	0.00157	mg/Kg		03/14/24 14:42	03/15/24 17:10	1	
Xylenes, Total	<0.00314	U	0.00314	mg/Kg		03/14/24 14:42	03/15/24 17:10	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	99		70 - 130			03/14/24 14:42	03/15/24 17:10	1	
1,4-Difluorobenzene (Surr)	78		70 - 130			03/14/24 14:42	03/15/24 17:10	1	

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00314	U	0.00314	mg/Kg			03/15/24 17:10	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	47.3		50.0	mg/Kg			03/15/24 13:31	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		03/14/24 13:13	03/15/24 13:31	1	
Diesel Range Organics (Over C10-C28)	47.3		50.0	mg/Kg		03/14/24 13:13	03/15/24 13:31	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/14/24 13:13	03/15/24 13:31	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	112		70 - 130			03/14/24 13:13	03/15/24 13:31	1	
o-Terphenyl	87		70 - 130			03/14/24 13:13	03/15/24 13:31	1	

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Client Sample Results

Client: Ensolum
Project/Site: RASPBERRY STATE COM 001H

Job ID: 890-6345-1
SDG: 03D2024253

Client Sample ID: SS 24

Lab Sample ID: 890-6345-9

Date Collected: 03/12/24 10:33

Matrix: Solid

Date Received: 03/12/24 15:52

Sample Depth: 0 - 0.5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	319		5.03	mg/Kg			03/14/24 18:54	1

Client Sample ID: SS 25

Lab Sample ID: 890-6345-10

Date Collected: 03/12/24 10:40

Matrix: Solid

Date Received: 03/12/24 15:52

Sample Depth: 0 - 0.5'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00159	U	0.00159	mg/Kg		03/14/24 14:42	03/15/24 17:30	1
Toluene	<0.00159	U	0.00159	mg/Kg		03/14/24 14:42	03/15/24 17:30	1
Ethylbenzene	<0.00159	U	0.00159	mg/Kg		03/14/24 14:42	03/15/24 17:30	1
m-Xylene & p-Xylene	<0.00318	U	0.00318	mg/Kg		03/14/24 14:42	03/15/24 17:30	1
o-Xylene	<0.00159	U	0.00159	mg/Kg		03/14/24 14:42	03/15/24 17:30	1
Xylenes, Total	<0.00318	U	0.00318	mg/Kg		03/14/24 14:42	03/15/24 17:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130			03/14/24 14:42	03/15/24 17:30	1
1,4-Difluorobenzene (Surr)	80		70 - 130			03/14/24 14:42	03/15/24 17:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00318	U	0.00318	mg/Kg			03/15/24 17:30	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	57.4		49.8	mg/Kg			03/15/24 14:13	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		03/14/24 13:13	03/15/24 14:13	1
Diesel Range Organics (Over C10-C28)	57.4		49.8	mg/Kg		03/14/24 13:13	03/15/24 14:13	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		03/14/24 13:13	03/15/24 14:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130			03/14/24 13:13	03/15/24 14:13	1
o-Terphenyl	88		70 - 130			03/14/24 13:13	03/15/24 14:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	74.3		5.02	mg/Kg			03/14/24 19:42	1

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Client Sample Results

Client: Ensolum
Project/Site: RASPBERRY STATE COM 001H

Job ID: 890-6345-1
SDG: 03D2024253

Client Sample ID: SS 26
Date Collected: 03/12/24 10:55
Date Received: 03/12/24 15:52
Sample Depth: 0 - 0.5'

Lab Sample ID: 890-6345-11
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		03/14/24 14:42	03/15/24 17:51	1	
Toluene	<0.00199	U	0.00199	mg/Kg		03/14/24 14:42	03/15/24 17:51	1	
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/14/24 14:42	03/15/24 17:51	1	
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/14/24 14:42	03/15/24 17:51	1	
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/14/24 14:42	03/15/24 17:51	1	
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/14/24 14:42	03/15/24 17:51	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	94		70 - 130			03/14/24 14:42	03/15/24 17:51	1	
1,4-Difluorobenzene (Surr)	78		70 - 130			03/14/24 14:42	03/15/24 17:51	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			03/15/24 17:51	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<50.0	U	50.0	mg/Kg			03/15/24 14:34	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		03/14/24 13:13	03/15/24 14:34	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/14/24 13:13	03/15/24 14:34	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/14/24 13:13	03/15/24 14:34	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	120		70 - 130			03/14/24 13:13	03/15/24 14:34	1	
o-Terphenyl	94		70 - 130			03/14/24 13:13	03/15/24 14:34	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	83.2	F1	5.05	mg/Kg			03/14/24 19:48	1	

Client Sample ID: SS 27
Date Collected: 03/12/24 10:56
Date Received: 03/12/24 15:52
Sample Depth: 0 - 0.5'

Lab Sample ID: 890-6345-12
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		03/14/24 14:42	03/15/24 18:11	1	
Toluene	<0.00200	U	0.00200	mg/Kg		03/14/24 14:42	03/15/24 18:11	1	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/14/24 14:42	03/15/24 18:11	1	
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/14/24 14:42	03/15/24 18:11	1	
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/14/24 14:42	03/15/24 18:11	1	
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/14/24 14:42	03/15/24 18:11	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	96		70 - 130			03/14/24 14:42	03/15/24 18:11	1	

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Client Sample Results

Client: Ensolum
Project/Site: RASPBERRY STATE COM 001H

Job ID: 890-6345-1
SDG: 03D2024253

Client Sample ID: SS 27

Lab Sample ID: 890-6345-12

Date Collected: 03/12/24 10:56

Matrix: Solid

Date Received: 03/12/24 15:52

Sample Depth: 0 - 0.5'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	77		70 - 130	03/14/24 14:42	03/15/24 18:11	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			03/15/24 18:11	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/15/24 14:56	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	<50.0	U	50.0	mg/Kg		03/14/24 13:13	03/15/24 14:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/14/24 13:13	03/15/24 14:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/14/24 13:13	03/15/24 14:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130			03/14/24 13:13	03/15/24 14:56	1
o-Terphenyl	82		70 - 130			03/14/24 13:13	03/15/24 14:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	61.6		4.95	mg/Kg			03/14/24 20:04	1

Client Sample ID: SS 28

Lab Sample ID: 890-6345-13

Date Collected: 03/12/24 10:57

Matrix: Solid

Date Received: 03/12/24 15:52

Sample Depth: 0 - 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		03/14/24 14:42	03/15/24 18:32	1
Toluene	<0.00198	U	0.00198	mg/Kg		03/14/24 14:42	03/15/24 18:32	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/14/24 14:42	03/15/24 18:32	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		03/14/24 14:42	03/15/24 18:32	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		03/14/24 14:42	03/15/24 18:32	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		03/14/24 14:42	03/15/24 18:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	03/14/24 14:42	03/15/24 18:32	1
1,4-Difluorobenzene (Surr)	73		70 - 130	03/14/24 14:42	03/15/24 18:32	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			03/15/24 18:32	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			03/15/24 15:17	1

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Client Sample Results

Client: Ensolum
Project/Site: RASPBERRY STATE COM 001H

Job ID: 890-6345-1
SDG: 03D2024253

Client Sample ID: SS 28

Lab Sample ID: 890-6345-13

Date Collected: 03/12/24 10:57

Matrix: Solid

Date Received: 03/12/24 15:52

Sample Depth: 0 - 0.5'

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		03/14/24 13:13	03/15/24 15:17	1	
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/14/24 13:13	03/15/24 15:17	1	
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/14/24 13:13	03/15/24 15:17	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	101		70 - 130			03/14/24 13:13	03/15/24 15:17	1	
o-Terphenyl	81		70 - 130			03/14/24 13:13	03/15/24 15:17	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	68.4		4.96	mg/Kg			03/14/24 20:09	1	

Client Sample ID: SS 29

Lab Sample ID: 890-6345-14

Date Collected: 03/12/24 10:58

Matrix: Solid

Date Received: 03/12/24 15:52

Sample Depth: 0 - 0.5'

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		03/14/24 14:42	03/15/24 18:52	1	
Toluene	<0.00201	U	0.00201	mg/Kg		03/14/24 14:42	03/15/24 18:52	1	
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/14/24 14:42	03/15/24 18:52	1	
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		03/14/24 14:42	03/15/24 18:52	1	
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/14/24 14:42	03/15/24 18:52	1	
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/14/24 14:42	03/15/24 18:52	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	99		70 - 130			03/14/24 14:42	03/15/24 18:52	1	
1,4-Difluorobenzene (Surr)	76		70 - 130			03/14/24 14:42	03/15/24 18:52	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			03/15/24 18:52	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			03/15/24 15:39	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		03/14/24 13:13	03/15/24 15:39	1	
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/14/24 13:13	03/15/24 15:39	1	
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/14/24 13:13	03/15/24 15:39	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	111		70 - 130			03/14/24 13:13	03/15/24 15:39	1	
o-Terphenyl	88		70 - 130			03/14/24 13:13	03/15/24 15:39	1	

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Client Sample Results

Client: Ensolum
Project/Site: RASPBERRY STATE COM 001H

Job ID: 890-6345-1
SDG: 03D2024253

Client Sample ID: SS 29

Date Collected: 03/12/24 10:58
Date Received: 03/12/24 15:52
Sample Depth: 0 - 0.5'

Lab Sample ID: 890-6345-14

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	71.4		4.95	mg/Kg			03/14/24 20:14	1	

Client Sample ID: SS 30

Date Collected: 03/12/24 10:59
Date Received: 03/12/24 15:52
Sample Depth: 0 - 0.5'

Lab Sample ID: 890-6345-15

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		03/14/24 14:42	03/15/24 19:12	1	
Toluene	<0.00202	U	0.00202	mg/Kg		03/14/24 14:42	03/15/24 19:12	1	
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		03/14/24 14:42	03/15/24 19:12	1	
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		03/14/24 14:42	03/15/24 19:12	1	
o-Xylene	<0.00202	U	0.00202	mg/Kg		03/14/24 14:42	03/15/24 19:12	1	
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		03/14/24 14:42	03/15/24 19:12	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	98		70 - 130			03/14/24 14:42	03/15/24 19:12	1	
1,4-Difluorobenzene (Surr)	73		70 - 130			03/14/24 14:42	03/15/24 19:12	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			03/15/24 19:12	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			03/15/24 16:00	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		03/14/24 13:13	03/15/24 16:00	1	
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		03/14/24 13:13	03/15/24 16:00	1	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		03/14/24 13:13	03/15/24 16:00	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	108		70 - 130			03/14/24 13:13	03/15/24 16:00	1	
o-Terphenyl	84		70 - 130			03/14/24 13:13	03/15/24 16:00	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	95.7		4.96	mg/Kg			03/14/24 19:00	1	

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Client Sample Results

Client: Ensolum
Project/Site: RASPBERRY STATE COM 001H

Job ID: 890-6345-1
SDG: 03D2024253

Client Sample ID: SS 31
Date Collected: 03/12/24 10:52
Date Received: 03/12/24 15:52
Sample Depth: 0 - 0.5'

Lab Sample ID: 890-6345-16
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		03/14/24 14:42	03/15/24 19:33	1	
Toluene	<0.00200	U	0.00200	mg/Kg		03/14/24 14:42	03/15/24 19:33	1	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/14/24 14:42	03/15/24 19:33	1	
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		03/14/24 14:42	03/15/24 19:33	1	
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/14/24 14:42	03/15/24 19:33	1	
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		03/14/24 14:42	03/15/24 19:33	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	96		70 - 130			03/14/24 14:42	03/15/24 19:33	1	
1,4-Difluorobenzene (Surr)	70		70 - 130			03/14/24 14:42	03/15/24 19:33	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			03/15/24 19:33	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<50.0	U	50.0	mg/Kg			03/15/24 16:21	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		03/14/24 13:13	03/15/24 16:21	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/14/24 13:13	03/15/24 16:21	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/14/24 13:13	03/15/24 16:21	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	102		70 - 130			03/14/24 13:13	03/15/24 16:21	1	
o-Terphenyl	83		70 - 130			03/14/24 13:13	03/15/24 16:21	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	148		4.98	mg/Kg			03/14/24 19:05	1	

Client Sample ID: SS 32
Date Collected: 03/12/24 10:50
Date Received: 03/12/24 15:52
Sample Depth: 0 - 0.5'

Lab Sample ID: 890-6345-17
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00199	U *1	0.00199	mg/Kg		03/14/24 16:32	03/15/24 12:34	1	
Toluene	<0.00199	U *- *1	0.00199	mg/Kg		03/14/24 16:32	03/15/24 12:34	1	
Ethylbenzene	<0.00199	U *1	0.00199	mg/Kg		03/14/24 16:32	03/15/24 12:34	1	
m-Xylene & p-Xylene	<0.00398	U *1	0.00398	mg/Kg		03/14/24 16:32	03/15/24 12:34	1	
o-Xylene	<0.00199	U *-	0.00199	mg/Kg		03/14/24 16:32	03/15/24 12:34	1	
Xylenes, Total	<0.00398	U *- *1	0.00398	mg/Kg		03/14/24 16:32	03/15/24 12:34	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	89		70 - 130			03/14/24 16:32	03/15/24 12:34	1	

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Client Sample Results

Client: Ensolum
Project/Site: RASPBERRY STATE COM 001H

Job ID: 890-6345-1
SDG: 03D2024253

Client Sample ID: SS 32

Lab Sample ID: 890-6345-17

Date Collected: 03/12/24 10:50

Matrix: Solid

Date Received: 03/12/24 15:52

Sample Depth: 0 - 0.5'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	100		70 - 130	03/14/24 16:32	03/15/24 12:34	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			03/15/24 12:34	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			03/15/24 16:43	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	<50.1	U	50.1	mg/Kg		03/14/24 13:13	03/15/24 16:43	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		03/14/24 13:13	03/15/24 16:43	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		03/14/24 13:13	03/15/24 16:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130			03/14/24 13:13	03/15/24 16:43	1
o-Terphenyl	83		70 - 130			03/14/24 13:13	03/15/24 16:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	471		4.97	mg/Kg			03/14/24 19:10	1

Client Sample ID: SS 33

Lab Sample ID: 890-6345-18

Date Collected: 03/12/24 10:51

Matrix: Solid

Date Received: 03/12/24 15:52

Sample Depth: 0 - 0.5'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U *1	0.00198	mg/Kg		03/14/24 16:32	03/15/24 12:55	1
Toluene	<0.00198	U *- *1	0.00198	mg/Kg		03/14/24 16:32	03/15/24 12:55	1
Ethylbenzene	<0.00198	U *1	0.00198	mg/Kg		03/14/24 16:32	03/15/24 12:55	1
m-Xylene & p-Xylene	<0.00396	U *1	0.00396	mg/Kg		03/14/24 16:32	03/15/24 12:55	1
o-Xylene	<0.00198	U *-	0.00198	mg/Kg		03/14/24 16:32	03/15/24 12:55	1
Xylenes, Total	<0.00396	U *- *1	0.00396	mg/Kg		03/14/24 16:32	03/15/24 12:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130			03/14/24 16:32	03/15/24 12:55	1
1,4-Difluorobenzene (Surr)	110		70 - 130			03/14/24 16:32	03/15/24 12:55	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			03/15/24 12:55	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			03/15/24 17:04	1

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Client Sample Results

Client: Ensolum
Project/Site: RASPBERRY STATE COM 001H

Job ID: 890-6345-1
SDG: 03D2024253

Client Sample ID: SS 33

Lab Sample ID: 890-6345-18

Date Collected: 03/12/24 10:51

Matrix: Solid

Date Received: 03/12/24 15:52

Sample Depth: 0 - 0.5'

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		03/14/24 13:13	03/15/24 17:04	1	
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3	mg/Kg		03/14/24 13:13	03/15/24 17:04	1	
Oil Range Organics (Over C28-C36)	<50.3	U	50.3	mg/Kg		03/14/24 13:13	03/15/24 17:04	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	107		70 - 130			03/14/24 13:13	03/15/24 17:04	1	
o-Terphenyl	84		70 - 130			03/14/24 13:13	03/15/24 17:04	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	468		4.95	mg/Kg			03/14/24 19:16	1	

Client Sample ID: SS 34

Lab Sample ID: 890-6345-19

Date Collected: 03/12/24 10:53

Matrix: Solid

Date Received: 03/12/24 15:52

Sample Depth: 0 - 0.5'

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00201	U *1	0.00201	mg/Kg		03/14/24 16:32	03/15/24 13:15	1	
Toluene	<0.00201	U *- *1	0.00201	mg/Kg		03/14/24 16:32	03/15/24 13:15	1	
Ethylbenzene	<0.00201	U *1	0.00201	mg/Kg		03/14/24 16:32	03/15/24 13:15	1	
m-Xylene & p-Xylene	<0.00402	U *1	0.00402	mg/Kg		03/14/24 16:32	03/15/24 13:15	1	
o-Xylene	<0.00201	U *-	0.00201	mg/Kg		03/14/24 16:32	03/15/24 13:15	1	
Xylenes, Total	<0.00402	U *- *1	0.00402	mg/Kg		03/14/24 16:32	03/15/24 13:15	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	109		70 - 130			03/14/24 16:32	03/15/24 13:15	1	
1,4-Difluorobenzene (Surr)	103		70 - 130			03/14/24 16:32	03/15/24 13:15	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			03/15/24 13:15	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<50.0	U	50.0	mg/Kg			03/15/24 17:25	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	<50.0	U	50.0	mg/Kg		03/14/24 13:13	03/15/24 17:25	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/14/24 13:13	03/15/24 17:25	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/14/24 13:13	03/15/24 17:25	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	112		70 - 130			03/14/24 13:13	03/15/24 17:25	1	
o-Terphenyl	90		70 - 130			03/14/24 13:13	03/15/24 17:25	1	

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Client Sample Results

Client: Ensolum
Project/Site: RASPBERRY STATE COM 001H

Job ID: 890-6345-1
SDG: 03D2024253

Client Sample ID: SS 34

Date Collected: 03/12/24 10:53
Date Received: 03/12/24 15:52
Sample Depth: 0 - 0.5'

Lab Sample ID: 890-6345-19

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	67.4		4.96	mg/Kg			03/14/24 19:21	1	

Client Sample ID: SS 35

Date Collected: 03/12/24 10:42
Date Received: 03/12/24 15:52
Sample Depth: 0 - 0.5'

Lab Sample ID: 890-6345-20

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00202	U *1	0.00202	mg/Kg		03/14/24 16:32	03/15/24 13:35	1	
Toluene	<0.00202	U *- *1	0.00202	mg/Kg		03/14/24 16:32	03/15/24 13:35	1	
Ethylbenzene	<0.00202	U *1	0.00202	mg/Kg		03/14/24 16:32	03/15/24 13:35	1	
m-Xylene & p-Xylene	<0.00403	U *1	0.00403	mg/Kg		03/14/24 16:32	03/15/24 13:35	1	
o-Xylene	<0.00202	U *-	0.00202	mg/Kg		03/14/24 16:32	03/15/24 13:35	1	
Xylenes, Total	<0.00403	U *- *1	0.00403	mg/Kg		03/14/24 16:32	03/15/24 13:35	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	101		70 - 130			03/14/24 16:32	03/15/24 13:35	1	
1,4-Difluorobenzene (Surr)	102		70 - 130			03/14/24 16:32	03/15/24 13:35	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			03/15/24 13:35	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			03/15/24 19:10	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 *- *1	49.7	mg/Kg		03/14/24 16:40	03/15/24 19:10	1	
Diesel Range Organics (Over C10-C28)	<49.7	U *- *1	49.7	mg/Kg		03/14/24 16:40	03/15/24 19:10	1	
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		03/14/24 16:40	03/15/24 19:10	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	103		70 - 130			03/14/24 16:40	03/15/24 19:10	1	
o-Terphenyl	83		70 - 130			03/14/24 16:40	03/15/24 19:10	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	95.0		4.97	mg/Kg			03/14/24 19:26	1	

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Client Sample Results

Client: Ensolum
Project/Site: RASPBERRY STATE COM 001H

Job ID: 890-6345-1
SDG: 03D2024253

Client Sample ID: SS 36

Lab Sample ID: 890-6345-21

Date Collected: 03/12/24 10:13

Matrix: Solid

Date Received: 03/12/24 15:52

Sample Depth: 0 - 0.5'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *1	0.00200	mg/Kg		03/14/24 16:32	03/15/24 13:56	1
Toluene	<0.00200	U *- *1	0.00200	mg/Kg		03/14/24 16:32	03/15/24 13:56	1
Ethylbenzene	<0.00200	U *1	0.00200	mg/Kg		03/14/24 16:32	03/15/24 13:56	1
m-Xylene & p-Xylene	<0.00400	U *1	0.00400	mg/Kg		03/14/24 16:32	03/15/24 13:56	1
o-Xylene	<0.00200	U *-	0.00200	mg/Kg		03/14/24 16:32	03/15/24 13:56	1
Xylenes, Total	<0.00400	U *- *1	0.00400	mg/Kg		03/14/24 16:32	03/15/24 13:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130			03/14/24 16:32	03/15/24 13:56	1
1,4-Difluorobenzene (Surr)	105		70 - 130			03/14/24 16:32	03/15/24 13:56	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			03/15/24 13:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	68.1		50.5	mg/Kg			03/15/24 20:13	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 *- *1	50.5	mg/Kg		03/14/24 16:40	03/15/24 20:13	1
Diesel Range Organics (Over C10-C28)	68.1	*- *1	50.5	mg/Kg		03/14/24 16:40	03/15/24 20:13	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5	mg/Kg		03/14/24 16:40	03/15/24 20:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130			03/14/24 16:40	03/15/24 20:13	1
o-Terphenyl	83		70 - 130			03/14/24 16:40	03/15/24 20:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	117		5.02	mg/Kg			03/14/24 23:48	1

Client Sample ID: SS 37

Lab Sample ID: 890-6345-22

Date Collected: 03/12/24 10:08

Matrix: Solid

Date Received: 03/12/24 15:52

Sample Depth: 0 - 0.5'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *1	0.00199	mg/Kg		03/14/24 16:32	03/15/24 14:16	1
Toluene	<0.00199	U *- *1	0.00199	mg/Kg		03/14/24 16:32	03/15/24 14:16	1
Ethylbenzene	<0.00199	U *1	0.00199	mg/Kg		03/14/24 16:32	03/15/24 14:16	1
m-Xylene & p-Xylene	<0.00398	U *1	0.00398	mg/Kg		03/14/24 16:32	03/15/24 14:16	1
o-Xylene	<0.00199	U *-	0.00199	mg/Kg		03/14/24 16:32	03/15/24 14:16	1
Xylenes, Total	<0.00398	U *- *1	0.00398	mg/Kg		03/14/24 16:32	03/15/24 14:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130			03/14/24 16:32	03/15/24 14:16	1

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Client Sample Results

Client: Ensolum
Project/Site: RASPBERRY STATE COM 001H

Job ID: 890-6345-1
SDG: 03D2024253

Client Sample ID: SS 37

Lab Sample ID: 890-6345-22

Date Collected: 03/12/24 10:08

Matrix: Solid

Date Received: 03/12/24 15:52

Sample Depth: 0 - 0.5'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	105		70 - 130	03/14/24 16:32	03/15/24 14:16	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			03/15/24 14:16	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	82.2		49.7	mg/Kg			03/15/24 20:34	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 *- *1	49.7	mg/Kg		03/14/24 16:40	03/15/24 20:34	1
Diesel Range Organics (Over C10-C28)	82.2	*- *1	49.7	mg/Kg		03/14/24 16:40	03/15/24 20:34	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		03/14/24 16:40	03/15/24 20:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130			03/14/24 16:40	03/15/24 20:34	1
o-Terphenyl	77		70 - 130			03/14/24 16:40	03/15/24 20:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	66.2		5.01	mg/Kg			03/15/24 00:04	1

Client Sample ID: SS 38

Lab Sample ID: 890-6345-23

Date Collected: 03/12/24 10:06

Matrix: Solid

Date Received: 03/12/24 15:52

Sample Depth: 0 - 0.5'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *1	0.00200	mg/Kg		03/14/24 16:32	03/15/24 14:37	1
Toluene	<0.00200	U *- *1	0.00200	mg/Kg		03/14/24 16:32	03/15/24 14:37	1
Ethylbenzene	<0.00200	U *1	0.00200	mg/Kg		03/14/24 16:32	03/15/24 14:37	1
m-Xylene & p-Xylene	<0.00399	U *1	0.00399	mg/Kg		03/14/24 16:32	03/15/24 14:37	1
o-Xylene	<0.00200	U *-	0.00200	mg/Kg		03/14/24 16:32	03/15/24 14:37	1
Xylenes, Total	<0.00399	U *- *1	0.00399	mg/Kg		03/14/24 16:32	03/15/24 14:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130			03/14/24 16:32	03/15/24 14:37	1
1,4-Difluorobenzene (Surr)	102		70 - 130			03/14/24 16:32	03/15/24 14:37	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			03/15/24 14:37	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	83.9		49.7	mg/Kg			03/15/24 20:55	1

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Client Sample Results

Client: Ensolum
Project/Site: RASPBERRY STATE COM 001H

Job ID: 890-6345-1
SDG: 03D2024253

Client Sample ID: SS 38

Lab Sample ID: 890-6345-23

Date Collected: 03/12/24 10:06

Matrix: Solid

Date Received: 03/12/24 15:52

Sample Depth: 0 - 0.5'

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 *- *1	49.7	mg/Kg		03/14/24 16:40	03/15/24 20:55	1	
Diesel Range Organics (Over C10-C28)	83.9	*- *1	49.7	mg/Kg		03/14/24 16:40	03/15/24 20:55	1	
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		03/14/24 16:40	03/15/24 20:55	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	103		70 - 130			03/14/24 16:40	03/15/24 20:55	1	
o-Terphenyl	81		70 - 130			03/14/24 16:40	03/15/24 20:55	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	156		5.05	mg/Kg			03/15/24 00:10	1	

Client Sample ID: SS 39

Lab Sample ID: 890-6345-24

Date Collected: 03/12/24 10:02

Matrix: Solid

Date Received: 03/12/24 15:52

Sample Depth: 0 - 0.5'

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00201	U *1	0.00201	mg/Kg		03/14/24 16:32	03/15/24 14:57	1	
Toluene	<0.00201	U *- *1	0.00201	mg/Kg		03/14/24 16:32	03/15/24 14:57	1	
Ethylbenzene	<0.00201	U *1	0.00201	mg/Kg		03/14/24 16:32	03/15/24 14:57	1	
m-Xylene & p-Xylene	<0.00402	U *1	0.00402	mg/Kg		03/14/24 16:32	03/15/24 14:57	1	
o-Xylene	<0.00201	U *-	0.00201	mg/Kg		03/14/24 16:32	03/15/24 14:57	1	
Xylenes, Total	<0.00402	U *- *1	0.00402	mg/Kg		03/14/24 16:32	03/15/24 14:57	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	112		70 - 130			03/14/24 16:32	03/15/24 14:57	1	
1,4-Difluorobenzene (Surr)	113		70 - 130			03/14/24 16:32	03/15/24 14:57	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			03/15/24 14:57	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	73.4		49.9	mg/Kg			03/15/24 21:15	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 *- *1	49.9	mg/Kg		03/14/24 16:40	03/15/24 21:15	1	
Diesel Range Organics (Over C10-C28)	73.4	*- *1	49.9	mg/Kg		03/14/24 16:40	03/15/24 21:15	1	
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/14/24 16:40	03/15/24 21:15	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	95		70 - 130			03/14/24 16:40	03/15/24 21:15	1	
o-Terphenyl	78		70 - 130			03/14/24 16:40	03/15/24 21:15	1	

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Client Sample Results

Client: Ensolum
Project/Site: RASPBERRY STATE COM 001H

Job ID: 890-6345-1
SDG: 03D2024253

Client Sample ID: SS 39

Lab Sample ID: 890-6345-24

Date Collected: 03/12/24 10:02

Matrix: Solid

Date Received: 03/12/24 15:52

Sample Depth: 0 - 0.5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	88.1		4.99	mg/Kg			03/15/24 00:15	1

Client Sample ID: SS 40

Lab Sample ID: 890-6345-25

Date Collected: 03/12/24 10:15

Matrix: Solid

Date Received: 03/12/24 15:52

Sample Depth: 0 - 0.5'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *1	0.00200	mg/Kg		03/14/24 16:32	03/15/24 15:18	1
Toluene	<0.00200	U *- *1	0.00200	mg/Kg		03/14/24 16:32	03/15/24 15:18	1
Ethylbenzene	<0.00200	U *1	0.00200	mg/Kg		03/14/24 16:32	03/15/24 15:18	1
m-Xylene & p-Xylene	<0.00401	U *1	0.00401	mg/Kg		03/14/24 16:32	03/15/24 15:18	1
o-Xylene	<0.00200	U *-	0.00200	mg/Kg		03/14/24 16:32	03/15/24 15:18	1
Xylenes, Total	<0.00401	U *- *1	0.00401	mg/Kg		03/14/24 16:32	03/15/24 15:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130			03/14/24 16:32	03/15/24 15:18	1
1,4-Difluorobenzene (Surr)	104		70 - 130			03/14/24 16:32	03/15/24 15:18	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			03/15/24 15:18	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/15/24 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	<50.0	U *- *1	50.0	mg/Kg		03/14/24 16:40	03/15/24 21:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U *- *1	50.0	mg/Kg		03/14/24 16:40	03/15/24 21:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/14/24 16:40	03/15/24 21:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130			03/14/24 16:40	03/15/24 21:36	1
o-Terphenyl	76		70 - 130			03/14/24 16:40	03/15/24 21:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	59.1		4.96	mg/Kg			03/15/24 00:20	1

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Client Sample Results

Client: Ensolum
Project/Site: RASPBERRY STATE COM 001H

Job ID: 890-6345-1
SDG: 03D2024253

Client Sample ID: SS 41

Lab Sample ID: 890-6345-26

Date Collected: 03/12/24 10:17

Matrix: Solid

Date Received: 03/12/24 15:52

Sample Depth: 0 - 0.5'

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00199	U *1	0.00199	mg/Kg		03/14/24 16:32	03/15/24 15:38	1	
Toluene	<0.00199	U *- *1	0.00199	mg/Kg		03/14/24 16:32	03/15/24 15:38	1	
Ethylbenzene	<0.00199	U *1	0.00199	mg/Kg		03/14/24 16:32	03/15/24 15:38	1	
m-Xylene & p-Xylene	<0.00398	U *1	0.00398	mg/Kg		03/14/24 16:32	03/15/24 15:38	1	
o-Xylene	<0.00199	U *-	0.00199	mg/Kg		03/14/24 16:32	03/15/24 15:38	1	
Xylenes, Total	<0.00398	U *- *1	0.00398	mg/Kg		03/14/24 16:32	03/15/24 15:38	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	119		70 - 130			03/14/24 16:32	03/15/24 15:38	1	
1,4-Difluorobenzene (Surr)	109		70 - 130			03/14/24 16:32	03/15/24 15:38	1	

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/15/24 15:38	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			03/15/24 21:57	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	<50.3	U *- *1	50.3	mg/Kg		03/14/24 16:42	03/15/24 21:57	1	
Diesel Range Organics (Over C10-C28)	<50.3	U *- *1	50.3	mg/Kg		03/14/24 16:42	03/15/24 21:57	1	
Oil Range Organics (Over C28-C36)	<50.3	U	50.3	mg/Kg		03/14/24 16:42	03/15/24 21:57	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	95		70 - 130			03/14/24 16:42	03/15/24 21:57	1	
o-Terphenyl	75		70 - 130			03/14/24 16:42	03/15/24 21:57	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	67.2		4.97	mg/Kg			03/15/24 00:36	1	

Client Sample ID: SS 42

Lab Sample ID: 890-6345-27

Date Collected: 03/12/24 10:20

Matrix: Solid

Date Received: 03/12/24 15:52

Sample Depth: 0 - 0.5'

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00200	U *1	0.00200	mg/Kg		03/14/24 16:32	03/15/24 17:29	1	
Toluene	<0.00200	U *- *1	0.00200	mg/Kg		03/14/24 16:32	03/15/24 17:29	1	
Ethylbenzene	<0.00200	U *1	0.00200	mg/Kg		03/14/24 16:32	03/15/24 17:29	1	
m-Xylene & p-Xylene	<0.00401	U *1	0.00401	mg/Kg		03/14/24 16:32	03/15/24 17:29	1	
o-Xylene	<0.00200	U *-	0.00200	mg/Kg		03/14/24 16:32	03/15/24 17:29	1	
Xylenes, Total	<0.00401	U *- *1	0.00401	mg/Kg		03/14/24 16:32	03/15/24 17:29	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	89		70 - 130			03/14/24 16:32	03/15/24 17:29	1	

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Client Sample Results

Client: Ensolum
Project/Site: RASPBERRY STATE COM 001H

Job ID: 890-6345-1
SDG: 03D2024253

Client Sample ID: SS 42
Date Collected: 03/12/24 10:20
Date Received: 03/12/24 15:52
Sample Depth: 0 - 0.5'

Lab Sample ID: 890-6345-27
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			03/14/24 16:32	03/15/24 17:29	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			03/15/24 17:29	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			03/15/24 22:18	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	<50.1	U *- *1	50.1	mg/Kg		03/14/24 16:42	03/15/24 22:18	1	
Diesel Range Organics (Over C10-C28)	<50.1	U *- *1	50.1	mg/Kg		03/14/24 16:42	03/15/24 22:18	1	
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		03/14/24 16:42	03/15/24 22:18	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	93		70 - 130			03/14/24 16:42	03/15/24 22:18	1	
o-Terphenyl	76		70 - 130			03/14/24 16:42	03/15/24 22:18	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	105		4.96	mg/Kg			03/15/24 00:42	1	

Surrogate Summary

Client: Ensolum
Project/Site: RASPBERRY STATE COM 001H

Job ID: 890-6345-1
SDG: 03D2024253

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

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
890-6345-1	SS 16	88	80				
890-6345-2	SS 17	86	79				
890-6345-3	SS 18	88	81				
890-6345-4	SS 19	92	77				
890-6345-5	SS 20	91	75				
890-6345-6	SS 21	92	81				
890-6345-7	SS 22	92	82				
890-6345-8	SS 23	100	78				
890-6345-9	SS 24	99	78				
890-6345-10	SS 25	91	80				
890-6345-11	SS 26	94	78				
890-6345-12	SS 27	96	77				
890-6345-13	SS 28	100	73				
890-6345-14	SS 29	99	76				
890-6345-15	SS 30	98	73				
890-6345-16	SS 31	96	70				
890-6345-17	SS 32	89	100				
890-6345-17 MS	SS 32	116	97				
890-6345-17 MSD	SS 32	109	98				
890-6345-18	SS 33	112	110				
890-6345-19	SS 34	109	103				
890-6345-20	SS 35	101	102				
890-6345-21	SS 36	106	105				
890-6345-22	SS 37	105	105				
890-6345-23	SS 38	120	102				
890-6345-24	SS 39	112	113				
890-6345-25	SS 40	113	104				
890-6345-26	SS 41	119	109				
890-6345-27	SS 42	89	106				
890-6352-A-1-F MS	Matrix Spike	108	97				
890-6352-A-1-G MSD	Matrix Spike Duplicate	109	98				
LCS 880-75630/1-A	Lab Control Sample	114	101				
LCS 880-75646/1-A	Lab Control Sample	100	106				
LCSD 880-75630/2-A	Lab Control Sample Dup	117	100				
LCSD 880-75646/2-A	Lab Control Sample Dup	105	102				
MB 880-75630/5-A	Method Blank	84	82				
MB 880-75646/5-A	Method Blank	124	126				
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	OTPH1				
		(70-130)	(70-130)				
890-6345-1	SS 16	120	94				
890-6345-1 MS	SS 16	104	72				

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Surrogate Summary

Client: Ensolum
Project/Site: RASPBERRY STATE COM 001H

Job ID: 890-6345-1
SDG: 03D2024253

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)
890-6345-1 MSD	SS 16	107	73
890-6345-2	SS 17	114	93
890-6345-3	SS 18	105	79
890-6345-4	SS 19	119	94
890-6345-5	SS 20	100	81
890-6345-6	SS 21	105	81
890-6345-7	SS 22	100	81
890-6345-8	SS 23	103	84
890-6345-9	SS 24	112	87
890-6345-10	SS 25	106	88
890-6345-11	SS 26	120	94
890-6345-12	SS 27	103	82
890-6345-13	SS 28	101	81
890-6345-14	SS 29	111	88
890-6345-15	SS 30	108	84
890-6345-16	SS 31	102	83
890-6345-17	SS 32	103	83
890-6345-18	SS 33	107	84
890-6345-19	SS 34	112	90
890-6345-20	SS 35	103	83
890-6345-20 MS	SS 35	104	71
890-6345-20 MSD	SS 35	97	71
890-6345-21	SS 36	101	83
890-6345-22	SS 37	96	77
890-6345-23	SS 38	103	81
890-6345-24	SS 39	95	78
890-6345-25	SS 40	98	76
890-6345-26	SS 41	95	75
890-6345-27	SS 42	93	76
LCS 880-75608/2-A	Lab Control Sample	102	106
LCS 880-75647/2-A	Lab Control Sample	26 S1-	22 S1-
LCSD 880-75608/3-A	Lab Control Sample Dup	120	113
LCSD 880-75647/3-A	Lab Control Sample Dup	91	90
MB 880-75608/1-A	Method Blank	169 S1+	149 S1+
MB 880-75647/1-A	Method Blank	168 S1+	152 S1+

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum
Project/Site: RASPBERRY STATE COM 001H

Job ID: 890-6345-1
SDG: 03D2024253

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-75630/5-A						Client Sample ID: Method Blank			
Matrix: Solid						Prep Type: Total/NA			
Analysis Batch: 75668						Prep Batch: 75630			
Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00200	U	0.00200	mg/Kg		03/14/24 14:42	03/15/24 11:39	1	
Toluene	<0.00200	U	0.00200	mg/Kg		03/14/24 14:42	03/15/24 11:39	1	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/14/24 14:42	03/15/24 11:39	1	
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/14/24 14:42	03/15/24 11:39	1	
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/14/24 14:42	03/15/24 11:39	1	
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/14/24 14:42	03/15/24 11:39	1	
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	84		70 - 130			03/14/24 14:42	03/15/24 11:39	1	
1,4-Difluorobenzene (Surr)	82		70 - 130			03/14/24 14:42	03/15/24 11:39	1	

Lab Sample ID: LCS 880-75630/1-A					Client Sample ID: Lab Control Sample				
Matrix: Solid					Prep Type: Total/NA				
Analysis Batch: 75668					Prep Batch: 75630				
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec		
							Limits		
Benzene	0.100	0.08072		mg/Kg		81	70 - 130		
Toluene	0.100	0.07484		mg/Kg		75	70 - 130		
Ethylbenzene	0.100	0.08432		mg/Kg		84	70 - 130		
m-Xylene & p-Xylene	0.200	0.1693		mg/Kg		85	70 - 130		
o-Xylene	0.100	0.08854		mg/Kg		89	70 - 130		
		LCS	LCS						
Surrogate	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene (Surr)	114		70 - 130						
1,4-Difluorobenzene (Surr)	101		70 - 130						

Lab Sample ID: LCSD 880-75630/2-A					Client Sample ID: Lab Control Sample Dup						
Matrix: Solid					Prep Type: Total/NA						
Analysis Batch: 75668					Prep Batch: 75630						
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD		
							Limits	RPD	Limit		
Benzene	0.100	0.08051		mg/Kg		81	70 - 130	0	35		
Toluene	0.100	0.07674		mg/Kg		77	70 - 130	3	35		
Ethylbenzene	0.100	0.08612		mg/Kg		86	70 - 130	2	35		
m-Xylene & p-Xylene	0.200	0.1719		mg/Kg		86	70 - 130	1	35		
o-Xylene	0.100	0.08933		mg/Kg		89	70 - 130	1	35		
		LCSD	LCSD								
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	117		70 - 130								
1,4-Difluorobenzene (Surr)	100		70 - 130								

Lab Sample ID: 890-6352-A-1-F MS						Client Sample ID: Matrix Spike			
Matrix: Solid						Prep Type: Total/NA			
Analysis Batch: 75668						Prep Batch: 75630			
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0996	0.09764		mg/Kg		98	70 - 130
Toluene	<0.00199	U	0.0996	0.09180		mg/Kg		92	70 - 130

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QC Sample Results

Client: Ensolum
Project/Site: RASPBERRY STATE COM 001H

Job ID: 890-6345-1
SDG: 03D2024253

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

Lab Sample ID: 890-6352-A-1-F MS
Matrix: Solid
Analysis Batch: 75668

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 75630

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U	0.0996	0.1019		mg/Kg		102	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1986		mg/Kg		100	70 - 130
o-Xylene	<0.00199	U	0.0996	0.1001		mg/Kg		101	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	108		70 - 130						
1,4-Difluorobenzene (Surr)	97		70 - 130						

Lab Sample ID: 890-6352-A-1-G MSD
Matrix: Solid
Analysis Batch: 75668

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 75630

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.08935		mg/Kg		89	70 - 130	9	35
Toluene	<0.00199	U	0.100	0.08177		mg/Kg		82	70 - 130	12	35
Ethylbenzene	<0.00199	U	0.100	0.08934		mg/Kg		89	70 - 130	13	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1749		mg/Kg		87	70 - 130	13	35
o-Xylene	<0.00199	U	0.100	0.08799		mg/Kg		88	70 - 130	13	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	109		70 - 130								
1,4-Difluorobenzene (Surr)	98		70 - 130								

Lab Sample ID: MB 880-75646/5-A
Matrix: Solid
Analysis Batch: 75669

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 75646

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/14/24 16:32	03/15/24 12:05	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/14/24 16:32	03/15/24 12:05	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/14/24 16:32	03/15/24 12:05	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/14/24 16:32	03/15/24 12:05	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/14/24 16:32	03/15/24 12:05	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/14/24 16:32	03/15/24 12:05	1
Surrogate	MB %Recovery	MB Qualifier	Limits					
4-Bromofluorobenzene (Surr)	124		70 - 130					
1,4-Difluorobenzene (Surr)	126		70 - 130					

Lab Sample ID: LCS 880-75646/1-A
Matrix: Solid
Analysis Batch: 75669

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 75646

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1174		mg/Kg		117	70 - 130
Toluene	0.100	0.1174		mg/Kg		117	70 - 130
Ethylbenzene	0.100	0.1278		mg/Kg		128	70 - 130
m-Xylene & p-Xylene	0.200	0.2537		mg/Kg		127	70 - 130

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QC Sample Results

Client: Ensolum
Project/Site: RASPBERRY STATE COM 001H

Job ID: 890-6345-1
SDG: 03D2024253

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

Lab Sample ID: LCS 880-75646/1-A

Matrix: Solid

Analysis Batch: 75669

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 75646

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.08144		mg/Kg		81	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	100		70 - 130				
1,4-Difluorobenzene (Surr)	106		70 - 130				

Lab Sample ID: LCSD 880-75646/2-A

Matrix: Solid

Analysis Batch: 75669

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 75646

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.07806	*1	mg/Kg		78	70 - 130	40	35
Toluene	0.100	0.06733	*- *1	mg/Kg		67	70 - 130	54	35
Ethylbenzene	0.100	0.07618	*1	mg/Kg		76	70 - 130	51	35
m-Xylene & p-Xylene	0.200	0.1404	*1	mg/Kg		70	70 - 130	58	35
o-Xylene	0.100	0.06604	*-	mg/Kg		66	70 - 130	21	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	105		70 - 130						
1,4-Difluorobenzene (Surr)	102		70 - 130						

Lab Sample ID: 890-6345-17 MS

Matrix: Solid

Analysis Batch: 75669

Client Sample ID: SS 32

Prep Type: Total/NA

Prep Batch: 75646

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U *1	0.0996	0.1187		mg/Kg		119	70 - 130
Toluene	<0.00199	U *- *1	0.0996	0.1057		mg/Kg		106	70 - 130
Ethylbenzene	<0.00199	U *1	0.0996	0.1089		mg/Kg		109	70 - 130
m-Xylene & p-Xylene	<0.00398	U *1	0.199	0.2062		mg/Kg		104	70 - 130
o-Xylene	<0.00199	U *-	0.0996	0.1004		mg/Kg		101	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	116		70 - 130						
1,4-Difluorobenzene (Surr)	97		70 - 130						

Lab Sample ID: 890-6345-17 MSD

Matrix: Solid

Analysis Batch: 75669

Client Sample ID: SS 32

Prep Type: Total/NA

Prep Batch: 75646

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U *1	0.100	0.1141		mg/Kg		114	70 - 130	4	35
Toluene	<0.00199	U *- *1	0.100	0.1020		mg/Kg		102	70 - 130	4	35
Ethylbenzene	<0.00199	U *1	0.100	0.1039		mg/Kg		104	70 - 130	5	35
m-Xylene & p-Xylene	<0.00398	U *1	0.200	0.1888		mg/Kg		94	70 - 130	9	35
o-Xylene	<0.00199	U *-	0.100	0.1044		mg/Kg		104	70 - 130	4	35

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QC Sample Results

Client: Ensolum
Project/Site: RASPBERRY STATE COM 001H

Job ID: 890-6345-1
SDG: 03D2024253

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

Lab Sample ID: 890-6345-17 MSD				Client Sample ID: SS 32			
Matrix: Solid				Prep Type: Total/NA			
Analysis Batch: 75669				Prep Batch: 75646			
	MSD	MSD					
Surrogate	%Recovery	Qualifier	Limits				
4-Bromofluorobenzene (Surr)	109		70 - 130				
1,4-Difluorobenzene (Surr)	98		70 - 130				

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

Lab Sample ID: MB 880-75608/1-A						Client Sample ID: Method Blank			
Matrix: Solid						Prep Type: Total/NA			
Analysis Batch: 75655						Prep Batch: 75608			
	MB	MB							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/14/24 13:13	03/15/24 07:04	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/14/24 13:13	03/15/24 07:04	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/14/24 13:13	03/15/24 07:04	1	
	MB	MB							
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	169	S1+	70 - 130			03/14/24 13:13	03/15/24 07:04	1	
o-Terphenyl	149	S1+	70 - 130			03/14/24 13:13	03/15/24 07:04	1	

Lab Sample ID: LCS 880-75608/2-A					Client Sample ID: Lab Control Sample				
Matrix: Solid					Prep Type: Total/NA				
Analysis Batch: 75655					Prep Batch: 75608				
Analyte			Spike	LCS	LCS			%Rec	
			Added	Result	Qualifier	Unit	D	%Rec	Limits
Gasoline Range Organics (GRO)-C6-C10			1000	1173		mg/Kg		117	70 - 130
Diesel Range Organics (Over C10-C28)			1000	1165		mg/Kg		116	70 - 130

Lab Sample ID: LCSD 880-75608/3-A						Client Sample ID: Lab Control Sample Dup					
Matrix: Solid						Prep Type: Total/NA					
Analysis Batch: 75655						Prep Batch: 75608					
			Spike	LCSD	LCSD				%Rec	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1155		mg/Kg		115	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	1242		mg/Kg		124	70 - 130	6	20
			LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	120		70 - 130								
o-Terphenyl	113		70 - 130								

QC Sample Results

Client: Ensolum
Project/Site: RASPBERRY STATE COM 001H

Job ID: 890-6345-1
SDG: 03D2024253

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

Lab Sample ID: 890-6345-1 MS

Matrix: Solid

Analysis Batch: 75655

Client Sample ID: SS 16

Prep Type: Total/NA

Prep Batch: 75608

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	1267		mg/Kg		123	70 - 130		
Diesel Range Organics (Over C10-C28)	300		999	1101		mg/Kg		80	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	104		70 - 130								
o-Terphenyl	72		70 - 130								

Lab Sample ID: 890-6345-1 MSD

Matrix: Solid

Analysis Batch: 75655

Client Sample ID: SS 16

Prep Type: Total/NA

Prep Batch: 75608

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	1300		mg/Kg		127	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	300		999	1149		mg/Kg		85	70 - 130	4	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	107		70 - 130								
o-Terphenyl	73		70 - 130								

Lab Sample ID: MB 880-75647/1-A

Matrix: Solid

Analysis Batch: 75655

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 75647

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/14/24 16:40	03/15/24 18:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/14/24 16:40	03/15/24 18:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/14/24 16:40	03/15/24 18:07	1
Surrogate	MB MB		Limits			Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier						
1-Chlorooctane	168	S1+	70 - 130			03/14/24 16:40	03/15/24 18:07	1
o-Terphenyl	152	S1+	70 - 130			03/14/24 16:40	03/15/24 18:07	1

Lab Sample ID: LCS 880-75647/2-A

Matrix: Solid

Analysis Batch: 75655

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 75647

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
	Added	Result	Qualifier				Limits
Gasoline Range Organics (GRO)-C6-C10	1000	370.8	*-	mg/Kg		37	70 - 130
Diesel Range Organics (Over C10-C28)	1000	254.1	*-	mg/Kg		25	70 - 130

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QC Sample Results

Client: Ensolum
Project/Site: RASPBERRY STATE COM 001H

Job ID: 890-6345-1
SDG: 03D2024253

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

Lab Sample ID: LCS 880-75647/2-A
Matrix: Solid
Analysis Batch: 75655

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 75647

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	26	S1-	70 - 130
o-Terphenyl	22	S1-	70 - 130

Lab Sample ID: LCSD 880-75647/3-A
Matrix: Solid
Analysis Batch: 75655

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 75647

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	801.2	*1	mg/Kg		80	70 - 130	73	20
Diesel Range Organics (Over C10-C28)	1000	978.1	*1	mg/Kg		98	70 - 130	118	20
Surrogate		LCSD %Recovery	LCSD Qualifier	Limits					
1-Chlorooctane		91		70 - 130					
o-Terphenyl		90		70 - 130					

Lab Sample ID: 890-6345-20 MS
Matrix: Solid
Analysis Batch: 75655

Client Sample ID: SS 35
Prep Type: Total/NA
Prep Batch: 75647

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.7	U *- *1	1010	931.2		mg/Kg		91	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.7	U *- *1	1010	1217		mg/Kg		121	70 - 130		
Surrogate		MS %Recovery	MS Qualifier	Limits							
1-Chlorooctane		104		70 - 130							
o-Terphenyl		71		70 - 130							

Lab Sample ID: 890-6345-20 MSD
Matrix: Solid
Analysis Batch: 75655

Client Sample ID: SS 35
Prep Type: Total/NA
Prep Batch: 75647

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 *- *1	1010	866.5		mg/Kg		84	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	<49.7	U *- *1	1010	1165		mg/Kg		116	70 - 130	4	20
Surrogate		MSD %Recovery	MSD Qualifier	Limits							
1-Chlorooctane		97		70 - 130							
o-Terphenyl		71		70 - 130							

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QC Sample Results

Client: Ensolum
Project/Site: RASPBERRY STATE COM 001H

Job ID: 890-6345-1
SDG: 03D2024253

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-75561/1-A

Matrix: Solid

Analysis Batch: 75642

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			03/14/24 17:34	1

Lab Sample ID: LCS 880-75561/2-A

Matrix: Solid

Analysis Batch: 75642

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	246.6		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-75561/3-A

Matrix: Solid

Analysis Batch: 75642

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	246.3		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 890-6345-1 MS

Matrix: Solid

Analysis Batch: 75642

Client Sample ID: SS 16

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	127		251	403.3		mg/Kg		110	90 - 110

Lab Sample ID: 890-6345-1 MSD

Matrix: Solid

Analysis Batch: 75642

Client Sample ID: SS 16

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	127		251	403.3		mg/Kg		110	90 - 110	0	20

Lab Sample ID: 890-6345-11 MS

Matrix: Solid

Analysis Batch: 75642

Client Sample ID: SS 26

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	83.2	F1	253	72.17	F1	mg/Kg		-4	90 - 110

Lab Sample ID: 890-6345-11 MSD

Matrix: Solid

Analysis Batch: 75642

Client Sample ID: SS 26

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	83.2	F1	253	88.33	F1	mg/Kg		2	90 - 110	20	20

Lab Sample ID: MB 880-75564/1-A

Matrix: Solid

Analysis Batch: 75645

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			03/14/24 23:32	1

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QC Sample Results

Client: Ensolum
Project/Site: RASPBERRY STATE COM 001H

Job ID: 890-6345-1
SDG: 03D2024253

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-75564/2-A						Client Sample ID: Lab Control Sample					
Matrix: Solid						Prep Type: Soluble					
Analysis Batch: 75645											
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	249.0		mg/Kg		100	90 - 110		

Lab Sample ID: LCSD 880-75564/3-A						Client Sample ID: Lab Control Sample Dup					
Matrix: Solid						Prep Type: Soluble					
Analysis Batch: 75645											
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	249.4		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 890-6345-21 MS						Client Sample ID: SS 36					
Matrix: Solid						Prep Type: Soluble					
Analysis Batch: 75645											
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	117		251	364.2		mg/Kg		98	90 - 110		

Lab Sample ID: 890-6345-21 MSD						Client Sample ID: SS 36					
Matrix: Solid						Prep Type: Soluble					
Analysis Batch: 75645											
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	117		251	358.0		mg/Kg		96	90 - 110	2	20

QC Association Summary

Client: Ensolum
Project/Site: RASPBERRY STATE COM 001H

Job ID: 890-6345-1
SDG: 03D2024253

GC VOA

Prep Batch: 75630

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6345-1	SS 16	Total/NA	Solid	5035	
890-6345-2	SS 17	Total/NA	Solid	5035	
890-6345-3	SS 18	Total/NA	Solid	5035	
890-6345-4	SS 19	Total/NA	Solid	5035	
890-6345-5	SS 20	Total/NA	Solid	5035	
890-6345-6	SS 21	Total/NA	Solid	5035	
890-6345-7	SS 22	Total/NA	Solid	5035	
890-6345-8	SS 23	Total/NA	Solid	5035	
890-6345-9	SS 24	Total/NA	Solid	5035	
890-6345-10	SS 25	Total/NA	Solid	5035	
890-6345-11	SS 26	Total/NA	Solid	5035	
890-6345-12	SS 27	Total/NA	Solid	5035	
890-6345-13	SS 28	Total/NA	Solid	5035	
890-6345-14	SS 29	Total/NA	Solid	5035	
890-6345-15	SS 30	Total/NA	Solid	5035	
890-6345-16	SS 31	Total/NA	Solid	5035	
MB 880-75630/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-75630/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-75630/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-6352-A-1-F MS	Matrix Spike	Total/NA	Solid	5035	
890-6352-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 75646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6345-17	SS 32	Total/NA	Solid	5035	
890-6345-18	SS 33	Total/NA	Solid	5035	
890-6345-19	SS 34	Total/NA	Solid	5035	
890-6345-20	SS 35	Total/NA	Solid	5035	
890-6345-21	SS 36	Total/NA	Solid	5035	
890-6345-22	SS 37	Total/NA	Solid	5035	
890-6345-23	SS 38	Total/NA	Solid	5035	
890-6345-24	SS 39	Total/NA	Solid	5035	
890-6345-25	SS 40	Total/NA	Solid	5035	
890-6345-26	SS 41	Total/NA	Solid	5035	
890-6345-27	SS 42	Total/NA	Solid	5035	
MB 880-75646/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-75646/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-75646/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-6345-17 MS	SS 32	Total/NA	Solid	5035	
890-6345-17 MSD	SS 32	Total/NA	Solid	5035	

Analysis Batch: 75668

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6345-1	SS 16	Total/NA	Solid	8021B	75630
890-6345-2	SS 17	Total/NA	Solid	8021B	75630
890-6345-3	SS 18	Total/NA	Solid	8021B	75630
890-6345-4	SS 19	Total/NA	Solid	8021B	75630
890-6345-5	SS 20	Total/NA	Solid	8021B	75630
890-6345-6	SS 21	Total/NA	Solid	8021B	75630
890-6345-7	SS 22	Total/NA	Solid	8021B	75630
890-6345-8	SS 23	Total/NA	Solid	8021B	75630

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QC Association Summary

Client: Ensolum
Project/Site: RASPBERRY STATE COM 001H

Job ID: 890-6345-1
SDG: 03D2024253

GC VOA (Continued)

Analysis Batch: 75668 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6345-9	SS 24	Total/NA	Solid	8021B	75630
890-6345-10	SS 25	Total/NA	Solid	8021B	75630
890-6345-11	SS 26	Total/NA	Solid	8021B	75630
890-6345-12	SS 27	Total/NA	Solid	8021B	75630
890-6345-13	SS 28	Total/NA	Solid	8021B	75630
890-6345-14	SS 29	Total/NA	Solid	8021B	75630
890-6345-15	SS 30	Total/NA	Solid	8021B	75630
890-6345-16	SS 31	Total/NA	Solid	8021B	75630
MB 880-75630/5-A	Method Blank	Total/NA	Solid	8021B	75630
LCS 880-75630/1-A	Lab Control Sample	Total/NA	Solid	8021B	75630
LCSD 880-75630/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	75630
890-6352-A-1-F MS	Matrix Spike	Total/NA	Solid	8021B	75630
890-6352-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	75630

Analysis Batch: 75669

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6345-17	SS 32	Total/NA	Solid	8021B	75646
890-6345-18	SS 33	Total/NA	Solid	8021B	75646
890-6345-19	SS 34	Total/NA	Solid	8021B	75646
890-6345-20	SS 35	Total/NA	Solid	8021B	75646
890-6345-21	SS 36	Total/NA	Solid	8021B	75646
890-6345-22	SS 37	Total/NA	Solid	8021B	75646
890-6345-23	SS 38	Total/NA	Solid	8021B	75646
890-6345-24	SS 39	Total/NA	Solid	8021B	75646
890-6345-25	SS 40	Total/NA	Solid	8021B	75646
890-6345-26	SS 41	Total/NA	Solid	8021B	75646
890-6345-27	SS 42	Total/NA	Solid	8021B	75646
MB 880-75646/5-A	Method Blank	Total/NA	Solid	8021B	75646
LCS 880-75646/1-A	Lab Control Sample	Total/NA	Solid	8021B	75646
LCSD 880-75646/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	75646
890-6345-17 MS	SS 32	Total/NA	Solid	8021B	75646
890-6345-17 MSD	SS 32	Total/NA	Solid	8021B	75646

Analysis Batch: 75830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6345-1	SS 16	Total/NA	Solid	Total BTEX	
890-6345-2	SS 17	Total/NA	Solid	Total BTEX	
890-6345-3	SS 18	Total/NA	Solid	Total BTEX	
890-6345-4	SS 19	Total/NA	Solid	Total BTEX	
890-6345-5	SS 20	Total/NA	Solid	Total BTEX	
890-6345-6	SS 21	Total/NA	Solid	Total BTEX	
890-6345-7	SS 22	Total/NA	Solid	Total BTEX	
890-6345-8	SS 23	Total/NA	Solid	Total BTEX	
890-6345-9	SS 24	Total/NA	Solid	Total BTEX	
890-6345-10	SS 25	Total/NA	Solid	Total BTEX	
890-6345-11	SS 26	Total/NA	Solid	Total BTEX	
890-6345-12	SS 27	Total/NA	Solid	Total BTEX	
890-6345-13	SS 28	Total/NA	Solid	Total BTEX	
890-6345-14	SS 29	Total/NA	Solid	Total BTEX	
890-6345-15	SS 30	Total/NA	Solid	Total BTEX	
890-6345-16	SS 31	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Ensolum
Project/Site: RASPBERRY STATE COM 001H

Job ID: 890-6345-1
SDG: 03D2024253

GC VOA (Continued)

Analysis Batch: 75830 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6345-17	SS 32	Total/NA	Solid	Total BTEX	
890-6345-18	SS 33	Total/NA	Solid	Total BTEX	
890-6345-19	SS 34	Total/NA	Solid	Total BTEX	
890-6345-20	SS 35	Total/NA	Solid	Total BTEX	
890-6345-21	SS 36	Total/NA	Solid	Total BTEX	
890-6345-22	SS 37	Total/NA	Solid	Total BTEX	
890-6345-23	SS 38	Total/NA	Solid	Total BTEX	
890-6345-24	SS 39	Total/NA	Solid	Total BTEX	
890-6345-25	SS 40	Total/NA	Solid	Total BTEX	
890-6345-26	SS 41	Total/NA	Solid	Total BTEX	
890-6345-27	SS 42	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 75608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6345-1	SS 16	Total/NA	Solid	8015NM Prep	
890-6345-2	SS 17	Total/NA	Solid	8015NM Prep	
890-6345-3	SS 18	Total/NA	Solid	8015NM Prep	
890-6345-4	SS 19	Total/NA	Solid	8015NM Prep	
890-6345-5	SS 20	Total/NA	Solid	8015NM Prep	
890-6345-6	SS 21	Total/NA	Solid	8015NM Prep	
890-6345-7	SS 22	Total/NA	Solid	8015NM Prep	
890-6345-8	SS 23	Total/NA	Solid	8015NM Prep	
890-6345-9	SS 24	Total/NA	Solid	8015NM Prep	
890-6345-10	SS 25	Total/NA	Solid	8015NM Prep	
890-6345-11	SS 26	Total/NA	Solid	8015NM Prep	
890-6345-12	SS 27	Total/NA	Solid	8015NM Prep	
890-6345-13	SS 28	Total/NA	Solid	8015NM Prep	
890-6345-14	SS 29	Total/NA	Solid	8015NM Prep	
890-6345-15	SS 30	Total/NA	Solid	8015NM Prep	
890-6345-16	SS 31	Total/NA	Solid	8015NM Prep	
890-6345-17	SS 32	Total/NA	Solid	8015NM Prep	
890-6345-18	SS 33	Total/NA	Solid	8015NM Prep	
890-6345-19	SS 34	Total/NA	Solid	8015NM Prep	
MB 880-75608/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-75608/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-75608/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6345-1 MS	SS 16	Total/NA	Solid	8015NM Prep	
890-6345-1 MSD	SS 16	Total/NA	Solid	8015NM Prep	

Prep Batch: 75647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6345-20	SS 35	Total/NA	Solid	8015NM Prep	
890-6345-21	SS 36	Total/NA	Solid	8015NM Prep	
890-6345-22	SS 37	Total/NA	Solid	8015NM Prep	
890-6345-23	SS 38	Total/NA	Solid	8015NM Prep	
890-6345-24	SS 39	Total/NA	Solid	8015NM Prep	
890-6345-25	SS 40	Total/NA	Solid	8015NM Prep	
890-6345-26	SS 41	Total/NA	Solid	8015NM Prep	
890-6345-27	SS 42	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Ensolum
Project/Site: RASPBERRY STATE COM 001H

Job ID: 890-6345-1
SDG: 03D2024253

GC Semi VOA (Continued)

Prep Batch: 75647 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-75647/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-75647/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-75647/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6345-20 MS	SS 35	Total/NA	Solid	8015NM Prep	
890-6345-20 MSD	SS 35	Total/NA	Solid	8015NM Prep	

Analysis Batch: 75655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6345-1	SS 16	Total/NA	Solid	8015B NM	75608
890-6345-2	SS 17	Total/NA	Solid	8015B NM	75608
890-6345-3	SS 18	Total/NA	Solid	8015B NM	75608
890-6345-4	SS 19	Total/NA	Solid	8015B NM	75608
890-6345-5	SS 20	Total/NA	Solid	8015B NM	75608
890-6345-6	SS 21	Total/NA	Solid	8015B NM	75608
890-6345-7	SS 22	Total/NA	Solid	8015B NM	75608
890-6345-8	SS 23	Total/NA	Solid	8015B NM	75608
890-6345-9	SS 24	Total/NA	Solid	8015B NM	75608
890-6345-10	SS 25	Total/NA	Solid	8015B NM	75608
890-6345-11	SS 26	Total/NA	Solid	8015B NM	75608
890-6345-12	SS 27	Total/NA	Solid	8015B NM	75608
890-6345-13	SS 28	Total/NA	Solid	8015B NM	75608
890-6345-14	SS 29	Total/NA	Solid	8015B NM	75608
890-6345-15	SS 30	Total/NA	Solid	8015B NM	75608
890-6345-16	SS 31	Total/NA	Solid	8015B NM	75608
890-6345-17	SS 32	Total/NA	Solid	8015B NM	75608
890-6345-18	SS 33	Total/NA	Solid	8015B NM	75608
890-6345-19	SS 34	Total/NA	Solid	8015B NM	75608
890-6345-20	SS 35	Total/NA	Solid	8015B NM	75647
890-6345-21	SS 36	Total/NA	Solid	8015B NM	75647
890-6345-22	SS 37	Total/NA	Solid	8015B NM	75647
890-6345-23	SS 38	Total/NA	Solid	8015B NM	75647
890-6345-24	SS 39	Total/NA	Solid	8015B NM	75647
890-6345-25	SS 40	Total/NA	Solid	8015B NM	75647
890-6345-26	SS 41	Total/NA	Solid	8015B NM	75647
890-6345-27	SS 42	Total/NA	Solid	8015B NM	75647
MB 880-75608/1-A	Method Blank	Total/NA	Solid	8015B NM	75608
MB 880-75647/1-A	Method Blank	Total/NA	Solid	8015B NM	75647
LCS 880-75608/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	75608
LCS 880-75647/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	75647
LCSD 880-75608/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	75608
LCSD 880-75647/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	75647
890-6345-1 MS	SS 16	Total/NA	Solid	8015B NM	75608
890-6345-1 MSD	SS 16	Total/NA	Solid	8015B NM	75608
890-6345-20 MS	SS 35	Total/NA	Solid	8015B NM	75647
890-6345-20 MSD	SS 35	Total/NA	Solid	8015B NM	75647

Analysis Batch: 75890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6345-1	SS 16	Total/NA	Solid	8015 NM	
890-6345-2	SS 17	Total/NA	Solid	8015 NM	
890-6345-3	SS 18	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Ensolum
Project/Site: RASPBERRY STATE COM 001H

Job ID: 890-6345-1
SDG: 03D2024253

GC Semi VOA (Continued)

Analysis Batch: 75890 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6345-4	SS 19	Total/NA	Solid	8015 NM	
890-6345-5	SS 20	Total/NA	Solid	8015 NM	
890-6345-6	SS 21	Total/NA	Solid	8015 NM	
890-6345-7	SS 22	Total/NA	Solid	8015 NM	
890-6345-8	SS 23	Total/NA	Solid	8015 NM	
890-6345-9	SS 24	Total/NA	Solid	8015 NM	
890-6345-10	SS 25	Total/NA	Solid	8015 NM	
890-6345-11	SS 26	Total/NA	Solid	8015 NM	
890-6345-12	SS 27	Total/NA	Solid	8015 NM	
890-6345-13	SS 28	Total/NA	Solid	8015 NM	
890-6345-14	SS 29	Total/NA	Solid	8015 NM	
890-6345-15	SS 30	Total/NA	Solid	8015 NM	
890-6345-16	SS 31	Total/NA	Solid	8015 NM	
890-6345-17	SS 32	Total/NA	Solid	8015 NM	
890-6345-18	SS 33	Total/NA	Solid	8015 NM	
890-6345-19	SS 34	Total/NA	Solid	8015 NM	
890-6345-20	SS 35	Total/NA	Solid	8015 NM	
890-6345-21	SS 36	Total/NA	Solid	8015 NM	
890-6345-22	SS 37	Total/NA	Solid	8015 NM	
890-6345-23	SS 38	Total/NA	Solid	8015 NM	
890-6345-24	SS 39	Total/NA	Solid	8015 NM	
890-6345-25	SS 40	Total/NA	Solid	8015 NM	
890-6345-26	SS 41	Total/NA	Solid	8015 NM	
890-6345-27	SS 42	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 75561

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6345-1	SS 16	Soluble	Solid	DI Leach	
890-6345-2	SS 17	Soluble	Solid	DI Leach	
890-6345-3	SS 18	Soluble	Solid	DI Leach	
890-6345-4	SS 19	Soluble	Solid	DI Leach	
890-6345-5	SS 20	Soluble	Solid	DI Leach	
890-6345-6	SS 21	Soluble	Solid	DI Leach	
890-6345-7	SS 22	Soluble	Solid	DI Leach	
890-6345-8	SS 23	Soluble	Solid	DI Leach	
890-6345-9	SS 24	Soluble	Solid	DI Leach	
890-6345-10	SS 25	Soluble	Solid	DI Leach	
890-6345-11	SS 26	Soluble	Solid	DI Leach	
890-6345-12	SS 27	Soluble	Solid	DI Leach	
890-6345-13	SS 28	Soluble	Solid	DI Leach	
890-6345-14	SS 29	Soluble	Solid	DI Leach	
890-6345-15	SS 30	Soluble	Solid	DI Leach	
890-6345-16	SS 31	Soluble	Solid	DI Leach	
890-6345-17	SS 32	Soluble	Solid	DI Leach	
890-6345-18	SS 33	Soluble	Solid	DI Leach	
890-6345-19	SS 34	Soluble	Solid	DI Leach	
890-6345-20	SS 35	Soluble	Solid	DI Leach	
MB 880-75561/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-75561/2-A	Lab Control Sample	Soluble	Solid	DI Leach	

Eurofins Carlsbad

QC Association Summary

Client: Ensolum
Project/Site: RASPBERRY STATE COM 001H

Job ID: 890-6345-1
SDG: 03D2024253

HPLC/IC (Continued)

Leach Batch: 75561 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-75561/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-6345-1 MS	SS 16	Soluble	Solid	DI Leach	
890-6345-1 MSD	SS 16	Soluble	Solid	DI Leach	
890-6345-11 MS	SS 26	Soluble	Solid	DI Leach	
890-6345-11 MSD	SS 26	Soluble	Solid	DI Leach	

Leach Batch: 75564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6345-21	SS 36	Soluble	Solid	DI Leach	
890-6345-22	SS 37	Soluble	Solid	DI Leach	
890-6345-23	SS 38	Soluble	Solid	DI Leach	
890-6345-24	SS 39	Soluble	Solid	DI Leach	
890-6345-25	SS 40	Soluble	Solid	DI Leach	
890-6345-26	SS 41	Soluble	Solid	DI Leach	
890-6345-27	SS 42	Soluble	Solid	DI Leach	
MB 880-75564/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-75564/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-75564/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-6345-21 MS	SS 36	Soluble	Solid	DI Leach	
890-6345-21 MSD	SS 36	Soluble	Solid	DI Leach	

Analysis Batch: 75642

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6345-1	SS 16	Soluble	Solid	300.0	75561
890-6345-2	SS 17	Soluble	Solid	300.0	75561
890-6345-3	SS 18	Soluble	Solid	300.0	75561
890-6345-4	SS 19	Soluble	Solid	300.0	75561
890-6345-5	SS 20	Soluble	Solid	300.0	75561
890-6345-6	SS 21	Soluble	Solid	300.0	75561
890-6345-7	SS 22	Soluble	Solid	300.0	75561
890-6345-8	SS 23	Soluble	Solid	300.0	75561
890-6345-9	SS 24	Soluble	Solid	300.0	75561
890-6345-10	SS 25	Soluble	Solid	300.0	75561
890-6345-11	SS 26	Soluble	Solid	300.0	75561
890-6345-12	SS 27	Soluble	Solid	300.0	75561
890-6345-13	SS 28	Soluble	Solid	300.0	75561
890-6345-14	SS 29	Soluble	Solid	300.0	75561
890-6345-15	SS 30	Soluble	Solid	300.0	75561
890-6345-16	SS 31	Soluble	Solid	300.0	75561
890-6345-17	SS 32	Soluble	Solid	300.0	75561
890-6345-18	SS 33	Soluble	Solid	300.0	75561
890-6345-19	SS 34	Soluble	Solid	300.0	75561
890-6345-20	SS 35	Soluble	Solid	300.0	75561
MB 880-75561/1-A	Method Blank	Soluble	Solid	300.0	75561
LCS 880-75561/2-A	Lab Control Sample	Soluble	Solid	300.0	75561
LCSD 880-75561/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	75561
890-6345-1 MS	SS 16	Soluble	Solid	300.0	75561
890-6345-1 MSD	SS 16	Soluble	Solid	300.0	75561
890-6345-11 MS	SS 26	Soluble	Solid	300.0	75561
890-6345-11 MSD	SS 26	Soluble	Solid	300.0	75561

QC Association Summary

Client: Ensolum
Project/Site: RASPBERRY STATE COM 001H

Job ID: 890-6345-1
SDG: 03D2024253

HPLC/IC

Analysis Batch: 75645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6345-21	SS 36	Soluble	Solid	300.0	75564
890-6345-22	SS 37	Soluble	Solid	300.0	75564
890-6345-23	SS 38	Soluble	Solid	300.0	75564
890-6345-24	SS 39	Soluble	Solid	300.0	75564
890-6345-25	SS 40	Soluble	Solid	300.0	75564
890-6345-26	SS 41	Soluble	Solid	300.0	75564
890-6345-27	SS 42	Soluble	Solid	300.0	75564
MB 880-75564/1-A	Method Blank	Soluble	Solid	300.0	75564
LCS 880-75564/2-A	Lab Control Sample	Soluble	Solid	300.0	75564
LCSD 880-75564/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	75564
890-6345-21 MS	SS 36	Soluble	Solid	300.0	75564
890-6345-21 MSD	SS 36	Soluble	Solid	300.0	75564

Lab Chronicle

Client: Ensolum
Project/Site: RASPBERRY STATE COM 001H

Job ID: 890-6345-1
SDG: 03D2024253

Client Sample ID: SS 16

Date Collected: 03/12/24 10:45

Date Received: 03/12/24 15:52

Lab Sample ID: 890-6345-1

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			5.05 g	5 mL	75630	03/14/24 14:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75668	03/15/24 12:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75830	03/15/24 12:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			75890	03/15/24 09:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	75608	03/14/24 13:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75655	03/15/24 09:36	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	75561	03/14/24 07:57	SA	EET MID
Soluble	Analysis	300.0		1			75642	03/14/24 17:50	CH	EET MID

Client Sample ID: SS 17

Date Collected: 03/12/24 11:00

Date Received: 03/12/24 15:52

Lab Sample ID: 890-6345-2

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			4.98 g	5 mL	75630	03/14/24 14:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75668	03/15/24 12:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75830	03/15/24 12:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			75890	03/15/24 11:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	75608	03/14/24 13:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75655	03/15/24 11:01	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	75561	03/14/24 07:57	SA	EET MID
Soluble	Analysis	300.0		1			75642	03/14/24 18:06	CH	EET MID

Client Sample ID: SS 18

Date Collected: 03/12/24 10:27

Date Received: 03/12/24 15:52

Lab Sample ID: 890-6345-3

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			4.96 g	5 mL	75630	03/14/24 14:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75668	03/15/24 13:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75830	03/15/24 13:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			75890	03/15/24 11:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	75608	03/14/24 13:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75655	03/15/24 11:23	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	75561	03/14/24 07:57	SA	EET MID
Soluble	Analysis	300.0		1			75642	03/14/24 18:12	CH	EET MID

Client Sample ID: SS 19

Date Collected: 03/12/24 10:30

Date Received: 03/12/24 15:52

Lab Sample ID: 890-6345-4

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			5.82 g	5 mL	75630	03/14/24 14:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75668	03/15/24 13:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75830	03/15/24 13:22	SM	EET MID

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Lab Chronicle

Client: Ensolum
Project/Site: RASPBERRY STATE COM 001H

Job ID: 890-6345-1
SDG: 03D2024253

Client Sample ID: SS 19

Date Collected: 03/12/24 10:30

Date Received: 03/12/24 15:52

Lab Sample ID: 890-6345-4

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			75890	03/15/24 11:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	75608	03/14/24 13:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75655	03/15/24 11:44	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	75561	03/14/24 07:57	SA	EET MID
Soluble	Analysis	300.0		1			75642	03/14/24 18:17	CH	EET MID

Client Sample ID: SS 20

Date Collected: 03/12/24 10:31

Date Received: 03/12/24 15:52

Lab Sample ID: 890-6345-5

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			5.89 g	5 mL	75630	03/14/24 14:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75668	03/15/24 13:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75830	03/15/24 13:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			75890	03/15/24 12:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	75608	03/14/24 13:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75655	03/15/24 12:06	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	75561	03/14/24 07:57	SA	EET MID
Soluble	Analysis	300.0		1			75642	03/14/24 18:22	CH	EET MID

Client Sample ID: SS 21

Date Collected: 03/12/24 10:32

Date Received: 03/12/24 15:52

Lab Sample ID: 890-6345-6

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			5.29 g	5 mL	75630	03/14/24 14:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75668	03/15/24 14:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75830	03/15/24 14:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			75890	03/15/24 12:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	75608	03/14/24 13:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75655	03/15/24 12:27	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	75561	03/14/24 07:57	SA	EET MID
Soluble	Analysis	300.0		1			75642	03/14/24 18:38	CH	EET MID

Client Sample ID: SS 22

Date Collected: 03/12/24 10:35

Date Received: 03/12/24 15:52

Lab Sample ID: 890-6345-7

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			5.56 g	5 mL	75630	03/14/24 14:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75668	03/15/24 16:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75830	03/15/24 16:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			75890	03/15/24 12:48	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	75608	03/14/24 13:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75655	03/15/24 12:48	SM	EET MID

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Lab Chronicle

Client: Ensolum
Project/Site: RASPBERRY STATE COM 001H

Job ID: 890-6345-1
SDG: 03D2024253

Client Sample ID: SS 22
Date Collected: 03/12/24 10:35
Date Received: 03/12/24 15:52

Lab Sample ID: 890-6345-7
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	75561	03/14/24 07:57	SA	EET MID
Soluble	Analysis	300.0		1			75642	03/14/24 18:44	CH	EET MID

Client Sample ID: SS 23
Date Collected: 03/12/24 10:37
Date Received: 03/12/24 15:52

Lab Sample ID: 890-6345-8
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			5.56 g	5 mL	75630	03/14/24 14:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75668	03/15/24 16:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75830	03/15/24 16:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			75890	03/15/24 13:09	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	75608	03/14/24 13:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75655	03/15/24 13:09	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	75561	03/14/24 07:57	SA	EET MID
Soluble	Analysis	300.0		1			75642	03/14/24 18:49	CH	EET MID

Client Sample ID: SS 24
Date Collected: 03/12/24 10:33
Date Received: 03/12/24 15:52

Lab Sample ID: 890-6345-9
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			6.36 g	5 mL	75630	03/14/24 14:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75668	03/15/24 17:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75830	03/15/24 17:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			75890	03/15/24 13:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	75608	03/14/24 13:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75655	03/15/24 13:31	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	75561	03/14/24 07:57	SA	EET MID
Soluble	Analysis	300.0		1			75642	03/14/24 18:54	CH	EET MID

Client Sample ID: SS 25
Date Collected: 03/12/24 10:40
Date Received: 03/12/24 15:52

Lab Sample ID: 890-6345-10
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			6.28 g	5 mL	75630	03/14/24 14:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75668	03/15/24 17:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75830	03/15/24 17:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			75890	03/15/24 14:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	75608	03/14/24 13:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75655	03/15/24 14:13	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	75561	03/14/24 07:57	SA	EET MID
Soluble	Analysis	300.0		1			75642	03/14/24 19:42	CH	EET MID

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Lab Chronicle

Client: Ensolum
Project/Site: RASPBERRY STATE COM 001H

Job ID: 890-6345-1
SDG: 03D2024253

Client Sample ID: SS 26

Lab Sample ID: 890-6345-11

Date Collected: 03/12/24 10:55

Matrix: Solid

Date Received: 03/12/24 15:52

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	75630	03/14/24 14:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75668	03/15/24 17:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75830	03/15/24 17:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			75890	03/15/24 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	75608	03/14/24 13:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75655	03/15/24 14:34	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	75561	03/14/24 07:57	SA	EET MID
Soluble	Analysis	300.0		1			75642	03/14/24 19:48	CH	EET MID

Client Sample ID: SS 27

Lab Sample ID: 890-6345-12

Date Collected: 03/12/24 10:56

Matrix: Solid

Date Received: 03/12/24 15:52

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	75630	03/14/24 14:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75668	03/15/24 18:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75830	03/15/24 18:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			75890	03/15/24 14:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	75608	03/14/24 13:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75655	03/15/24 14:56	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	75561	03/14/24 07:57	SA	EET MID
Soluble	Analysis	300.0		1			75642	03/14/24 20:04	CH	EET MID

Client Sample ID: SS 28

Lab Sample ID: 890-6345-13

Date Collected: 03/12/24 10:57

Matrix: Solid

Date Received: 03/12/24 15:52

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	75630	03/14/24 14:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75668	03/15/24 18:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75830	03/15/24 18:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			75890	03/15/24 15:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	75608	03/14/24 13:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75655	03/15/24 15:17	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	75561	03/14/24 07:57	SA	EET MID
Soluble	Analysis	300.0		1			75642	03/14/24 20:09	CH	EET MID

Client Sample ID: SS 29

Lab Sample ID: 890-6345-14

Date Collected: 03/12/24 10:58

Matrix: Solid

Date Received: 03/12/24 15:52

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	75630	03/14/24 14:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75668	03/15/24 18:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75830	03/15/24 18:52	SM	EET MID

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Lab Chronicle

Client: Ensolum
Project/Site: RASPBERRY STATE COM 001H

Job ID: 890-6345-1
SDG: 03D2024253

Client Sample ID: SS 29

Lab Sample ID: 890-6345-14

Date Collected: 03/12/24 10:58

Matrix: Solid

Date Received: 03/12/24 15:52

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			75890	03/15/24 15:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	75608	03/14/24 13:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75655	03/15/24 15:39	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	75561	03/14/24 07:57	SA	EET MID
Soluble	Analysis	300.0		1			75642	03/14/24 20:14	CH	EET MID

Client Sample ID: SS 30

Lab Sample ID: 890-6345-15

Date Collected: 03/12/24 10:59

Matrix: Solid

Date Received: 03/12/24 15:52

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	75630	03/14/24 14:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75668	03/15/24 19:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75830	03/15/24 19:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			75890	03/15/24 16:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	75608	03/14/24 13:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75655	03/15/24 16:00	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	75561	03/14/24 07:57	SA	EET MID
Soluble	Analysis	300.0		1			75642	03/14/24 19:00	CH	EET MID

Client Sample ID: SS 31

Lab Sample ID: 890-6345-16

Date Collected: 03/12/24 10:52

Matrix: Solid

Date Received: 03/12/24 15:52

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	75630	03/14/24 14:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75668	03/15/24 19:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75830	03/15/24 19:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			75890	03/15/24 16:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	75608	03/14/24 13:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75655	03/15/24 16:21	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	75561	03/14/24 07:57	SA	EET MID
Soluble	Analysis	300.0		1			75642	03/14/24 19:05	CH	EET MID

Client Sample ID: SS 32

Lab Sample ID: 890-6345-17

Date Collected: 03/12/24 10:50

Matrix: Solid

Date Received: 03/12/24 15:52

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	75646	03/14/24 16:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75669	03/15/24 12:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75830	03/15/24 12:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			75890	03/15/24 16:43	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	75608	03/14/24 13:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75655	03/15/24 16:43	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum
Project/Site: RASPBERRY STATE COM 001H

Job ID: 890-6345-1
SDG: 03D2024253

Client Sample ID: SS 32
Date Collected: 03/12/24 10:50
Date Received: 03/12/24 15:52

Lab Sample ID: 890-6345-17
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	75561	03/14/24 07:57	SA	EET MID
Soluble	Analysis	300.0		1			75642	03/14/24 19:10	CH	EET MID

Client Sample ID: SS 33
Date Collected: 03/12/24 10:51
Date Received: 03/12/24 15:52

Lab Sample ID: 890-6345-18
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			5.05 g	5 mL	75646	03/14/24 16:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75669	03/15/24 12:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75830	03/15/24 12:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			75890	03/15/24 17:04	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	75608	03/14/24 13:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75655	03/15/24 17:04	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	75561	03/14/24 07:57	SA	EET MID
Soluble	Analysis	300.0		1			75642	03/14/24 19:16	CH	EET MID

Client Sample ID: SS 34
Date Collected: 03/12/24 10:53
Date Received: 03/12/24 15:52

Lab Sample ID: 890-6345-19
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			4.98 g	5 mL	75646	03/14/24 16:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75669	03/15/24 13:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75830	03/15/24 13:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			75890	03/15/24 17:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	75608	03/14/24 13:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75655	03/15/24 17:25	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	75561	03/14/24 07:57	SA	EET MID
Soluble	Analysis	300.0		1			75642	03/14/24 19:21	CH	EET MID

Client Sample ID: SS 35
Date Collected: 03/12/24 10:42
Date Received: 03/12/24 15:52

Lab Sample ID: 890-6345-20
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			4.96 g	5 mL	75646	03/14/24 16:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75669	03/15/24 13:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75830	03/15/24 13:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			75890	03/15/24 19:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	75647	03/14/24 16:40	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75655	03/15/24 19:10	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	75561	03/14/24 07:57	SA	EET MID
Soluble	Analysis	300.0		1			75642	03/14/24 19:26	CH	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum
Project/Site: RASPBERRY STATE COM 001H

Job ID: 890-6345-1
SDG: 03D2024253

Client Sample ID: SS 36

Lab Sample ID: 890-6345-21

Date Collected: 03/12/24 10:13

Matrix: Solid

Date Received: 03/12/24 15:52

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	75646	03/14/24 16:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75669	03/15/24 13:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75830	03/15/24 13:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			75890	03/15/24 20:13	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	75647	03/14/24 16:40	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75655	03/15/24 20:13	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	75564	03/14/24 08:59	SA	EET MID
Soluble	Analysis	300.0		1			75645	03/14/24 23:48	CH	EET MID

Client Sample ID: SS 37

Lab Sample ID: 890-6345-22

Date Collected: 03/12/24 10:08

Matrix: Solid

Date Received: 03/12/24 15:52

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	75646	03/14/24 16:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75669	03/15/24 14:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75830	03/15/24 14:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			75890	03/15/24 20:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	75647	03/14/24 16:40	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75655	03/15/24 20:34	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	75564	03/14/24 08:59	SA	EET MID
Soluble	Analysis	300.0		1			75645	03/15/24 00:04	CH	EET MID

Client Sample ID: SS 38

Lab Sample ID: 890-6345-23

Date Collected: 03/12/24 10:06

Matrix: Solid

Date Received: 03/12/24 15:52

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	75646	03/14/24 16:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75669	03/15/24 14:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75830	03/15/24 14:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			75890	03/15/24 20:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	75647	03/14/24 16:40	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75655	03/15/24 20:55	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	75564	03/14/24 08:59	SA	EET MID
Soluble	Analysis	300.0		1			75645	03/15/24 00:10	CH	EET MID

Client Sample ID: SS 39

Lab Sample ID: 890-6345-24

Date Collected: 03/12/24 10:02

Matrix: Solid

Date Received: 03/12/24 15:52

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	75646	03/14/24 16:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75669	03/15/24 14:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75830	03/15/24 14:57	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum
Project/Site: RASPBERRY STATE COM 001H

Job ID: 890-6345-1
SDG: 03D2024253

Client Sample ID: SS 39

Lab Sample ID: 890-6345-24

Date Collected: 03/12/24 10:02

Matrix: Solid

Date Received: 03/12/24 15:52

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			75890	03/15/24 21:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	75647	03/14/24 16:40	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75655	03/15/24 21:15	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	75564	03/14/24 08:59	SA	EET MID
Soluble	Analysis	300.0		1			75645	03/15/24 00:15	CH	EET MID

Client Sample ID: SS 40

Lab Sample ID: 890-6345-25

Date Collected: 03/12/24 10:15

Matrix: Solid

Date Received: 03/12/24 15:52

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	75646	03/14/24 16:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75669	03/15/24 15:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75830	03/15/24 15:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			75890	03/15/24 21:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	75647	03/14/24 16:40	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75655	03/15/24 21:36	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	75564	03/14/24 08:59	SA	EET MID
Soluble	Analysis	300.0		1			75645	03/15/24 00:20	CH	EET MID

Client Sample ID: SS 41

Lab Sample ID: 890-6345-26

Date Collected: 03/12/24 10:17

Matrix: Solid

Date Received: 03/12/24 15:52

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	75646	03/14/24 16:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75669	03/15/24 15:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75830	03/15/24 15:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			75890	03/15/24 21:57	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	75647	03/14/24 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75655	03/15/24 21:57	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	75564	03/14/24 08:59	SA	EET MID
Soluble	Analysis	300.0		1			75645	03/15/24 00:36	CH	EET MID

Client Sample ID: SS 42

Lab Sample ID: 890-6345-27

Date Collected: 03/12/24 10:20

Matrix: Solid

Date Received: 03/12/24 15:52

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	75646	03/14/24 16:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75669	03/15/24 17:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75830	03/15/24 17:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			75890	03/15/24 22:18	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	75647	03/14/24 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75655	03/15/24 22:18	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum
Project/Site: RASPBERRY STATE COM 001H

Job ID: 890-6345-1
SDG: 03D2024253

Client Sample ID: SS 42

Date Collected: 03/12/24 10:20

Date Received: 03/12/24 15:52

Lab Sample ID: 890-6345-27

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	75564	03/14/24 08:59	SA	EET MID
Soluble	Analysis	300.0		1			75645	03/15/24 00:42	CH	EET MID

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

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Accreditation/Certification Summary

Client: Ensolum
Project/Site: RASPBERRY STATE COM 001H

Job ID: 890-6345-1
SDG: 03D2024253

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: RASPBERRY STATE COM 001H

Job ID: 890-6345-1
SDG: 03D2024253

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: RASPBERRY STATE COM 001H

Job ID: 890-6345-1
SDG: 03D2024253

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-6345-1	SS 16	Solid	03/12/24 10:45	03/12/24 15:52	0 - 0.5'
890-6345-2	SS 17	Solid	03/12/24 11:00	03/12/24 15:52	0 - 0.5'
890-6345-3	SS 18	Solid	03/12/24 10:27	03/12/24 15:52	0 - 0.5'
890-6345-4	SS 19	Solid	03/12/24 10:30	03/12/24 15:52	0 - 0.5'
890-6345-5	SS 20	Solid	03/12/24 10:31	03/12/24 15:52	0 - 0.5'
890-6345-6	SS 21	Solid	03/12/24 10:32	03/12/24 15:52	0 - 0.5'
890-6345-7	SS 22	Solid	03/12/24 10:35	03/12/24 15:52	0 - 0.5'
890-6345-8	SS 23	Solid	03/12/24 10:37	03/12/24 15:52	0 - 0.5'
890-6345-9	SS 24	Solid	03/12/24 10:33	03/12/24 15:52	0 - 0.5'
890-6345-10	SS 25	Solid	03/12/24 10:40	03/12/24 15:52	0 - 0.5'
890-6345-11	SS 26	Solid	03/12/24 10:55	03/12/24 15:52	0 - 0.5'
890-6345-12	SS 27	Solid	03/12/24 10:56	03/12/24 15:52	0 - 0.5'
890-6345-13	SS 28	Solid	03/12/24 10:57	03/12/24 15:52	0 - 0.5'
890-6345-14	SS 29	Solid	03/12/24 10:58	03/12/24 15:52	0 - 0.5'
890-6345-15	SS 30	Solid	03/12/24 10:59	03/12/24 15:52	0 - 0.5'
890-6345-16	SS 31	Solid	03/12/24 10:52	03/12/24 15:52	0 - 0.5'
890-6345-17	SS 32	Solid	03/12/24 10:50	03/12/24 15:52	0 - 0.5'
890-6345-18	SS 33	Solid	03/12/24 10:51	03/12/24 15:52	0 - 0.5'
890-6345-19	SS 34	Solid	03/12/24 10:53	03/12/24 15:52	0 - 0.5'
890-6345-20	SS 35	Solid	03/12/24 10:42	03/12/24 15:52	0 - 0.5'
890-6345-21	SS 36	Solid	03/12/24 10:13	03/12/24 15:52	0 - 0.5'
890-6345-22	SS 37	Solid	03/12/24 10:08	03/12/24 15:52	0 - 0.5'
890-6345-23	SS 38	Solid	03/12/24 10:06	03/12/24 15:52	0 - 0.5'
890-6345-24	SS 39	Solid	03/12/24 10:02	03/12/24 15:52	0 - 0.5'
890-6345-25	SS 40	Solid	03/12/24 10:15	03/12/24 15:52	0 - 0.5'
890-6345-26	SS 41	Solid	03/12/24 10:17	03/12/24 15:52	0 - 0.5'
890-6345-27	SS 42	Solid	03/12/24 10:20	03/12/24 15:52	0 - 0.5'

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
 Midland, TX (432) 704-5440, San Antonio, TX (210) 505-3334
 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Environment Testing
 Xenco

Work Order No: _____

www.xenco.com Page 1 of 3

Project Manager:	Hadlie Green	Bill to: (if different)	Hadlie Green
Company Name:	Ensolum, LLC	Company Name:	Ensolum, LLC
Address:	601 N Marientfeld St Suite 400	Address:	601 N Marientfeld 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: ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADaPT ☐ Other:	

Project Name:		Raspberry State Com 001H		Turn Around		Pres. Code		ANALYSIS REQUEST		Preservative Codes	
Project Number:	03D2024253	☒ Routine	☐ Rush							None: NO	
Project Location:	Lea County, NM	Due Date:								Cool: Cool	
Sampler's Name:	Tobin Green / Hadlie Green	TAT starts the day received by the lab, if received by 4:30pm								HCL: HC	
PO #:	03D2024253									H ₂ SO ₄ : H ₂	
SAMPLE RECEIPT		Temp Blank: Yes No		Wet Ice: Yes No						H ₃ PO ₄ : HP	
Samples Received Intact: Yes No		Thermometer ID: TMM007								NaHSO ₄ : NABIS	
Cooler Custody Seals: Yes No		Correction Factor: -0.2								Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals: Yes No		Temperature Reading: 7.4								Zn Acetate+NaOH: Zn	
Total Containers:		Corrected Temperature: -1.2								NaOH+Ascorbic Acid: SAPC	



Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grav # of Comp	Cont	CHLORIDES (EPA: 300.0)	TPH (6015)	BTEX (6021)	Sample Comments
SS16	S	3/12/24	1045	0-5'	1	G	X	X	X	
SS17	S		1100		1	G	X	X	X	
SS18	S		1027		1	G	X	X	X	
SS19	S		1030		1	G	X	X	X	
SS20	S		1031		1	G	X	X	X	
SS21	S		1032		1	G	X	X	X	
SS22	S		1035		1	G	X	X	X	
SS23	S		1037		1	G	X	X	X	
SS24	S		1033		1	G	X	X	X	
SS25	S		1040		1	G	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 Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed	TCPL / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471		

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<i>[Signature]</i>	<i>[Signature]</i>	3/12/24			

Revised Date: 08/25/2020 Rev. 2020.2

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

Environment Testing
 Xenco

Work Order No:

www.xenco.com

Page

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

Project Name:		Turn Around		Pres. Code		ANALYSIS REQUEST												Preservative Codes	
Project Number:	03D2024253	☒ Routine ☐ Rush	Due Date:															None: NO	DI Water: H ₂ O
Project Location:	Lea County, NM																	Cool: Cool	MeOH: Me
Sampler's Name:	Taina Green/Hadlie Green																	HCL: HC	HNO ₃ : HN
PO #:	03D2024253																	H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT		Taina Blank:	Yes No	Wet Ice:	Yes No													H ₃ PO ₄ : HP	
Samples Received Intact:	Yes No	Thermometer ID:																NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes No	Correction Factor:																Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:	Yes No	Temperature Reading:																Zn Acetate+NaOH: Zn	
Total Containers:		Corrected Temperature:																NaOH+Ascorbic Acid: SAPC	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grabs	# of Comp	Parameters	Pres. Code	CHLORIDES (EPA: 300.0)	TPH (8015)	BTEX (8021)	Sample Comments
SS26	S	3/12/24	1055	0-25"	6	1			X	X	X	
SS27	S		1056		6	1			X	X	X	
SS28	S		1057		6	1			X	X	X	
SS29	S		1058		6	1			X	X	X	
SS30	S		1059		6	1			X	X	X	
SS31	S		1052		6	1			X	X	X	
SS32	S		1050		6	1			X	X	X	
SS33	S		1051		6	1			X	X	X	
SS34	S		1053		6	1			X	X	X	
SS35	S		1042		6	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 Ti 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 Ti 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 <i>Taina Green</i>	<i>David</i>	3/12 1552			
3					
5					

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

Environment Testing
Xenco

Work Order No:

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Project Manager:	Hadlie Green	Bill to: (if different)	Hadlie Green
Company Name:	Ensolum, LLC	Company Name:	Ensolum, LLC
Address:	601 N Marientfeld St Suite 400	Address:	601 N Marientfeld 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: US/PT ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADaPT ☐ Other:	

ANALYSIS REQUEST										Preservative Codes	
Project Name:	Project Number:	Project Location:	Sampler's Name:	PO #:	Turn Around	Pres. Code	Parameters	Grab	# of	Sample Comments	
					☒ Routine ☐ Rush			Comp	Cont		
Raspberry State Com 001H	03D2024253	Lea County, NM	Tabitha Gooden/Hadlie Green	03D2024253							
SAMPLE RECEIPT											
Samples Received Intact:					Yes	No					
Cooler Custody Seals:					Yes	No					
Sample Custody Seals:					Yes	No					
Total Containers:											
Date Sampled					3/12/24	Time Sampled	1013	Depth	0-0.5'	Grab	
Matrix					S						
SS36					S						
SS37					S						
SS38					S						
SS39					S						
SS40					S						
SS41					S						
SS42					S						
CHLORIDES (EPA: 300.0)					X						
TPH (8015)					X						
BTEX (8021)					X						
None: NO											
Cool: Cool											
HCL: HC											
H ₂ SO ₄ : H ₂											
H ₃ PO ₄ : HP											
NaHSO ₄ : NABIS											
Na ₂ S ₂ O ₃ : NaSO ₃											
Zn Acetate+NaOH: Zn											
NaOH+Ascorbic Acid: SAPC											

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 Ti 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 Ti 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 <i>Tabitha Gooden</i>	<i>Ensolum</i>	3/12 1552	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-6345-1

SDG Number: 03D2024253

Login Number: 6345
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: 890-6345-1
SDG Number: 03D2024253

Login Number: 6345
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 03/14/24 11:08 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 3/19/2024 2:54:29 PM

JOB DESCRIPTION

Raspberry State Com 001H
Lea County, NM

JOB NUMBER

880-40879-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701



Eurofins Midland

Job Notes

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

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

Authorization



Generated
3/19/2024 2:54:29 PM

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

Client: Ensolum
Project/Site: Raspberry State Com 001H

Laboratory Job ID: 880-40879-1
SDG: Lea County, NM

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Definitions/Glossary

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

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
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD 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
*-	LCS and/or LCSD is outside acceptance limits, low biased.
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.
α	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
SQL	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: Raspberry State Com 001H

Job ID: 880-40879-1

Job ID: 880-40879-1

Eurofins Midland

Job Narrative
880-40879-1

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 3/14/2024 5:19 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 4.8°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SS50 (880-40879-1), SS49 (880-40879-2), SS48 (880-40879-3), SS47 (880-40879-4), SS46 (880-40879-5), SS45 (880-40879-6), SS44 (880-40879-7), SS43 (880-40879-8), SS82 (880-40879-9), SS83 (880-40879-10), SS84 (880-40879-11), SS85 (880-40879-12), SS86 (880-40879-13), SS87 (880-40879-14), SS88 (880-40879-15), SS89 (880-40879-16), FS-04 (880-40879-17), FS-05 (880-40879-18), FS-06 (880-40879-19), FS-07 (880-40879-20), FS-08 (880-40879-21), FS-09 (880-40879-22), SW-02 (880-40879-23), SW-03 (880-40879-24), FS-15 (880-40879-25), FS-16 (880-40879-26), FS-17 (880-40879-27), FS-18 (880-40879-28), FS-19 (880-40879-29), FS-20 (880-40879-30), FS-21 (880-40879-31), FS-22 (880-40879-32), FS-23 (880-40879-33), SW-06 (880-40879-34), SW-07 (880-40879-35), SW-08 (880-40879-36), FS-10 (880-40879-37), FS-11 (880-40879-38), FS-12 (880-40879-39), FS-13 (880-40879-40), FS-14 (880-40879-41), SW-04 (880-40879-42) and SW-05 (880-40879-43).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: SW-03 (880-40879-24), FS-15 (880-40879-25), FS-18 (880-40879-28), FS-21 (880-40879-31), FS-23 (880-40879-33), (CCV 880-75668/64), (LCS 880-75686/1-A), (LCSD 880-75686/2-A), (880-40879-A-21-D MS) and (880-40879-A-21-E MSD). 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: SS49 (880-40879-2), SS48 (880-40879-3), SS47 (880-40879-4), SS46 (880-40879-5), SS45 (880-40879-6), SS43 (880-40879-8), SS85 (880-40879-12), SS86 (880-40879-13), SS88 (880-40879-15), SS89 (880-40879-16), FS-05 (880-40879-18), FS-06 (880-40879-19), (LCS 880-75685/1-A), (880-40879-A-1-D MS) and (880-40879-A-1-E MSD). 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 880-75691 and analytical batch 880-75798 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: The surrogate recovery for the blank associated with preparation batch 880-75691 and analytical batch 880-75798 was outside the upper control limits.

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-75647 and analytical batch 880-75655 was outside the upper control limits.

Method 8015MOD_NM: LCS suppressed due to instrument malfunction.

(LCS 880-75647/2-A)

Eurofins Midland

Case Narrative

Client: Ensolum
Project: Raspberry State Com 001H

Job ID: 880-40879-1

Job ID: 880-40879-1 (Continued)

Eurofins Midland

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-75647 and analytical batch 880-75655 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-75694 and 880-75817 and analytical batch 880-75778 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-75694/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SS84 (880-40879-11) and SS88 (880-40879-15). 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: SW-02 (880-40879-23), FS-15 (880-40879-25), FS-16 (880-40879-26), FS-17 (880-40879-27), FS-18 (880-40879-28), FS-19 (880-40879-29) and FS-23 (880-40879-33). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The laboratory control sample (LCS) associated with preparation batch 880-75726 and analytical batch 880-75933 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

Eurofins Midland

Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

Client Sample ID: SS50

Lab Sample ID: 880-40879-1

Date Collected: 03/14/24 09:30

Matrix: Solid

Date Received: 03/14/24 17:19

Sample Depth: 0-0.5'

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		03/15/24 10:09	03/15/24 13:12	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/15/24 10:09	03/15/24 13:12	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/15/24 10:09	03/15/24 13:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/15/24 10:09	03/15/24 13:12	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/15/24 10:09	03/15/24 13:12	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/15/24 10:09	03/15/24 13:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130	03/15/24 10:09	03/15/24 13:12	1
1,4-Difluorobenzene (Surr)	81		70 - 130	03/15/24 10:09	03/15/24 13:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/15/24 13:12	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/16/24 00:03	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 *1	50.0	mg/Kg		03/15/24 10:18	03/16/24 00:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0	mg/Kg		03/15/24 10:18	03/16/24 00:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/15/24 10:18	03/16/24 00:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	03/15/24 10:18	03/16/24 00:03	1
o-Terphenyl	87		70 - 130	03/15/24 10:18	03/16/24 00:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	83.2		4.99	mg/Kg			03/15/24 17:32	1

Client Sample ID: SS49

Lab Sample ID: 880-40879-2

Date Collected: 03/14/24 09:32

Matrix: Solid

Date Received: 03/14/24 17:19

Sample Depth: 0-0.5'

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		03/15/24 10:09	03/15/24 13:38	1
Toluene	<0.00198	U	0.00198	mg/Kg		03/15/24 10:09	03/15/24 13:38	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/15/24 10:09	03/15/24 13:38	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		03/15/24 10:09	03/15/24 13:38	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		03/15/24 10:09	03/15/24 13:38	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		03/15/24 10:09	03/15/24 13:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130	03/15/24 10:09	03/15/24 13:38	1

Eurofins Midland

Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

Client Sample ID: SS49

Lab Sample ID: 880-40879-2

Date Collected: 03/14/24 09:32

Matrix: Solid

Date Received: 03/14/24 17:19

Sample Depth: 0-0.5'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	79		70 - 130	03/15/24 10:09	03/15/24 13:38	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			03/15/24 13:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/16/24 00:24	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 *- *1	50.0	mg/Kg		03/15/24 10:18	03/16/24 00:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U *- *1	50.0	mg/Kg		03/15/24 10:18	03/16/24 00:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/15/24 10:18	03/16/24 00:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130			03/15/24 10:18	03/16/24 00:24	1
o-Terphenyl	89		70 - 130			03/15/24 10:18	03/16/24 00:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41.8		5.04	mg/Kg			03/15/24 17:48	1

Client Sample ID: SS48

Lab Sample ID: 880-40879-3

Date Collected: 03/14/24 09:34

Matrix: Solid

Date Received: 03/14/24 17:19

Sample Depth: 0-0.5'

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		03/15/24 10:09	03/15/24 14:04	1
Toluene	<0.00201	U	0.00201	mg/Kg		03/15/24 10:09	03/15/24 14:04	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/15/24 10:09	03/15/24 14:04	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		03/15/24 10:09	03/15/24 14:04	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/15/24 10:09	03/15/24 14:04	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/15/24 10:09	03/15/24 14:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	145	S1+	70 - 130			03/15/24 10:09	03/15/24 14:04	1
1,4-Difluorobenzene (Surr)	83		70 - 130			03/15/24 10:09	03/15/24 14:04	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			03/15/24 14:04	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			03/16/24 00:46	1

Eurofins Midland

Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

Client Sample ID: SS48

Lab Sample ID: 880-40879-3

Date Collected: 03/14/24 09:34

Matrix: Solid

Date Received: 03/14/24 17:19

Sample Depth: 0-0.5'

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 *- *1	49.9	mg/Kg		03/15/24 10:18	03/16/24 00:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U *- *1	49.9	mg/Kg		03/15/24 10:18	03/16/24 00:46	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/15/24 10:18	03/16/24 00:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130			03/15/24 10:18	03/16/24 00:46	1
o-Terphenyl	84		70 - 130			03/15/24 10:18	03/16/24 00:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	67.5		5.04	mg/Kg			03/15/24 17:53	1

Client Sample ID: SS47

Lab Sample ID: 880-40879-4

Date Collected: 03/14/24 09:36

Matrix: Solid

Date Received: 03/14/24 17:19

Sample Depth: 0-0.5'

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		03/15/24 10:09	03/15/24 14:30	1
Toluene	<0.00202	U	0.00202	mg/Kg		03/15/24 10:09	03/15/24 14:30	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		03/15/24 10:09	03/15/24 14:30	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		03/15/24 10:09	03/15/24 14:30	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		03/15/24 10:09	03/15/24 14:30	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		03/15/24 10:09	03/15/24 14:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130			03/15/24 10:09	03/15/24 14:30	1
1,4-Difluorobenzene (Surr)	87		70 - 130			03/15/24 10:09	03/15/24 14:30	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			03/15/24 14:30	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			03/16/24 01:07	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	<50.1	U *- *1	50.1	mg/Kg		03/15/24 10:18	03/16/24 01:07	1
Diesel Range Organics (Over C10-C28)	<50.1	U *- *1	50.1	mg/Kg		03/15/24 10:18	03/16/24 01:07	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		03/15/24 10:18	03/16/24 01:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130			03/15/24 10:18	03/16/24 01:07	1
o-Terphenyl	85		70 - 130			03/15/24 10:18	03/16/24 01:07	1

Eurofins Midland

Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

Client Sample ID: SS47

Lab Sample ID: 880-40879-4

Date Collected: 03/14/24 09:36

Matrix: Solid

Date Received: 03/14/24 17:19

Sample Depth: 0-0.5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	81.1		4.97	mg/Kg			03/15/24 17:59	1

Client Sample ID: SS46

Lab Sample ID: 880-40879-5

Date Collected: 03/14/24 09:38

Matrix: Solid

Date Received: 03/14/24 17:19

Sample Depth: 0-0.5'

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		03/15/24 10:09	03/15/24 14:55	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/15/24 10:09	03/15/24 14:55	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/15/24 10:09	03/15/24 14:55	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/15/24 10:09	03/15/24 14:55	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/15/24 10:09	03/15/24 14:55	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/15/24 10:09	03/15/24 14:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	144	S1+	70 - 130			03/15/24 10:09	03/15/24 14:55	1
1,4-Difluorobenzene (Surr)	87		70 - 130			03/15/24 10:09	03/15/24 14:55	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			03/15/24 14:55	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			03/16/24 01:28	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	<50.5	U *- *1	50.5	mg/Kg		03/15/24 10:18	03/16/24 01:28	1
Diesel Range Organics (Over C10-C28)	<50.5	U *- *1	50.5	mg/Kg		03/15/24 10:18	03/16/24 01:28	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5	mg/Kg		03/15/24 10:18	03/16/24 01:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130			03/15/24 10:18	03/16/24 01:28	1
o-Terphenyl	101		70 - 130			03/15/24 10:18	03/16/24 01:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	56.4		4.96	mg/Kg			03/15/24 18:04	1

Eurofins Midland

Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

Client Sample ID: SS45

Lab Sample ID: 880-40879-6

Date Collected: 03/14/24 09:40

Matrix: Solid

Date Received: 03/14/24 17:19

Sample Depth: 0-0.5'

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		03/15/24 10:09	03/15/24 15:22	1
Toluene	<0.00198	U	0.00198	mg/Kg		03/15/24 10:09	03/15/24 15:22	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/15/24 10:09	03/15/24 15:22	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		03/15/24 10:09	03/15/24 15:22	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		03/15/24 10:09	03/15/24 15:22	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		03/15/24 10:09	03/15/24 15:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130	03/15/24 10:09	03/15/24 15:22	1
1,4-Difluorobenzene (Surr)	87		70 - 130	03/15/24 10:09	03/15/24 15:22	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			03/15/24 15:22	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/16/24 01:50	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	<50.0	U *- *1	50.0	mg/Kg		03/15/24 10:18	03/16/24 01:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U *- *1	50.0	mg/Kg		03/15/24 10:18	03/16/24 01:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/15/24 10:18	03/16/24 01:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	03/15/24 10:18	03/16/24 01:50	1
o-Terphenyl	84		70 - 130	03/15/24 10:18	03/16/24 01:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	64.7		5.01	mg/Kg			03/15/24 18:20	1

Client Sample ID: SS44

Lab Sample ID: 880-40879-7

Date Collected: 03/14/24 09:42

Matrix: Solid

Date Received: 03/14/24 17:19

Sample Depth: 0-0.5'

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		03/15/24 10:09	03/15/24 15:47	1
Toluene	<0.00201	U	0.00201	mg/Kg		03/15/24 10:09	03/15/24 15:47	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/15/24 10:09	03/15/24 15:47	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		03/15/24 10:09	03/15/24 15:47	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/15/24 10:09	03/15/24 15:47	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/15/24 10:09	03/15/24 15:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	03/15/24 10:09	03/15/24 15:47	1

Eurofins Midland

Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

Client Sample ID: SS44
Date Collected: 03/14/24 09:42
Date Received: 03/14/24 17:19
Sample Depth: 0-0.5'

Lab Sample ID: 880-40879-7
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			03/15/24 10:09	03/15/24 15:47	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			03/15/24 15:47	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<50.0	U	50.0	mg/Kg			03/16/24 02:11	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	<50.0	U *- *1	50.0	mg/Kg		03/15/24 10:18	03/16/24 02:11	1	
Diesel Range Organics (Over C10-C28)	<50.0	U *- *1	50.0	mg/Kg		03/15/24 10:18	03/16/24 02:11	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/15/24 10:18	03/16/24 02:11	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	96		70 - 130			03/15/24 10:18	03/16/24 02:11	1	
o-Terphenyl	81		70 - 130			03/15/24 10:18	03/16/24 02:11	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	58.8		5.00	mg/Kg			03/15/24 18:25	1	

Client Sample ID: SS43
Date Collected: 03/14/24 09:44
Date Received: 03/14/24 17:19
Sample Depth: 0-0.5'

Lab Sample ID: 880-40879-8
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		03/15/24 10:09	03/15/24 16:13	1	
Toluene	<0.00202	U	0.00202	mg/Kg		03/15/24 10:09	03/15/24 16:13	1	
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		03/15/24 10:09	03/15/24 16:13	1	
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		03/15/24 10:09	03/15/24 16:13	1	
o-Xylene	<0.00202	U	0.00202	mg/Kg		03/15/24 10:09	03/15/24 16:13	1	
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		03/15/24 10:09	03/15/24 16:13	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130			03/15/24 10:09	03/15/24 16:13	1	
1,4-Difluorobenzene (Surr)	82		70 - 130			03/15/24 10:09	03/15/24 16:13	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			03/15/24 16:13	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			03/16/24 02:32	1	

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

Client Sample ID: SS43
Date Collected: 03/14/24 09:44
Date Received: 03/14/24 17:19
Sample Depth: 0-0.5'

Lab Sample ID: 880-40879-8
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	<49.8	U *- *1	49.8	mg/Kg		03/15/24 10:18	03/16/24 02:32	1	
Diesel Range Organics (Over C10-C28)	<49.8	U *- *1	49.8	mg/Kg		03/15/24 10:18	03/16/24 02:32	1	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		03/15/24 10:18	03/16/24 02:32	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	107		70 - 130			03/15/24 10:18	03/16/24 02:32	1	
o-Terphenyl	87		70 - 130			03/15/24 10:18	03/16/24 02:32	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	66.6		4.99	mg/Kg			03/15/24 18:31	1	

Client Sample ID: SS82
Date Collected: 03/14/24 09:46
Date Received: 03/14/24 17:19
Sample Depth: 0-0.5'

Lab Sample ID: 880-40879-9
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		03/15/24 10:09	03/15/24 16:40	1	
Toluene	<0.00200	U	0.00200	mg/Kg		03/15/24 10:09	03/15/24 16:40	1	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/15/24 10:09	03/15/24 16:40	1	
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		03/15/24 10:09	03/15/24 16:40	1	
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/15/24 10:09	03/15/24 16:40	1	
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		03/15/24 10:09	03/15/24 16:40	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	116		70 - 130			03/15/24 10:09	03/15/24 16:40	1	
1,4-Difluorobenzene (Surr)	78		70 - 130			03/15/24 10:09	03/15/24 16:40	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			03/15/24 16:40	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	77.5		49.7	mg/Kg			03/16/24 02:53	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 *- *1	49.7	mg/Kg		03/15/24 10:18	03/16/24 02:53	1	
Diesel Range Organics (Over C10-C28)	77.5	*- *1	49.7	mg/Kg		03/15/24 10:18	03/16/24 02:53	1	
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		03/15/24 10:18	03/16/24 02:53	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	104		70 - 130			03/15/24 10:18	03/16/24 02:53	1	
o-Terphenyl	83		70 - 130			03/15/24 10:18	03/16/24 02:53	1	

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

Client Sample ID: SS82
Date Collected: 03/14/24 09:46
Date Received: 03/14/24 17:19
Sample Depth: 0-0.5'

Lab Sample ID: 880-40879-9
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	113		5.03	mg/Kg			03/15/24 18:36	1	

Client Sample ID: SS83
Date Collected: 03/14/24 09:48
Date Received: 03/14/24 17:19
Sample Depth: 0-0.5'

Lab Sample ID: 880-40879-10
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		03/15/24 10:09	03/15/24 17:06	1	
Toluene	<0.00200	U	0.00200	mg/Kg		03/15/24 10:09	03/15/24 17:06	1	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/15/24 10:09	03/15/24 17:06	1	
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		03/15/24 10:09	03/15/24 17:06	1	
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/15/24 10:09	03/15/24 17:06	1	
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		03/15/24 10:09	03/15/24 17:06	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	128		70 - 130			03/15/24 10:09	03/15/24 17:06	1	
1,4-Difluorobenzene (Surr)	86		70 - 130			03/15/24 10:09	03/15/24 17:06	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			03/15/24 17:06	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			03/18/24 12:26	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		03/15/24 10:23	03/18/24 12:26	1	
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		03/15/24 10:23	03/18/24 12:26	1	
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		03/15/24 10:23	03/18/24 12:26	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	108		70 - 130			03/15/24 10:23	03/18/24 12:26	1	
o-Terphenyl	117		70 - 130			03/15/24 10:23	03/18/24 12:26	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	61.0		5.05	mg/Kg			03/15/24 18:41	1	

Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

Client Sample ID: SS84
Date Collected: 03/14/24 09:50
Date Received: 03/14/24 17:19
Sample Depth: 0-0.5'

Lab Sample ID: 880-40879-11
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		03/15/24 10:09	03/15/24 18:50	1	
Toluene	<0.00198	U	0.00198	mg/Kg		03/15/24 10:09	03/15/24 18:50	1	
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/15/24 10:09	03/15/24 18:50	1	
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		03/15/24 10:09	03/15/24 18:50	1	
o-Xylene	<0.00198	U	0.00198	mg/Kg		03/15/24 10:09	03/15/24 18:50	1	
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		03/15/24 10:09	03/15/24 18:50	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	128		70 - 130			03/15/24 10:09	03/15/24 18:50	1	
1,4-Difluorobenzene (Surr)	81		70 - 130			03/15/24 10:09	03/15/24 18:50	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			03/15/24 18:50	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	88.5		49.9	mg/Kg			03/18/24 12:47	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	<49.9	U	49.9	mg/Kg		03/15/24 10:23	03/18/24 12:47	1	
Diesel Range Organics (Over C10-C28)	88.5		49.9	mg/Kg		03/15/24 10:23	03/18/24 12:47	1	
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/15/24 10:23	03/18/24 12:47	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	69	S1-	70 - 130			03/15/24 10:23	03/18/24 12:47	1	
o-Terphenyl	70		70 - 130			03/15/24 10:23	03/18/24 12:47	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	101		5.04	mg/Kg			03/15/24 18:46	1	

Client Sample ID: SS85
Date Collected: 03/14/24 09:52
Date Received: 03/14/24 17:19
Sample Depth: 0-0.5'

Lab Sample ID: 880-40879-12
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		03/15/24 10:09	03/15/24 19:15	1	
Toluene	<0.00202	U	0.00202	mg/Kg		03/15/24 10:09	03/15/24 19:15	1	
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		03/15/24 10:09	03/15/24 19:15	1	
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		03/15/24 10:09	03/15/24 19:15	1	
o-Xylene	<0.00202	U	0.00202	mg/Kg		03/15/24 10:09	03/15/24 19:15	1	
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		03/15/24 10:09	03/15/24 19:15	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	149	S1+	70 - 130			03/15/24 10:09	03/15/24 19:15	1	

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

Client Sample ID: SS85
Date Collected: 03/14/24 09:52
Date Received: 03/14/24 17:19
Sample Depth: 0-0.5'

Lab Sample ID: 880-40879-12
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)									
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1,4-Difluorobenzene (Surr)	90		70 - 130			03/15/24 10:09	03/15/24 19:15	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			03/15/24 19:15	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	74.9		49.8	mg/Kg			03/18/24 13:08	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	<49.8	U	49.8	mg/Kg		03/15/24 10:23	03/18/24 13:08	1	
Diesel Range Organics (Over C10-C28)	74.9		49.8	mg/Kg		03/15/24 10:23	03/18/24 13:08	1	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		03/15/24 10:23	03/18/24 13:08	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	89		70 - 130			03/15/24 10:23	03/18/24 13:08	1	
o-Terphenyl	95		70 - 130			03/15/24 10:23	03/18/24 13:08	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	66.5		4.98	mg/Kg			03/15/24 19:02	1	

Client Sample ID: SS86
Date Collected: 03/14/24 09:54
Date Received: 03/14/24 17:19
Sample Depth: 0-0.5'

Lab Sample ID: 880-40879-13
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		03/15/24 10:09	03/15/24 19:41	1	
Toluene	<0.00199	U	0.00199	mg/Kg		03/15/24 10:09	03/15/24 19:41	1	
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/15/24 10:09	03/15/24 19:41	1	
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/15/24 10:09	03/15/24 19:41	1	
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/15/24 10:09	03/15/24 19:41	1	
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/15/24 10:09	03/15/24 19:41	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	93		70 - 130			03/15/24 10:09	03/15/24 19:41	1	
1,4-Difluorobenzene (Surr)	65	S1-	70 - 130			03/15/24 10:09	03/15/24 19:41	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			03/15/24 19:41	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	69.2		50.1	mg/Kg			03/18/24 13:30	1	

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

Client Sample ID: SS86

Lab Sample ID: 880-40879-13

Date Collected: 03/14/24 09:54

Matrix: Solid

Date Received: 03/14/24 17:19

Sample Depth: 0-0.5'

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		03/15/24 10:23	03/18/24 13:30	1
Diesel Range Organics (Over C10-C28)	69.2		50.1	mg/Kg		03/15/24 10:23	03/18/24 13:30	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		03/15/24 10:23	03/18/24 13:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130			03/15/24 10:23	03/18/24 13:30	1
o-Terphenyl	92		70 - 130			03/15/24 10:23	03/18/24 13:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	59.0		4.97	mg/Kg			03/15/24 19:08	1

Client Sample ID: SS87

Lab Sample ID: 880-40879-14

Date Collected: 03/14/24 09:56

Matrix: Solid

Date Received: 03/14/24 17:19

Sample Depth: 0-0.5'

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		03/15/24 10:09	03/15/24 20:06	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/15/24 10:09	03/15/24 20:06	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/15/24 10:09	03/15/24 20:06	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/15/24 10:09	03/15/24 20:06	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/15/24 10:09	03/15/24 20:06	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/15/24 10:09	03/15/24 20:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130			03/15/24 10:09	03/15/24 20:06	1
1,4-Difluorobenzene (Surr)	75		70 - 130			03/15/24 10:09	03/15/24 20:06	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			03/15/24 20:06	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	62.9		50.0	mg/Kg			03/18/24 13:51	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	<50.0	U	50.0	mg/Kg		03/15/24 10:23	03/18/24 13:51	1
Diesel Range Organics (Over C10-C28)	62.9		50.0	mg/Kg		03/15/24 10:23	03/18/24 13:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/15/24 10:23	03/18/24 13:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130			03/15/24 10:23	03/18/24 13:51	1
o-Terphenyl	93		70 - 130			03/15/24 10:23	03/18/24 13:51	1

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

Client Sample ID: SS87

Lab Sample ID: 880-40879-14

Date Collected: 03/14/24 09:56

Matrix: Solid

Date Received: 03/14/24 17:19

Sample Depth: 0-0.5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	70.4		4.99	mg/Kg			03/15/24 19:24	1

Client Sample ID: SS88

Lab Sample ID: 880-40879-15

Date Collected: 03/14/24 09:58

Matrix: Solid

Date Received: 03/14/24 17:19

Sample Depth: 0-0.5'

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		03/15/24 10:09	03/15/24 20:32	1
Toluene	<0.00198	U	0.00198	mg/Kg		03/15/24 10:09	03/15/24 20:32	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/15/24 10:09	03/15/24 20:32	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		03/15/24 10:09	03/15/24 20:32	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		03/15/24 10:09	03/15/24 20:32	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		03/15/24 10:09	03/15/24 20:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	153	S1+	70 - 130			03/15/24 10:09	03/15/24 20:32	1
1,4-Difluorobenzene (Surr)	92		70 - 130			03/15/24 10:09	03/15/24 20:32	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			03/15/24 20:32	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	90.6		50.0	mg/Kg			03/18/24 14:12	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	<50.0	U	50.0	mg/Kg		03/15/24 10:23	03/18/24 14:12	1
Diesel Range Organics (Over C10-C28)	90.6		50.0	mg/Kg		03/15/24 10:23	03/18/24 14:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/15/24 10:23	03/18/24 14:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	64	S1-	70 - 130			03/15/24 10:23	03/18/24 14:12	1
o-Terphenyl	66	S1-	70 - 130			03/15/24 10:23	03/18/24 14:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	118		5.05	mg/Kg			03/15/24 19:29	1

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

Client Sample ID: SS89

Lab Sample ID: 880-40879-16

Date Collected: 03/14/24 10:00

Matrix: Solid

Date Received: 03/14/24 17:19

Sample Depth: 0-0.5'

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		03/15/24 10:09	03/15/24 20:57	1
Toluene	<0.00201	U	0.00201	mg/Kg		03/15/24 10:09	03/15/24 20:57	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/15/24 10:09	03/15/24 20:57	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		03/15/24 10:09	03/15/24 20:57	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/15/24 10:09	03/15/24 20:57	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/15/24 10:09	03/15/24 20:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130	03/15/24 10:09	03/15/24 20:57	1
1,4-Difluorobenzene (Surr)	85		70 - 130	03/15/24 10:09	03/15/24 20:57	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			03/15/24 20:57	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	69.5		49.9	mg/Kg			03/18/24 14:34	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		03/15/24 10:23	03/18/24 14:34	1
Diesel Range Organics (Over C10-C28)	69.5		49.9	mg/Kg		03/15/24 10:23	03/18/24 14:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/15/24 10:23	03/18/24 14:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	03/15/24 10:23	03/18/24 14:34	1
o-Terphenyl	106		70 - 130	03/15/24 10:23	03/18/24 14:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	58.0		5.03	mg/Kg			03/15/24 19:34	1

Client Sample ID: FS-04

Lab Sample ID: 880-40879-17

Date Collected: 03/14/24 10:10

Matrix: Solid

Date Received: 03/14/24 17:19

Sample Depth: .75'

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		03/15/24 10:09	03/15/24 21:23	1
Toluene	<0.00202	U	0.00202	mg/Kg		03/15/24 10:09	03/15/24 21:23	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		03/15/24 10:09	03/15/24 21:23	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		03/15/24 10:09	03/15/24 21:23	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		03/15/24 10:09	03/15/24 21:23	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		03/15/24 10:09	03/15/24 21:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	03/15/24 10:09	03/15/24 21:23	1

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

Client Sample ID: FS-04
Date Collected: 03/14/24 10:10
Date Received: 03/14/24 17:19
Sample Depth: .75'

Lab Sample ID: 880-40879-17
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)									
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1,4-Difluorobenzene (Surr)	79		70 - 130			03/15/24 10:09	03/15/24 21:23	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			03/15/24 21:23	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	68.6		50.0	mg/Kg			03/18/24 11:23	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		03/15/24 10:23	03/18/24 11:23	1	
Diesel Range Organics (Over C10-C28)	68.6		50.0	mg/Kg		03/15/24 10:23	03/18/24 11:23	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/15/24 10:23	03/18/24 11:23	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	78		70 - 130			03/15/24 10:23	03/18/24 11:23	1	
o-Terphenyl	83		70 - 130			03/15/24 10:23	03/18/24 11:23	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	109		5.00	mg/Kg			03/15/24 19:40	1	

Client Sample ID: FS-05
Date Collected: 03/14/24 10:12
Date Received: 03/14/24 17:19
Sample Depth: .75'

Lab Sample ID: 880-40879-18
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		03/15/24 10:09	03/15/24 21:49	1	
Toluene	<0.00201	U	0.00201	mg/Kg		03/15/24 10:09	03/15/24 21:49	1	
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/15/24 10:09	03/15/24 21:49	1	
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		03/15/24 10:09	03/15/24 21:49	1	
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/15/24 10:09	03/15/24 21:49	1	
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/15/24 10:09	03/15/24 21:49	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	161	S1+	70 - 130			03/15/24 10:09	03/15/24 21:49	1	
1,4-Difluorobenzene (Surr)	96		70 - 130			03/15/24 10:09	03/15/24 21:49	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			03/15/24 21:49	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	112		50.5	mg/Kg			03/18/24 14:55	1	

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

Client Sample ID: FS-05

Lab Sample ID: 880-40879-18

Date Collected: 03/14/24 10:12

Matrix: Solid

Date Received: 03/14/24 17:19

Sample Depth: .75'

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		03/15/24 10:23	03/18/24 14:55	1
Diesel Range Organics (Over C10-C28)	112		50.5	mg/Kg		03/15/24 10:23	03/18/24 14:55	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5	mg/Kg		03/15/24 10:23	03/18/24 14:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130			03/15/24 10:23	03/18/24 14:55	1
o-Terphenyl	79		70 - 130			03/15/24 10:23	03/18/24 14:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	334		5.02	mg/Kg			03/15/24 19:45	1

Client Sample ID: FS-06

Lab Sample ID: 880-40879-19

Date Collected: 03/14/24 10:14

Matrix: Solid

Date Received: 03/14/24 17:19

Sample Depth: .75'

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		03/15/24 10:09	03/15/24 22:15	1
Toluene	<0.00198	U	0.00198	mg/Kg		03/15/24 10:09	03/15/24 22:15	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/15/24 10:09	03/15/24 22:15	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		03/15/24 10:09	03/15/24 22:15	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		03/15/24 10:09	03/15/24 22:15	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		03/15/24 10:09	03/15/24 22:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	154	S1+	70 - 130			03/15/24 10:09	03/15/24 22:15	1
1,4-Difluorobenzene (Surr)	92		70 - 130			03/15/24 10:09	03/15/24 22:15	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			03/15/24 22:15	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	52.7		50.0	mg/Kg			03/18/24 15:16	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		03/15/24 10:23	03/18/24 15:16	1
Diesel Range Organics (Over C10-C28)	52.7		50.0	mg/Kg		03/15/24 10:23	03/18/24 15:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/15/24 10:23	03/18/24 15:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130			03/15/24 10:23	03/18/24 15:16	1
o-Terphenyl	83		70 - 130			03/15/24 10:23	03/18/24 15:16	1

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

Client Sample ID: FS-06
Date Collected: 03/14/24 10:14
Date Received: 03/14/24 17:19
Sample Depth: .75'

Lab Sample ID: 880-40879-19
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	143		5.00	mg/Kg			03/15/24 19:50	1	

Client Sample ID: FS-07
Date Collected: 03/14/24 10:16
Date Received: 03/14/24 17:19
Sample Depth: .75'

Lab Sample ID: 880-40879-20
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		03/15/24 10:09	03/15/24 22:40	1	
Toluene	<0.00200	U	0.00200	mg/Kg		03/15/24 10:09	03/15/24 22:40	1	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/15/24 10:09	03/15/24 22:40	1	
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		03/15/24 10:09	03/15/24 22:40	1	
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/15/24 10:09	03/15/24 22:40	1	
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		03/15/24 10:09	03/15/24 22:40	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	125		70 - 130			03/15/24 10:09	03/15/24 22:40	1	
1,4-Difluorobenzene (Surr)	74		70 - 130			03/15/24 10:09	03/15/24 22:40	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			03/15/24 22:40	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<50.0	U	50.0	mg/Kg			03/18/24 15:58	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	<50.0	U	50.0	mg/Kg		03/15/24 10:23	03/18/24 15:58	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/15/24 10:23	03/18/24 15:58	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/15/24 10:23	03/18/24 15:58	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	75		70 - 130			03/15/24 10:23	03/18/24 15:58	1	
o-Terphenyl	77		70 - 130			03/15/24 10:23	03/18/24 15:58	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	114		4.98	mg/Kg			03/15/24 19:56	1	

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

Client Sample ID: FS-08
Date Collected: 03/14/24 10:18
Date Received: 03/14/24 17:19
Sample Depth: .75'

Lab Sample ID: 880-40879-21
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		03/15/24 10:14	03/15/24 22:36	1	
Toluene	<0.00199	U	0.00199	mg/Kg		03/15/24 10:14	03/15/24 22:36	1	
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/15/24 10:14	03/15/24 22:36	1	
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/15/24 10:14	03/15/24 22:36	1	
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/15/24 10:14	03/15/24 22:36	1	
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/15/24 10:14	03/15/24 22:36	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	103		70 - 130			03/15/24 10:14	03/15/24 22:36	1	
1,4-Difluorobenzene (Surr)	70		70 - 130			03/15/24 10:14	03/15/24 22:36	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			03/15/24 22:36	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			03/18/24 16:19	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	<49.9	U	49.9	mg/Kg		03/15/24 10:23	03/18/24 16:19	1	
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/15/24 10:23	03/18/24 16:19	1	
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/15/24 10:23	03/18/24 16:19	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	77		70 - 130			03/15/24 10:23	03/18/24 16:19	1	
o-Terphenyl	84		70 - 130			03/15/24 10:23	03/18/24 16:19	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	76.4		5.03	mg/Kg			03/15/24 23:45	1	

Client Sample ID: FS-09
Date Collected: 03/14/24 10:20
Date Received: 03/14/24 17:19
Sample Depth: .75'

Lab Sample ID: 880-40879-22
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		03/15/24 10:14	03/15/24 22:56	1	
Toluene	<0.00198	U	0.00198	mg/Kg		03/15/24 10:14	03/15/24 22:56	1	
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/15/24 10:14	03/15/24 22:56	1	
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		03/15/24 10:14	03/15/24 22:56	1	
o-Xylene	<0.00198	U	0.00198	mg/Kg		03/15/24 10:14	03/15/24 22:56	1	
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		03/15/24 10:14	03/15/24 22:56	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	89		70 - 130			03/15/24 10:14	03/15/24 22:56	1	

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

Client Sample ID: FS-09

Lab Sample ID: 880-40879-22

Date Collected: 03/14/24 10:20

Matrix: Solid

Date Received: 03/14/24 17:19

Sample Depth: .75'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	74		70 - 130	03/15/24 10:14	03/15/24 22:56	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			03/15/24 22:56	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			03/18/24 16:41	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		03/15/24 10:23	03/18/24 16:41	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		03/15/24 10:23	03/18/24 16:41	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		03/15/24 10:23	03/18/24 16:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	70		70 - 130			03/15/24 10:23	03/18/24 16:41	1
o-Terphenyl	75		70 - 130			03/15/24 10:23	03/18/24 16:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	214		4.97	mg/Kg			03/16/24 00:01	1

Client Sample ID: SW-02

Lab Sample ID: 880-40879-23

Date Collected: 03/14/24 10:22

Matrix: Solid

Date Received: 03/14/24 17:19

Sample Depth: 0-0..75'

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		03/15/24 10:14	03/15/24 23:17	1
Toluene	<0.00201	U	0.00201	mg/Kg		03/15/24 10:14	03/15/24 23:17	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/15/24 10:14	03/15/24 23:17	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		03/15/24 10:14	03/15/24 23:17	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/15/24 10:14	03/15/24 23:17	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/15/24 10:14	03/15/24 23:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130			03/15/24 10:14	03/15/24 23:17	1
1,4-Difluorobenzene (Surr)	72		70 - 130			03/15/24 10:14	03/15/24 23:17	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			03/15/24 23:17	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	74.7		49.7	mg/Kg			03/18/24 17:02	1

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

Client Sample ID: SW-02
Date Collected: 03/14/24 10:22
Date Received: 03/14/24 17:19
Sample Depth: 0-0..75'

Lab Sample ID: 880-40879-23
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		03/15/24 10:23	03/18/24 17:02	1	
Diesel Range Organics (Over C10-C28)	74.7		49.7	mg/Kg		03/15/24 10:23	03/18/24 17:02	1	
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		03/15/24 10:23	03/18/24 17:02	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	69	S1-	70 - 130			03/15/24 10:23	03/18/24 17:02	1	
o-Terphenyl	73		70 - 130			03/15/24 10:23	03/18/24 17:02	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	459		25.1	mg/Kg			03/16/24 00:06	5	

Client Sample ID: SW-03
Date Collected: 03/14/24 10:24
Date Received: 03/14/24 17:19
Sample Depth: 0-0..75'

Lab Sample ID: 880-40879-24
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		03/15/24 10:14	03/15/24 23:37	1	
Toluene	<0.00202	U	0.00202	mg/Kg		03/15/24 10:14	03/15/24 23:37	1	
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		03/15/24 10:14	03/15/24 23:37	1	
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		03/15/24 10:14	03/15/24 23:37	1	
o-Xylene	<0.00202	U	0.00202	mg/Kg		03/15/24 10:14	03/15/24 23:37	1	
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		03/15/24 10:14	03/15/24 23:37	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	112		70 - 130			03/15/24 10:14	03/15/24 23:37	1	
1,4-Difluorobenzene (Surr)	68	S1-	70 - 130			03/15/24 10:14	03/15/24 23:37	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			03/15/24 23:37	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	77.4		49.7	mg/Kg			03/18/24 17:24	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		03/15/24 10:23	03/18/24 17:24	1	
Diesel Range Organics (Over C10-C28)	77.4		49.7	mg/Kg		03/15/24 10:23	03/18/24 17:24	1	
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		03/15/24 10:23	03/18/24 17:24	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	76		70 - 130			03/15/24 10:23	03/18/24 17:24	1	
o-Terphenyl	80		70 - 130			03/15/24 10:23	03/18/24 17:24	1	

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

Client Sample ID: SW-03

Lab Sample ID: 880-40879-24

Date Collected: 03/14/24 10:24

Matrix: Solid

Date Received: 03/14/24 17:19

Sample Depth: 0-0..75'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	161		4.96	mg/Kg			03/16/24 00:11	1

Client Sample ID: FS-15

Lab Sample ID: 880-40879-25

Date Collected: 03/14/24 11:28

Matrix: Solid

Date Received: 03/14/24 17:19

Sample Depth: 1'

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		03/15/24 10:14	03/15/24 23:58	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/15/24 10:14	03/15/24 23:58	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/15/24 10:14	03/15/24 23:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/15/24 10:14	03/15/24 23:58	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/15/24 10:14	03/15/24 23:58	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/15/24 10:14	03/15/24 23:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130			03/15/24 10:14	03/15/24 23:58	1
1,4-Difluorobenzene (Surr)	69	S1-	70 - 130			03/15/24 10:14	03/15/24 23:58	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			03/15/24 23:58	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	76.7		50.0	mg/Kg			03/18/24 17:45	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	<50.0	U	50.0	mg/Kg		03/15/24 10:23	03/18/24 17:45	1
Diesel Range Organics (Over C10-C28)	76.7		50.0	mg/Kg		03/15/24 10:23	03/18/24 17:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/15/24 10:23	03/18/24 17:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	65	S1-	70 - 130			03/15/24 10:23	03/18/24 17:45	1
o-Terphenyl	66	S1-	70 - 130			03/15/24 10:23	03/18/24 17:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	76.4		4.98	mg/Kg			03/16/24 00:17	1

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

Client Sample ID: FS-16
Date Collected: 03/14/24 11:30
Date Received: 03/14/24 17:19
Sample Depth: 1'

Lab Sample ID: 880-40879-26
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		03/15/24 10:14	03/16/24 00:18	1	
Toluene	<0.00198	U	0.00198	mg/Kg		03/15/24 10:14	03/16/24 00:18	1	
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/15/24 10:14	03/16/24 00:18	1	
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		03/15/24 10:14	03/16/24 00:18	1	
o-Xylene	<0.00198	U	0.00198	mg/Kg		03/15/24 10:14	03/16/24 00:18	1	
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		03/15/24 10:14	03/16/24 00:18	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	91		70 - 130			03/15/24 10:14	03/16/24 00:18	1	
1,4-Difluorobenzene (Surr)	72		70 - 130			03/15/24 10:14	03/16/24 00:18	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			03/16/24 00:18	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	71.7		50.1	mg/Kg			03/18/24 18:06	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		03/15/24 10:23	03/18/24 18:06	1	
Diesel Range Organics (Over C10-C28)	71.7		50.1	mg/Kg		03/15/24 10:23	03/18/24 18:06	1	
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		03/15/24 10:23	03/18/24 18:06	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	65	S1-	70 - 130			03/15/24 10:23	03/18/24 18:06	1	
o-Terphenyl	67	S1-	70 - 130			03/15/24 10:23	03/18/24 18:06	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	67.0		5.03	mg/Kg			03/16/24 00:33	1	

Client Sample ID: FS-17
Date Collected: 03/14/24 11:32
Date Received: 03/14/24 17:19
Sample Depth: 1'

Lab Sample ID: 880-40879-27
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		03/15/24 10:14	03/16/24 00:39	1	
Toluene	<0.00201	U	0.00201	mg/Kg		03/15/24 10:14	03/16/24 00:39	1	
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/15/24 10:14	03/16/24 00:39	1	
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		03/15/24 10:14	03/16/24 00:39	1	
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/15/24 10:14	03/16/24 00:39	1	
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/15/24 10:14	03/16/24 00:39	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	102		70 - 130			03/15/24 10:14	03/16/24 00:39	1	

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

Client Sample ID: FS-17

Lab Sample ID: 880-40879-27

Date Collected: 03/14/24 11:32

Matrix: Solid

Date Received: 03/14/24 17:19

Sample Depth: 1'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	76		70 - 130	03/15/24 10:14	03/16/24 00:39	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			03/16/24 00:39	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	198		50.0	mg/Kg			03/18/24 18:27	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	<50.0	U	50.0	mg/Kg		03/15/24 10:23	03/18/24 18:27	1
Diesel Range Organics (Over C10-C28)	198		50.0	mg/Kg		03/15/24 10:23	03/18/24 18:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/15/24 10:23	03/18/24 18:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	67	S1-	70 - 130			03/15/24 10:23	03/18/24 18:27	1
o-Terphenyl	71		70 - 130			03/15/24 10:23	03/18/24 18:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	86.9		5.04	mg/Kg			03/16/24 00:38	1

Client Sample ID: FS-18

Lab Sample ID: 880-40879-28

Date Collected: 03/14/24 11:34

Matrix: Solid

Date Received: 03/14/24 17:19

Sample Depth: 1'

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		03/15/24 10:14	03/16/24 00:59	1
Toluene	<0.00202	U	0.00202	mg/Kg		03/15/24 10:14	03/16/24 00:59	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		03/15/24 10:14	03/16/24 00:59	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		03/15/24 10:14	03/16/24 00:59	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		03/15/24 10:14	03/16/24 00:59	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		03/15/24 10:14	03/16/24 00:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130			03/15/24 10:14	03/16/24 00:59	1
1,4-Difluorobenzene (Surr)	65	S1-	70 - 130			03/15/24 10:14	03/16/24 00:59	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			03/16/24 00:59	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	215		50.0	mg/Kg			03/18/24 18:48	1

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

Client Sample ID: FS-18
Date Collected: 03/14/24 11:34
Date Received: 03/14/24 17:19
Sample Depth: 1'

Lab Sample ID: 880-40879-28
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	<50.0	U	50.0	mg/Kg		03/15/24 10:23	03/18/24 18:48	1	
Diesel Range Organics (Over C10-C28)	215		50.0	mg/Kg		03/15/24 10:23	03/18/24 18:48	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/15/24 10:23	03/18/24 18:48	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	67	S1-	70 - 130			03/15/24 10:23	03/18/24 18:48	1	
o-Terphenyl	69	S1-	70 - 130			03/15/24 10:23	03/18/24 18:48	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	92.5		4.97	mg/Kg			03/16/24 00:43	1	

Client Sample ID: FS-19
Date Collected: 03/14/24 11:36
Date Received: 03/14/24 17:19
Sample Depth: 1'

Lab Sample ID: 880-40879-29
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		03/15/24 10:14	03/16/24 01:20	1	
Toluene	<0.00200	U	0.00200	mg/Kg		03/15/24 10:14	03/16/24 01:20	1	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/15/24 10:14	03/16/24 01:20	1	
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		03/15/24 10:14	03/16/24 01:20	1	
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/15/24 10:14	03/16/24 01:20	1	
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		03/15/24 10:14	03/16/24 01:20	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	90		70 - 130			03/15/24 10:14	03/16/24 01:20	1	
1,4-Difluorobenzene (Surr)	80		70 - 130			03/15/24 10:14	03/16/24 01:20	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			03/16/24 01:20	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			03/18/24 19:09	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	<49.7	U	49.7	mg/Kg		03/15/24 10:23	03/18/24 19:09	1	
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		03/15/24 10:23	03/18/24 19:09	1	
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		03/15/24 10:23	03/18/24 19:09	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	67	S1-	70 - 130			03/15/24 10:23	03/18/24 19:09	1	
o-Terphenyl	69	S1-	70 - 130			03/15/24 10:23	03/18/24 19:09	1	

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

Client Sample ID: FS-19

Lab Sample ID: 880-40879-29

Date Collected: 03/14/24 11:36

Matrix: Solid

Date Received: 03/14/24 17:19

Sample Depth: 1'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	139		5.03	mg/Kg			03/16/24 00:49	1

Client Sample ID: FS-20

Lab Sample ID: 880-40879-30

Date Collected: 03/14/24 11:38

Matrix: Solid

Date Received: 03/14/24 17:19

Sample Depth: 1'

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		03/15/24 10:14	03/16/24 01:40	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/15/24 10:14	03/16/24 01:40	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/15/24 10:14	03/16/24 01:40	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		03/15/24 10:14	03/16/24 01:40	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/15/24 10:14	03/16/24 01:40	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		03/15/24 10:14	03/16/24 01:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130			03/15/24 10:14	03/16/24 01:40	1
1,4-Difluorobenzene (Surr)	70		70 - 130			03/15/24 10:14	03/16/24 01:40	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			03/16/24 01:40	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/18/24 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	<50.0	U	50.0	mg/Kg		03/18/24 10:16	03/18/24 21:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/18/24 10:16	03/18/24 21:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/18/24 10:16	03/18/24 21:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130			03/18/24 10:16	03/18/24 21:59	1
o-Terphenyl	79		70 - 130			03/18/24 10:16	03/18/24 21:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	152		5.01	mg/Kg			03/16/24 00:54	1

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

Client Sample ID: FS-21
Date Collected: 03/14/24 11:40
Date Received: 03/14/24 17:19
Sample Depth: 1'

Lab Sample ID: 880-40879-31
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		03/15/24 10:14	03/16/24 03:03	1	
Toluene	<0.00198	U	0.00198	mg/Kg		03/15/24 10:14	03/16/24 03:03	1	
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/15/24 10:14	03/16/24 03:03	1	
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		03/15/24 10:14	03/16/24 03:03	1	
o-Xylene	<0.00198	U	0.00198	mg/Kg		03/15/24 10:14	03/16/24 03:03	1	
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		03/15/24 10:14	03/16/24 03:03	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	109		70 - 130			03/15/24 10:14	03/16/24 03:03	1	
1,4-Difluorobenzene (Surr)	67	S1-	70 - 130			03/15/24 10:14	03/16/24 03:03	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			03/16/24 03:03	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			03/18/24 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	<49.8	U	49.8	mg/Kg		03/18/24 10:16	03/18/24 22:20	1	
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		03/18/24 10:16	03/18/24 22:20	1	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		03/18/24 10:16	03/18/24 22:20	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	94		70 - 130			03/18/24 10:16	03/18/24 22:20	1	
o-Terphenyl	100		70 - 130			03/18/24 10:16	03/18/24 22:20	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	136		5.05	mg/Kg			03/16/24 01:00	1	

Client Sample ID: FS-22
Date Collected: 03/14/24 11:42
Date Received: 03/14/24 17:19
Sample Depth: 1'

Lab Sample ID: 880-40879-32
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		03/15/24 10:14	03/16/24 03:23	1	
Toluene	<0.00202	U	0.00202	mg/Kg		03/15/24 10:14	03/16/24 03:23	1	
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		03/15/24 10:14	03/16/24 03:23	1	
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		03/15/24 10:14	03/16/24 03:23	1	
o-Xylene	<0.00202	U	0.00202	mg/Kg		03/15/24 10:14	03/16/24 03:23	1	
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		03/15/24 10:14	03/16/24 03:23	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	95		70 - 130			03/15/24 10:14	03/16/24 03:23	1	

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

Client Sample ID: FS-22

Lab Sample ID: 880-40879-32

Date Collected: 03/14/24 11:42

Matrix: Solid

Date Received: 03/14/24 17:19

Sample Depth: 1'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	77		70 - 130	03/15/24 10:14	03/16/24 03:23	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			03/16/24 03:23	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			03/18/24 22:41	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		03/18/24 10:16	03/18/24 22:41	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		03/18/24 10:16	03/18/24 22:41	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		03/18/24 10:16	03/18/24 22:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130			03/18/24 10:16	03/18/24 22:41	1
o-Terphenyl	106		70 - 130			03/18/24 10:16	03/18/24 22:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	125		4.95	mg/Kg			03/16/24 01:16	1

Client Sample ID: FS-23

Lab Sample ID: 880-40879-33

Date Collected: 03/14/24 11:44

Matrix: Solid

Date Received: 03/14/24 17:19

Sample Depth: 1'

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		03/15/24 10:14	03/16/24 03:44	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/15/24 10:14	03/16/24 03:44	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/15/24 10:14	03/16/24 03:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/15/24 10:14	03/16/24 03:44	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/15/24 10:14	03/16/24 03:44	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/15/24 10:14	03/16/24 03:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130			03/15/24 10:14	03/16/24 03:44	1
1,4-Difluorobenzene (Surr)	64	S1-	70 - 130			03/15/24 10:14	03/16/24 03:44	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			03/16/24 03:44	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	75.8		49.7	mg/Kg			03/18/24 23:03	1

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

Client Sample ID: FS-23
Date Collected: 03/14/24 11:44
Date Received: 03/14/24 17:19
Sample Depth: 1'

Lab Sample ID: 880-40879-33
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		03/18/24 10:16	03/18/24 23:03	1	
Diesel Range Organics (Over C10-C28)	75.8		49.7	mg/Kg		03/18/24 10:16	03/18/24 23:03	1	
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		03/18/24 10:16	03/18/24 23:03	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	129		70 - 130			03/18/24 10:16	03/18/24 23:03	1	
o-Terphenyl	131	S1+	70 - 130			03/18/24 10:16	03/18/24 23:03	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	174		5.03	mg/Kg			03/16/24 01:21	1	

Client Sample ID: SW-06
Date Collected: 03/14/24 11:46
Date Received: 03/14/24 17:19
Sample Depth: 0-1'

Lab Sample ID: 880-40879-34
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		03/15/24 10:14	03/16/24 04:04	1	
Toluene	<0.00200	U	0.00200	mg/Kg		03/15/24 10:14	03/16/24 04:04	1	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/15/24 10:14	03/16/24 04:04	1	
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/15/24 10:14	03/16/24 04:04	1	
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/15/24 10:14	03/16/24 04:04	1	
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/15/24 10:14	03/16/24 04:04	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	108		70 - 130			03/15/24 10:14	03/16/24 04:04	1	
1,4-Difluorobenzene (Surr)	71		70 - 130			03/15/24 10:14	03/16/24 04:04	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			03/16/24 04:04	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	65.8		49.6	mg/Kg			03/18/24 23:24	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		03/18/24 10:16	03/18/24 23:24	1	
Diesel Range Organics (Over C10-C28)	65.8		49.6	mg/Kg		03/18/24 10:16	03/18/24 23:24	1	
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		03/18/24 10:16	03/18/24 23:24	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	101		70 - 130			03/18/24 10:16	03/18/24 23:24	1	
o-Terphenyl	104		70 - 130			03/18/24 10:16	03/18/24 23:24	1	

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

Client Sample ID: SW-06

Lab Sample ID: 880-40879-34

Date Collected: 03/14/24 11:46

Matrix: Solid

Date Received: 03/14/24 17:19

Sample Depth: 0-1'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	184		5.01	mg/Kg			03/16/24 01:37	1

Client Sample ID: SW-07

Lab Sample ID: 880-40879-35

Date Collected: 03/14/24 11:48

Matrix: Solid

Date Received: 03/14/24 17:19

Sample Depth: 0-1'

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		03/15/24 10:14	03/16/24 04:25	1
Toluene	<0.00198	U	0.00198	mg/Kg		03/15/24 10:14	03/16/24 04:25	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/15/24 10:14	03/16/24 04:25	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		03/15/24 10:14	03/16/24 04:25	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		03/15/24 10:14	03/16/24 04:25	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		03/15/24 10:14	03/16/24 04:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130			03/15/24 10:14	03/16/24 04:25	1
1,4-Difluorobenzene (Surr)	77		70 - 130			03/15/24 10:14	03/16/24 04:25	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			03/16/24 04:25	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	55.6		49.9	mg/Kg			03/18/24 20:55	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	<49.9	U	49.9	mg/Kg		03/18/24 10:16	03/18/24 20:55	1
Diesel Range Organics (Over C10-C28)	55.6		49.9	mg/Kg		03/18/24 10:16	03/18/24 20:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/18/24 10:16	03/18/24 20:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130			03/18/24 10:16	03/18/24 20:55	1
o-Terphenyl	101		70 - 130			03/18/24 10:16	03/18/24 20:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	197		4.99	mg/Kg			03/16/24 01:42	1

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

Client Sample ID: SW-08
Date Collected: 03/14/24 11:50
Date Received: 03/14/24 17:19
Sample Depth: 0-1'

Lab Sample ID: 880-40879-36
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		03/15/24 10:14	03/16/24 04:45	1	
Toluene	<0.00201	U	0.00201	mg/Kg		03/15/24 10:14	03/16/24 04:45	1	
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/15/24 10:14	03/16/24 04:45	1	
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		03/15/24 10:14	03/16/24 04:45	1	
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/15/24 10:14	03/16/24 04:45	1	
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/15/24 10:14	03/16/24 04:45	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	100		70 - 130			03/15/24 10:14	03/16/24 04:45	1	
1,4-Difluorobenzene (Surr)	72		70 - 130			03/15/24 10:14	03/16/24 04:45	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			03/16/24 04:45	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	52.1		49.9	mg/Kg			03/18/24 23:45	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		03/18/24 10:16	03/18/24 23:45	1	
Diesel Range Organics (Over C10-C28)	52.1		49.9	mg/Kg		03/18/24 10:16	03/18/24 23:45	1	
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/18/24 10:16	03/18/24 23:45	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	75		70 - 130			03/18/24 10:16	03/18/24 23:45	1	
o-Terphenyl	78		70 - 130			03/18/24 10:16	03/18/24 23:45	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	171		5.00	mg/Kg			03/16/24 01:47	1	

Client Sample ID: FS-10
Date Collected: 03/14/24 13:00
Date Received: 03/14/24 17:19
Sample Depth: .75'

Lab Sample ID: 880-40879-37
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		03/15/24 10:14	03/16/24 05:05	1	
Toluene	<0.00202	U	0.00202	mg/Kg		03/15/24 10:14	03/16/24 05:05	1	
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		03/15/24 10:14	03/16/24 05:05	1	
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		03/15/24 10:14	03/16/24 05:05	1	
o-Xylene	<0.00202	U	0.00202	mg/Kg		03/15/24 10:14	03/16/24 05:05	1	
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		03/15/24 10:14	03/16/24 05:05	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	91		70 - 130			03/15/24 10:14	03/16/24 05:05	1	

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

Client Sample ID: FS-10

Lab Sample ID: 880-40879-37

Date Collected: 03/14/24 13:00

Matrix: Solid

Date Received: 03/14/24 17:19

Sample Depth: .75'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	74		70 - 130	03/15/24 10:14	03/16/24 05:05	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			03/16/24 05:05	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			03/19/24 00:07	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	<49.9	U	49.9	mg/Kg		03/18/24 10:16	03/19/24 00:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/18/24 10:16	03/19/24 00:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/18/24 10:16	03/19/24 00:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130			03/18/24 10:16	03/19/24 00:07	1
o-Terphenyl	95		70 - 130			03/18/24 10:16	03/19/24 00:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	625		5.05	mg/Kg			03/16/24 01:53	1

Client Sample ID: FS-11

Lab Sample ID: 880-40879-38

Date Collected: 03/14/24 13:02

Matrix: Solid

Date Received: 03/14/24 17:19

Sample Depth: .75'

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		03/15/24 10:14	03/16/24 05:26	1
Toluene	<0.00201	U	0.00201	mg/Kg		03/15/24 10:14	03/16/24 05:26	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/15/24 10:14	03/16/24 05:26	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		03/15/24 10:14	03/16/24 05:26	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/15/24 10:14	03/16/24 05:26	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/15/24 10:14	03/16/24 05:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	03/15/24 10:14	03/16/24 05:26	1
1,4-Difluorobenzene (Surr)	76		70 - 130	03/15/24 10:14	03/16/24 05:26	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			03/16/24 05:26	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			03/19/24 00:27	1

Eurofins Midland

Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

Client Sample ID: FS-11
Date Collected: 03/14/24 13:02
Date Received: 03/14/24 17:19
Sample Depth: .75'

Lab Sample ID: 880-40879-38
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		03/18/24 10:16	03/19/24 00:27	1	
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		03/18/24 10:16	03/19/24 00:27	1	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		03/18/24 10:16	03/19/24 00:27	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	101		70 - 130			03/18/24 10:16	03/19/24 00:27	1	
o-Terphenyl	105		70 - 130			03/18/24 10:16	03/19/24 00:27	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	854		5.02	mg/Kg			03/16/24 01:58	1	

Client Sample ID: FS-12
Date Collected: 03/14/24 13:04
Date Received: 03/14/24 17:19
Sample Depth: .75'

Lab Sample ID: 880-40879-39
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		03/15/24 10:14	03/16/24 05:46	1	
Toluene	<0.00198	U	0.00198	mg/Kg		03/15/24 10:14	03/16/24 05:46	1	
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/15/24 10:14	03/16/24 05:46	1	
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		03/15/24 10:14	03/16/24 05:46	1	
o-Xylene	0.00241		0.00198	mg/Kg		03/15/24 10:14	03/16/24 05:46	1	
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		03/15/24 10:14	03/16/24 05:46	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	113		70 - 130			03/15/24 10:14	03/16/24 05:46	1	
1,4-Difluorobenzene (Surr)	70		70 - 130			03/15/24 10:14	03/16/24 05:46	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			03/16/24 05:46	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			03/19/24 00:48	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		03/18/24 10:16	03/19/24 00:48	1	
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		03/18/24 10:16	03/19/24 00:48	1	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		03/18/24 10:16	03/19/24 00:48	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	96		70 - 130			03/18/24 10:16	03/19/24 00:48	1	
o-Terphenyl	101		70 - 130			03/18/24 10:16	03/19/24 00:48	1	

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

Client Sample ID: FS-12

Lab Sample ID: 880-40879-39

Date Collected: 03/14/24 13:04

Matrix: Solid

Date Received: 03/14/24 17:19

Sample Depth: .75'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	112		5.04	mg/Kg			03/16/24 02:03	1

Client Sample ID: FS-13

Lab Sample ID: 880-40879-40

Date Collected: 03/14/24 13:06

Matrix: Solid

Date Received: 03/14/24 17:19

Sample Depth: .75'

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		03/15/24 10:14	03/16/24 06:07	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/15/24 10:14	03/16/24 06:07	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/15/24 10:14	03/16/24 06:07	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		03/15/24 10:14	03/16/24 06:07	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/15/24 10:14	03/16/24 06:07	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		03/15/24 10:14	03/16/24 06:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130			03/15/24 10:14	03/16/24 06:07	1
1,4-Difluorobenzene (Surr)	74		70 - 130			03/15/24 10:14	03/16/24 06:07	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			03/16/24 06:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	50.0		49.7	mg/Kg			03/19/24 01:30	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	<49.7	U	49.7	mg/Kg		03/18/24 10:16	03/19/24 01:30	1
Diesel Range Organics (Over C10-C28)	50.0		49.7	mg/Kg		03/18/24 10:16	03/19/24 01:30	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		03/18/24 10:16	03/19/24 01:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130			03/18/24 10:16	03/19/24 01:30	1
o-Terphenyl	93		70 - 130			03/18/24 10:16	03/19/24 01:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	444		4.99	mg/Kg			03/16/24 02:09	1

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

Client Sample ID: FS-14
Date Collected: 03/14/24 13:08
Date Received: 03/14/24 17:19
Sample Depth: .75'

Lab Sample ID: 880-40879-41
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	-	03/15/24 10:17	03/18/24 12:03	1	
Toluene	<0.00199	U F1	0.00199	mg/Kg	-	03/15/24 10:17	03/18/24 12:03	1	
Ethylbenzene	<0.00199	U F1	0.00199	mg/Kg	-	03/15/24 10:17	03/18/24 12:03	1	
m-Xylene & p-Xylene	<0.00398	U F1	0.00398	mg/Kg	-	03/15/24 10:17	03/18/24 12:03	1	
o-Xylene	<0.00199	U	0.00199	mg/Kg	-	03/15/24 10:17	03/18/24 12:03	1	
Xylenes, Total	<0.00398	U F1	0.00398	mg/Kg	-	03/15/24 10:17	03/18/24 12:03	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	89		70 - 130			03/15/24 10:17	03/18/24 12:03	1	
1,4-Difluorobenzene (Surr)	113		70 - 130			03/15/24 10:17	03/18/24 12:03	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	-		03/18/24 12:03	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	-		03/19/24 01:51	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	<49.7	U	49.7	mg/Kg	-	03/18/24 10:16	03/19/24 01:51	1	
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg	-	03/18/24 10:16	03/19/24 01:51	1	
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg	-	03/18/24 10:16	03/19/24 01:51	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	87		70 - 130			03/18/24 10:16	03/19/24 01:51	1	
o-Terphenyl	92		70 - 130			03/18/24 10:16	03/19/24 01:51	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	715	*-	4.98	mg/Kg	-		03/19/24 10:37	1	

Client Sample ID: SW-04
Date Collected: 03/14/24 13:10
Date Received: 03/14/24 17:19
Sample Depth: 0-0.75'

Lab Sample ID: 880-40879-42
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	-	03/15/24 10:17	03/18/24 12:24	1	
Toluene	<0.00198	U	0.00198	mg/Kg	-	03/15/24 10:17	03/18/24 12:24	1	
Ethylbenzene	<0.00198	U	0.00198	mg/Kg	-	03/15/24 10:17	03/18/24 12:24	1	
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg	-	03/15/24 10:17	03/18/24 12:24	1	
o-Xylene	<0.00198	U	0.00198	mg/Kg	-	03/15/24 10:17	03/18/24 12:24	1	
Xylenes, Total	<0.00396	U	0.00396	mg/Kg	-	03/15/24 10:17	03/18/24 12:24	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	110		70 - 130			03/15/24 10:17	03/18/24 12:24	1	

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

Client Sample ID: SW-04

Lab Sample ID: 880-40879-42

Date Collected: 03/14/24 13:10

Matrix: Solid

Date Received: 03/14/24 17:19

Sample Depth: 0-0.75'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	109		70 - 130	03/15/24 10:17	03/18/24 12:24	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			03/18/24 12:24	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	52.6		49.6	mg/Kg			03/19/24 02:12	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	<49.6	U	49.6	mg/Kg		03/18/24 10:16	03/19/24 02:12	1
Diesel Range Organics (Over C10-C28)	52.6		49.6	mg/Kg		03/18/24 10:16	03/19/24 02:12	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		03/18/24 10:16	03/19/24 02:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130			03/18/24 10:16	03/19/24 02:12	1
o-Terphenyl	111		70 - 130			03/18/24 10:16	03/19/24 02:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	662	*-	5.00	mg/Kg			03/19/24 10:45	1

Client Sample ID: SW-05

Lab Sample ID: 880-40879-43

Date Collected: 03/14/24 13:12

Matrix: Solid

Date Received: 03/14/24 17:19

Sample Depth: 0-0.75'

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		03/15/24 10:17	03/18/24 12:44	1
Toluene	<0.00201	U	0.00201	mg/Kg		03/15/24 10:17	03/18/24 12:44	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/15/24 10:17	03/18/24 12:44	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		03/15/24 10:17	03/18/24 12:44	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/15/24 10:17	03/18/24 12:44	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/15/24 10:17	03/18/24 12:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130			03/15/24 10:17	03/18/24 12:44	1
1,4-Difluorobenzene (Surr)	112		70 - 130			03/15/24 10:17	03/18/24 12:44	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			03/18/24 12:44	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	50.0		49.5	mg/Kg			03/19/24 02:33	1

Eurofins Midland

Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

Client Sample ID: SW-05
Date Collected: 03/14/24 13:12
Date Received: 03/14/24 17:19
Sample Depth: 0-0.75'

Lab Sample ID: 880-40879-43
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	<49.5	U	49.5	mg/Kg		03/18/24 10:16	03/19/24 02:33	1	
Diesel Range Organics (Over C10-C28)	50.0		49.5	mg/Kg		03/18/24 10:16	03/19/24 02:33	1	
OII Range Organics (Over C28-C36)	<49.5	U	49.5	mg/Kg		03/18/24 10:16	03/19/24 02:33	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	90		70 - 130			03/18/24 10:16	03/19/24 02:33	1	
o-Terphenyl	95		70 - 130			03/18/24 10:16	03/19/24 02:33	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	439	*-	5.04	mg/Kg			03/19/24 10:52	1	

Surrogate Summary

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)**Matrix: Solid****Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
880-40879-1	SS50	129	81
880-40879-1 MS	SS50	141 S1+	107
880-40879-1 MSD	SS50	131 S1+	91
880-40879-2	SS49	135 S1+	79
880-40879-3	SS48	145 S1+	83
880-40879-4	SS47	139 S1+	87
880-40879-5	SS46	144 S1+	87
880-40879-6	SS45	139 S1+	87
880-40879-7	SS44	123	84
880-40879-8	SS43	139 S1+	82
880-40879-9	SS82	116	78
880-40879-10	SS83	128	86
880-40879-11	SS84	128	81
880-40879-12	SS85	149 S1+	90
880-40879-13	SS86	93	65 S1-
880-40879-14	SS87	119	75
880-40879-15	SS88	153 S1+	92
880-40879-16	SS89	139 S1+	85
880-40879-17	FS-04	103	79
880-40879-18	FS-05	161 S1+	96
880-40879-19	FS-06	154 S1+	92
880-40879-20	FS-07	125	74
880-40879-21	FS-08	103	70
880-40879-21 MS	FS-08	137 S1+	97
880-40879-21 MSD	FS-08	142 S1+	79
880-40879-22	FS-09	89	74
880-40879-23	SW-02	109	72
880-40879-24	SW-03	112	68 S1-
880-40879-25	FS-15	115	69 S1-
880-40879-26	FS-16	91	72
880-40879-27	FS-17	102	76
880-40879-28	FS-18	92	65 S1-
880-40879-29	FS-19	90	80
880-40879-30	FS-20	107	70
880-40879-31	FS-21	109	67 S1-
880-40879-32	FS-22	95	77
880-40879-33	FS-23	99	64 S1-
880-40879-34	SW-06	108	71
880-40879-35	SW-07	96	77
880-40879-36	SW-08	100	72
880-40879-37	FS-10	91	74
880-40879-38	FS-11	90	76
880-40879-39	FS-12	113	70
880-40879-40	FS-13	112	74
880-40879-41	FS-14	89	113
880-40879-41 MS	FS-14	112	103
880-40879-41 MSD	FS-14	102	103
880-40879-42	SW-04	110	109
880-40879-43	SW-05	118	112

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Surrogate Summary

Client: Ensolum

Job ID: 880-40879-1

Project/Site: Raspberry State Com 001H

SDG: Lea County, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
LCS 880-75685/1-A	Lab Control Sample	141 S1+	96
LCS 880-75686/1-A	Lab Control Sample	132 S1+	82
LCS 880-75691/1-A	Lab Control Sample	100	104
LCSD 880-75685/2-A	Lab Control Sample Dup	128	87
LCSD 880-75686/2-A	Lab Control Sample Dup	135 S1+	82
LCSD 880-75691/2-A	Lab Control Sample Dup	100	100
MB 880-75630/5-A	Method Blank	84	82
MB 880-75685/5-A	Method Blank	79	82
MB 880-75686/5-A	Method Blank	90	74
MB 880-75691/5-A	Method Blank	141 S1+	132 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)
880-40879-1	SS50	108	87
880-40879-2	SS49	107	89
880-40879-3	SS48	97	84
880-40879-4	SS47	101	85
880-40879-5	SS46	122	101
880-40879-6	SS45	100	84
880-40879-7	SS44	96	81
880-40879-8	SS43	107	87
880-40879-9	SS82	104	83
880-40879-10	SS83	108	117
880-40879-11	SS84	69 S1-	70
880-40879-12	SS85	89	95
880-40879-13	SS86	85	92
880-40879-14	SS87	85	93
880-40879-15	SS88	64 S1-	66 S1-
880-40879-16	SS89	97	106
880-40879-17	FS-04	78	83
880-40879-17 MS	FS-04	82	76
880-40879-17 MSD	FS-04	80	73
880-40879-18	FS-05	75	79
880-40879-19	FS-06	81	83
880-40879-20	FS-07	75	77
880-40879-21	FS-08	77	84
880-40879-22	FS-09	70	75
880-40879-23	SW-02	69 S1-	73
880-40879-24	SW-03	76	80
880-40879-25	FS-15	65 S1-	66 S1-
880-40879-26	FS-16	65 S1-	67 S1-
880-40879-27	FS-17	67 S1-	71
880-40879-28	FS-18	67 S1-	69 S1-

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Surrogate Summary

Client: Ensolum

Job ID: 880-40879-1

Project/Site: Raspberry State Com 001H

SDG: Lea County, NM

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)
880-40879-29	FS-19	67 S1-	69 S1-
880-40879-30	FS-20	75	79
880-40879-31	FS-21	94	100
880-40879-32	FS-22	103	106
880-40879-33	FS-23	129	131 S1+
880-40879-34	SW-06	101	104
880-40879-35	SW-07	97	101
880-40879-35 MS	SW-07	94	87
880-40879-35 MSD	SW-07	90	83
880-40879-36	SW-08	75	78
880-40879-37	FS-10	93	95
880-40879-38	FS-11	101	105
880-40879-39	FS-12	96	101
880-40879-40	FS-13	88	93
880-40879-41	FS-14	87	92
880-40879-42	SW-04	109	111
880-40879-43	SW-05	90	95
LCS 880-75647/2-A	Lab Control Sample	26 S1-	22 S1-
LCS 880-75694/2-A	Lab Control Sample	114	137 S1+
LCS 880-75817/2-A	Lab Control Sample	96	114
LCSD 880-75647/3-A	Lab Control Sample Dup	91	90
LCSD 880-75694/3-A	Lab Control Sample Dup	97	112
LCSD 880-75817/3-A	Lab Control Sample Dup	85	97
MB 880-75647/1-A	Method Blank	168 S1+	152 S1+
MB 880-75694/1-A	Method Blank	136 S1+	155 S1+
MB 880-75817/1-A	Method Blank	137 S1+	160 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-75630/5-A						Client Sample ID: Method Blank		
Matrix: Solid						Prep Type: Total/NA		
Analysis Batch: 75668						Prep Batch: 75630		
Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/14/24 14:42	03/15/24 11:39	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/14/24 14:42	03/15/24 11:39	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/14/24 14:42	03/15/24 11:39	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/14/24 14:42	03/15/24 11:39	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/14/24 14:42	03/15/24 11:39	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/14/24 14:42	03/15/24 11:39	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130			03/14/24 14:42	03/15/24 11:39	1
1,4-Difluorobenzene (Surr)	82		70 - 130			03/14/24 14:42	03/15/24 11:39	1

Lab Sample ID: MB 880-75685/5-A						Client Sample ID: Method Blank		
Matrix: Solid						Prep Type: Total/NA		
Analysis Batch: 75671						Prep Batch: 75685		
Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/15/24 10:09	03/15/24 12:46	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/15/24 10:09	03/15/24 12:46	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/15/24 10:09	03/15/24 12:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/15/24 10:09	03/15/24 12:46	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/15/24 10:09	03/15/24 12:46	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/15/24 10:09	03/15/24 12:46	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		70 - 130			03/15/24 10:09	03/15/24 12:46	1
1,4-Difluorobenzene (Surr)	82		70 - 130			03/15/24 10:09	03/15/24 12:46	1

Lab Sample ID: LCS 880-75685/1-A						Client Sample ID: Lab Control Sample		
Matrix: Solid						Prep Type: Total/NA		
Analysis Batch: 75671						Prep Batch: 75685		
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Benzene	0.100	0.08971		mg/Kg		90	70 - 130	
Toluene	0.100	0.09169		mg/Kg		92	70 - 130	
Ethylbenzene	0.100	0.09194		mg/Kg		92	70 - 130	
m-Xylene & p-Xylene	0.200	0.1840		mg/Kg		92	70 - 130	
o-Xylene	0.100	0.09566		mg/Kg		96	70 - 130	
Surrogate	LCS %Recovery	LCS Qualifier	Limits					
4-Bromofluorobenzene (Surr)	141	S1+	70 - 130					
1,4-Difluorobenzene (Surr)	96		70 - 130					

Lab Sample ID: LCSD 880-75685/2-A						Client Sample ID: Lab Control Sample Dup		
Matrix: Solid						Prep Type: Total/NA		
Analysis Batch: 75671						Prep Batch: 75685		
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD Limit
Benzene	0.100	0.08551		mg/Kg		86	70 - 130	5 35

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QC Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-75685/2-A
Matrix: Solid
Analysis Batch: 75671

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 75685

Analyte	Spike		LCSD	LCSD	Unit	D	%Rec	%Rec		RPD
	Added	Result	Qualifier	Limit				Limits	RPD	
Toluene	0.100	0.08716			mg/Kg		87	70 - 130	5	35
Ethylbenzene	0.100	0.08814			mg/Kg		88	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.1763			mg/Kg		88	70 - 130	4	35
o-Xylene	0.100	0.09070			mg/Kg		91	70 - 130	5	35

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	128		70 - 130
1,4-Difluorobenzene (Surr)	87		70 - 130

Lab Sample ID: 880-40879-1 MS
Matrix: Solid
Analysis Batch: 75671

Client Sample ID: SS50
Prep Type: Total/NA
Prep Batch: 75685

Analyte	Sample		Spike	MS		Unit	D	%Rec	%Rec	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD
Benzene	<0.00199	U	0.0996	0.1290		mg/Kg		130	70 - 130	
Toluene	<0.00199	U	0.0996	0.1284		mg/Kg		129	70 - 130	
Ethylbenzene	<0.00199	U	0.0996	0.1263		mg/Kg		127	70 - 130	
m-Xylene & p-Xylene	<0.00398	U	0.199	0.2530		mg/Kg		127	70 - 130	
o-Xylene	<0.00199	U	0.0996	0.1232		mg/Kg		124	70 - 130	

Surrogate	MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	141	S1+	70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: 880-40879-1 MSD
Matrix: Solid
Analysis Batch: 75671

Client Sample ID: SS50
Prep Type: Total/NA
Prep Batch: 75685

Surrogate	MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: MB 880-75686/5-A
Matrix: Solid
Analysis Batch: 75668

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 75686

Analyte	MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Benzene	<0.00200	U	0.00200	mg/Kg		03/15/24 10:14	03/15/24 22:14	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/15/24 10:14	03/15/24 22:14	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/15/24 10:14	03/15/24 22:14	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/15/24 10:14	03/15/24 22:14	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/15/24 10:14	03/15/24 22:14	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/15/24 10:14	03/15/24 22:14	1

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	90		70 - 130	03/15/24 10:14	03/15/24 22:14	1
1,4-Difluorobenzene (Surr)	74		70 - 130	03/15/24 10:14	03/15/24 22:14	1

QC Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-75686/1-A

Matrix: Solid

Analysis Batch: 75668

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 75686

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08262		mg/Kg		83	70 - 130
Toluene	0.100	0.09005		mg/Kg		90	70 - 130
Ethylbenzene	0.100	0.1143		mg/Kg		114	70 - 130
m-Xylene & p-Xylene	0.200	0.2301		mg/Kg		115	70 - 130
o-Xylene	0.100	0.1176		mg/Kg		118	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130
1,4-Difluorobenzene (Surr)	82		70 - 130

Lab Sample ID: LCSD 880-75686/2-A

Matrix: Solid

Analysis Batch: 75668

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 75686

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08299		mg/Kg		83	70 - 130	0	35
Toluene	0.100	0.08955		mg/Kg		90	70 - 130	1	35
Ethylbenzene	0.100	0.1100		mg/Kg		110	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.2250		mg/Kg		113	70 - 130	2	35
o-Xylene	0.100	0.1157		mg/Kg		116	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130
1,4-Difluorobenzene (Surr)	82		70 - 130

Lab Sample ID: 880-40879-21 MS

Matrix: Solid

Analysis Batch: 75668

Client Sample ID: FS-08

Prep Type: Total/NA

Prep Batch: 75686

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0996	0.08256		mg/Kg		83	70 - 130
Toluene	<0.00199	U	0.0996	0.08778		mg/Kg		88	70 - 130
Ethylbenzene	<0.00199	U	0.0996	0.1128		mg/Kg		113	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.199	0.2204		mg/Kg		111	70 - 130
o-Xylene	<0.00199	U	0.0996	0.1121		mg/Kg		113	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 880-40879-21 MSD

Matrix: Solid

Analysis Batch: 75668

Client Sample ID: FS-08

Prep Type: Total/NA

Prep Batch: 75686

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	0.08670		mg/Kg		86	70 - 130	5	35
Toluene	<0.00199	U	0.101	0.09292		mg/Kg		92	70 - 130	6	35
Ethylbenzene	<0.00199	U	0.101	0.1237		mg/Kg		123	70 - 130	9	35

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QC Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

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

Lab Sample ID: 880-40879-21 MSD
Matrix: Solid
Analysis Batch: 75668

Client Sample ID: FS-08
Prep Type: Total/NA
Prep Batch: 75686

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00398	U	0.202	0.2428		mg/Kg		120	70 - 130	10	35
o-Xylene	<0.00199	U	0.101	0.1232		mg/Kg		122	70 - 130	9	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	142	S1+	70 - 130								
1,4-Difluorobenzene (Surr)	79		70 - 130								

Lab Sample ID: MB 880-75691/5-A
Matrix: Solid
Analysis Batch: 75798

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 75691

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/15/24 10:17	03/18/24 11:34	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/15/24 10:17	03/18/24 11:34	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/15/24 10:17	03/18/24 11:34	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/15/24 10:17	03/18/24 11:34	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/15/24 10:17	03/18/24 11:34	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/15/24 10:17	03/18/24 11:34	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	141	S1+	70 - 130			03/15/24 10:17	03/18/24 11:34	1
1,4-Difluorobenzene (Surr)	132	S1+	70 - 130			03/15/24 10:17	03/18/24 11:34	1

Lab Sample ID: LCS 880-75691/1-A
Matrix: Solid
Analysis Batch: 75798

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 75691

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1047		mg/Kg		105	70 - 130
Toluene	0.100	0.09217		mg/Kg		92	70 - 130
Ethylbenzene	0.100	0.1005		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	0.200	0.2074		mg/Kg		104	70 - 130
o-Xylene	0.100	0.1013		mg/Kg		101	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	100		70 - 130				
1,4-Difluorobenzene (Surr)	104		70 - 130				

Lab Sample ID: LCSD 880-75691/2-A
Matrix: Solid
Analysis Batch: 75798

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 75691

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1091		mg/Kg		109	70 - 130	4	35
Toluene	0.100	0.1022		mg/Kg		102	70 - 130	10	35
Ethylbenzene	0.100	0.1071		mg/Kg		107	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.2157		mg/Kg		108	70 - 130	4	35
o-Xylene	0.100	0.1056		mg/Kg		106	70 - 130	4	35

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QC Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

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

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

Lab Sample ID: 880-40879-41 MS
Matrix: Solid
Analysis Batch: 75798

Client Sample ID: FS-14
Prep Type: Total/NA
Prep Batch: 75691

Sample		Sample	Spike	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	<0.00199	U	0.0996	0.07706		mg/Kg		77	70 - 130
Toluene	<0.00199	U F1	0.0996	0.06303	F1	mg/Kg		63	70 - 130
Ethylbenzene	<0.00199	U F1	0.0996	0.06771	F1	mg/Kg		68	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1	0.199	0.03648	F1	mg/Kg		18	70 - 130
o-Xylene	<0.00199	U	0.0996	0.08972		mg/Kg		90	70 - 130

MS		MS		
Surrogate	%Recovery	Qualifier	Limits	
4-Bromofluorobenzene (Surr)	112		70 - 130	
1,4-Difluorobenzene (Surr)	103		70 - 130	

Lab Sample ID: 880-40879-41 MSD
Matrix: Solid
Analysis Batch: 75798

Client Sample ID: FS-14
Prep Type: Total/NA
Prep Batch: 75691

Sample		Sample	Spike	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00199	U	0.101	0.08569		mg/Kg		85	70 - 130	11	35
Toluene	<0.00199	U F1	0.101	0.06165	F1	mg/Kg		61	70 - 130	2	35
Ethylbenzene	<0.00199	U F1	0.101	0.07887		mg/Kg		78	70 - 130	15	35
m-Xylene & p-Xylene	<0.00398	U F1	0.202	0.02982	F1	mg/Kg		15	70 - 130	20	35
o-Xylene	<0.00199	U	0.101	0.09578		mg/Kg		95	70 - 130	7	35

MSD		MSD		
Surrogate	%Recovery	Qualifier	Limits	
4-Bromofluorobenzene (Surr)	102		70 - 130	
1,4-Difluorobenzene (Surr)	103		70 - 130	

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

Lab Sample ID: MB 880-75647/1-A
Matrix: Solid
Analysis Batch: 75655

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 75647

MB		MB								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil	Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/14/24 16:40	03/15/24 18:07		1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/14/24 16:40	03/15/24 18:07		1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/14/24 16:40	03/15/24 18:07		1	

MB		MB								
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac			
1-Chlorooctane	168	S1+	70 - 130	03/14/24 16:40	03/15/24 18:07		1			
o-Terphenyl	152	S1+	70 - 130	03/14/24 16:40	03/15/24 18:07		1			

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QC Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-75647/2-A
Matrix: Solid
Analysis Batch: 75655

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 75647

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	370.8	*-	mg/Kg		37	70 - 130
Diesel Range Organics (Over C10-C28)	1000	254.1	*-	mg/Kg		25	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	26	S1-	70 - 130				
o-Terphenyl	22	S1-	70 - 130				

Lab Sample ID: LCSD 880-75647/3-A
Matrix: Solid
Analysis Batch: 75655

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 75647

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	801.2	*1	mg/Kg		80	70 - 130	73	20
Diesel Range Organics (Over C10-C28)	1000	978.1	*1	mg/Kg		98	70 - 130	118	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	91		70 - 130						
o-Terphenyl	90		70 - 130						

Lab Sample ID: MB 880-75694/1-A
Matrix: Solid
Analysis Batch: 75778

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 75694

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		03/15/24 10:23	03/18/24 08:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/15/24 10:23	03/18/24 08:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/15/24 10:23	03/18/24 08:02	1
Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac		
1-Chlorooctane	136	S1+	70 - 130	03/15/24 10:23	03/18/24 08:02	1		
o-Terphenyl	155	S1+	70 - 130	03/15/24 10:23	03/18/24 08:02	1		

Lab Sample ID: LCS 880-75694/2-A
Matrix: Solid
Analysis Batch: 75778

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 75694

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	912.4		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	1000	930.4		mg/Kg		93	70 - 130

QC Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-75694/2-A
Matrix: Solid
Analysis Batch: 75778

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 75694

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	114		70 - 130
o-Terphenyl	137	S1+	70 - 130

Lab Sample ID: LCSD 880-75694/3-A
Matrix: Solid
Analysis Batch: 75778

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 75694

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	851.3		mg/Kg		85	70 - 130	7	20
Diesel Range Organics (Over C10-C28)			1000	894.4		mg/Kg		89	70 - 130	4	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenyl	112		70 - 130

Lab Sample ID: 880-40879-17 MS
Matrix: Solid
Analysis Batch: 75778

Client Sample ID: FS-04
Prep Type: Total/NA
Prep Batch: 75694

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	1000	1239		mg/Kg		121	70 - 130		
Diesel Range Organics (Over C10-C28)	68.6		1000	893.3		mg/Kg		82	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	82		70 - 130
o-Terphenyl	76		70 - 130

Lab Sample ID: 880-40879-17 MSD
Matrix: Solid
Analysis Batch: 75778

Client Sample ID: FS-04
Prep Type: Total/NA
Prep Batch: 75694

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	1000	1197		mg/Kg		117	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	68.6		1000	869.5		mg/Kg		80	70 - 130	3	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	80		70 - 130
o-Terphenyl	73		70 - 130

QC Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-75817/1-A

Matrix: Solid

Analysis Batch: 75778

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 75817

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		03/18/24 10:16	03/18/24 19:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/18/24 10:16	03/18/24 19:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/18/24 10:16	03/18/24 19:52	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	137	S1+	70 - 130			03/18/24 10:16	03/18/24 19:52	1
o-Terphenyl	160	S1+	70 - 130			03/18/24 10:16	03/18/24 19:52	1

Lab Sample ID: LCS 880-75817/2-A

Matrix: Solid

Analysis Batch: 75778

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 75817

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	872.4		mg/Kg		87	70 - 130
Diesel Range Organics (Over C10-C28)	1000	742.7		mg/Kg		74	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	96		70 - 130				
o-Terphenyl	114		70 - 130				

Lab Sample ID: LCSD 880-75817/3-A

Matrix: Solid

Analysis Batch: 75778

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 75817

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	873.9		mg/Kg		87	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	765.6		mg/Kg		77	70 - 130	3	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	85		70 - 130						
o-Terphenyl	97		70 - 130						

Lab Sample ID: 880-40879-35 MS

Matrix: Solid

Analysis Batch: 75778

Client Sample ID: SW-07

Prep Type: Total/NA

Prep Batch: 75817

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	890.8		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	55.6		1000	883.6		mg/Kg		83	70 - 130

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QC Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

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

Lab Sample ID: 880-40879-35 MS
Matrix: Solid
Analysis Batch: 75778

Client Sample ID: SW-07
Prep Type: Total/NA
Prep Batch: 75817

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	94		70 - 130
o-Terphenyl	87		70 - 130

Lab Sample ID: 880-40879-35 MSD
Matrix: Solid
Analysis Batch: 75778

Client Sample ID: SW-07
Prep Type: Total/NA
Prep Batch: 75817

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	855.3		mg/Kg		82	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	55.6		1000	842.1		mg/Kg		79	70 - 130	5	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	90		70 - 130
o-Terphenyl	83		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-75673/1-A
Matrix: Solid
Analysis Batch: 75734

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			03/15/24 17:16	1

Lab Sample ID: LCS 880-75673/2-A
Matrix: Solid
Analysis Batch: 75734

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	243.6		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-75673/3-A
Matrix: Solid
Analysis Batch: 75734

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	243.9		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-40879-1 MS
Matrix: Solid
Analysis Batch: 75734

Client Sample ID: SS50
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	83.2		250	337.8		mg/Kg		102	90 - 110

QC Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-40879-1 MSD Matrix: Solid Analysis Batch: 75734										Client Sample ID: SS50 Prep Type: Soluble		
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	83.2		250	337.9		mg/Kg		102	90 - 110	0	20	
Lab Sample ID: 880-40879-11 MS Matrix: Solid Analysis Batch: 75734										Client Sample ID: SS84 Prep Type: Soluble		
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits			
Chloride	101		252	377.2		mg/Kg		110	90 - 110			
Lab Sample ID: 880-40879-11 MSD Matrix: Solid Analysis Batch: 75734										Client Sample ID: SS84 Prep Type: Soluble		
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	101		252	377.6		mg/Kg		110	90 - 110	0	20	
Lab Sample ID: MB 880-75674/1-A Matrix: Solid Analysis Batch: 75735										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			03/15/24 23:29		1		
Lab Sample ID: LCS 880-75674/2-A Matrix: Solid Analysis Batch: 75735										Client Sample ID: Lab Control Sample Prep Type: Soluble		
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits			
Chloride			250	244.4		mg/Kg		98	90 - 110			
Lab Sample ID: LCSD 880-75674/3-A Matrix: Solid Analysis Batch: 75735										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	244.5		mg/Kg		98	90 - 110	0	20	
Lab Sample ID: 880-40879-21 MS Matrix: Solid Analysis Batch: 75735										Client Sample ID: FS-08 Prep Type: Soluble		
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits			
Chloride	76.4		252	339.6		mg/Kg		105	90 - 110			
Lab Sample ID: 880-40879-21 MSD Matrix: Solid Analysis Batch: 75735										Client Sample ID: FS-08 Prep Type: Soluble		
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	76.4		252	342.2		mg/Kg		106	90 - 110	1	20	

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QC Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-40879-31 MS Matrix: Solid Analysis Batch: 75735											Client Sample ID: FS-21 Prep Type: Soluble		
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits				
Chloride	136		253	407.1		mg/Kg		107	90 - 110				

Lab Sample ID: 880-40879-31 MSD Matrix: Solid Analysis Batch: 75735											Client Sample ID: FS-21 Prep Type: Soluble		
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Chloride	136		253	408.2		mg/Kg		108	90 - 110	0	20		

Lab Sample ID: MB 880-75726/1-A Matrix: Solid Analysis Batch: 75933											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			03/19/24 09:46	1				

Lab Sample ID: LCS 880-75726/2-A Matrix: Solid Analysis Batch: 75933											Client Sample ID: Lab Control Sample Prep Type: Soluble		
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits				
Chloride			250	226.8		mg/Kg		91	90 - 110				

Lab Sample ID: LCSD 880-75726/3-A Matrix: Solid Analysis Batch: 75933											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	222.3	*-	mg/Kg		89	90 - 110	2	20		

QC Association Summary

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

GC VOA

Prep Batch: 75630

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-75630/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 75668

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40879-21	FS-08	Total/NA	Solid	8021B	75686
880-40879-22	FS-09	Total/NA	Solid	8021B	75686
880-40879-23	SW-02	Total/NA	Solid	8021B	75686
880-40879-24	SW-03	Total/NA	Solid	8021B	75686
880-40879-25	FS-15	Total/NA	Solid	8021B	75686
880-40879-26	FS-16	Total/NA	Solid	8021B	75686
880-40879-27	FS-17	Total/NA	Solid	8021B	75686
880-40879-28	FS-18	Total/NA	Solid	8021B	75686
880-40879-29	FS-19	Total/NA	Solid	8021B	75686
880-40879-30	FS-20	Total/NA	Solid	8021B	75686
880-40879-31	FS-21	Total/NA	Solid	8021B	75686
880-40879-32	FS-22	Total/NA	Solid	8021B	75686
880-40879-33	FS-23	Total/NA	Solid	8021B	75686
880-40879-34	SW-06	Total/NA	Solid	8021B	75686
880-40879-35	SW-07	Total/NA	Solid	8021B	75686
880-40879-36	SW-08	Total/NA	Solid	8021B	75686
880-40879-37	FS-10	Total/NA	Solid	8021B	75686
880-40879-38	FS-11	Total/NA	Solid	8021B	75686
880-40879-39	FS-12	Total/NA	Solid	8021B	75686
880-40879-40	FS-13	Total/NA	Solid	8021B	75686
MB 880-75630/5-A	Method Blank	Total/NA	Solid	8021B	75630
MB 880-75686/5-A	Method Blank	Total/NA	Solid	8021B	75686
LCS 880-75686/1-A	Lab Control Sample	Total/NA	Solid	8021B	75686
LCSD 880-75686/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	75686
880-40879-21 MS	FS-08	Total/NA	Solid	8021B	75686
880-40879-21 MSD	FS-08	Total/NA	Solid	8021B	75686

Analysis Batch: 75671

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40879-1	SS50	Total/NA	Solid	8021B	75685
880-40879-2	SS49	Total/NA	Solid	8021B	75685
880-40879-3	SS48	Total/NA	Solid	8021B	75685
880-40879-4	SS47	Total/NA	Solid	8021B	75685
880-40879-5	SS46	Total/NA	Solid	8021B	75685
880-40879-6	SS45	Total/NA	Solid	8021B	75685
880-40879-7	SS44	Total/NA	Solid	8021B	75685
880-40879-8	SS43	Total/NA	Solid	8021B	75685
880-40879-9	SS82	Total/NA	Solid	8021B	75685
880-40879-10	SS83	Total/NA	Solid	8021B	75685
880-40879-11	SS84	Total/NA	Solid	8021B	75685
880-40879-12	SS85	Total/NA	Solid	8021B	75685
880-40879-13	SS86	Total/NA	Solid	8021B	75685
880-40879-14	SS87	Total/NA	Solid	8021B	75685
880-40879-15	SS88	Total/NA	Solid	8021B	75685
880-40879-16	SS89	Total/NA	Solid	8021B	75685
880-40879-17	FS-04	Total/NA	Solid	8021B	75685
880-40879-18	FS-05	Total/NA	Solid	8021B	75685

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QC Association Summary

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

GC VOA (Continued)

Analysis Batch: 75671 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40879-19	FS-06	Total/NA	Solid	8021B	75685
880-40879-20	FS-07	Total/NA	Solid	8021B	75685
MB 880-75685/5-A	Method Blank	Total/NA	Solid	8021B	75685
LCS 880-75685/1-A	Lab Control Sample	Total/NA	Solid	8021B	75685
LCSD 880-75685/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	75685
880-40879-1 MS	SS50	Total/NA	Solid	8021B	75685
880-40879-1 MSD	SS50	Total/NA	Solid	8021B	75685

Prep Batch: 75685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40879-1	SS50	Total/NA	Solid	5035	
880-40879-2	SS49	Total/NA	Solid	5035	
880-40879-3	SS48	Total/NA	Solid	5035	
880-40879-4	SS47	Total/NA	Solid	5035	
880-40879-5	SS46	Total/NA	Solid	5035	
880-40879-6	SS45	Total/NA	Solid	5035	
880-40879-7	SS44	Total/NA	Solid	5035	
880-40879-8	SS43	Total/NA	Solid	5035	
880-40879-9	SS82	Total/NA	Solid	5035	
880-40879-10	SS83	Total/NA	Solid	5035	
880-40879-11	SS84	Total/NA	Solid	5035	
880-40879-12	SS85	Total/NA	Solid	5035	
880-40879-13	SS86	Total/NA	Solid	5035	
880-40879-14	SS87	Total/NA	Solid	5035	
880-40879-15	SS88	Total/NA	Solid	5035	
880-40879-16	SS89	Total/NA	Solid	5035	
880-40879-17	FS-04	Total/NA	Solid	5035	
880-40879-18	FS-05	Total/NA	Solid	5035	
880-40879-19	FS-06	Total/NA	Solid	5035	
880-40879-20	FS-07	Total/NA	Solid	5035	
MB 880-75685/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-75685/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-75685/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-40879-1 MS	SS50	Total/NA	Solid	5035	
880-40879-1 MSD	SS50	Total/NA	Solid	5035	

Prep Batch: 75686

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40879-21	FS-08	Total/NA	Solid	5035	
880-40879-22	FS-09	Total/NA	Solid	5035	
880-40879-23	SW-02	Total/NA	Solid	5035	
880-40879-24	SW-03	Total/NA	Solid	5035	
880-40879-25	FS-15	Total/NA	Solid	5035	
880-40879-26	FS-16	Total/NA	Solid	5035	
880-40879-27	FS-17	Total/NA	Solid	5035	
880-40879-28	FS-18	Total/NA	Solid	5035	
880-40879-29	FS-19	Total/NA	Solid	5035	
880-40879-30	FS-20	Total/NA	Solid	5035	
880-40879-31	FS-21	Total/NA	Solid	5035	
880-40879-32	FS-22	Total/NA	Solid	5035	
880-40879-33	FS-23	Total/NA	Solid	5035	

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QC Association Summary

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

GC VOA (Continued)

Prep Batch: 75686 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40879-34	SW-06	Total/NA	Solid	5035	
880-40879-35	SW-07	Total/NA	Solid	5035	
880-40879-36	SW-08	Total/NA	Solid	5035	
880-40879-37	FS-10	Total/NA	Solid	5035	
880-40879-38	FS-11	Total/NA	Solid	5035	
880-40879-39	FS-12	Total/NA	Solid	5035	
880-40879-40	FS-13	Total/NA	Solid	5035	
MB 880-75686/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-75686/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-75686/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-40879-21 MS	FS-08	Total/NA	Solid	5035	
880-40879-21 MSD	FS-08	Total/NA	Solid	5035	

Prep Batch: 75691

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40879-41	FS-14	Total/NA	Solid	5035	
880-40879-42	SW-04	Total/NA	Solid	5035	
880-40879-43	SW-05	Total/NA	Solid	5035	
MB 880-75691/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-75691/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-75691/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-40879-41 MS	FS-14	Total/NA	Solid	5035	
880-40879-41 MSD	FS-14	Total/NA	Solid	5035	

Analysis Batch: 75798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40879-41	FS-14	Total/NA	Solid	8021B	75691
880-40879-42	SW-04	Total/NA	Solid	8021B	75691
880-40879-43	SW-05	Total/NA	Solid	8021B	75691
MB 880-75691/5-A	Method Blank	Total/NA	Solid	8021B	75691
LCS 880-75691/1-A	Lab Control Sample	Total/NA	Solid	8021B	75691
LCSD 880-75691/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	75691
880-40879-41 MS	FS-14	Total/NA	Solid	8021B	75691
880-40879-41 MSD	FS-14	Total/NA	Solid	8021B	75691

Analysis Batch: 75831

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40879-1	SS50	Total/NA	Solid	Total BTEX	
880-40879-2	SS49	Total/NA	Solid	Total BTEX	
880-40879-3	SS48	Total/NA	Solid	Total BTEX	
880-40879-4	SS47	Total/NA	Solid	Total BTEX	
880-40879-5	SS46	Total/NA	Solid	Total BTEX	
880-40879-6	SS45	Total/NA	Solid	Total BTEX	
880-40879-7	SS44	Total/NA	Solid	Total BTEX	
880-40879-8	SS43	Total/NA	Solid	Total BTEX	
880-40879-9	SS82	Total/NA	Solid	Total BTEX	
880-40879-10	SS83	Total/NA	Solid	Total BTEX	
880-40879-11	SS84	Total/NA	Solid	Total BTEX	
880-40879-12	SS85	Total/NA	Solid	Total BTEX	
880-40879-13	SS86	Total/NA	Solid	Total BTEX	
880-40879-14	SS87	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

GC VOA (Continued)

Analysis Batch: 75831 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40879-15	SS88	Total/NA	Solid	Total BTEX	
880-40879-16	SS89	Total/NA	Solid	Total BTEX	
880-40879-17	FS-04	Total/NA	Solid	Total BTEX	
880-40879-18	FS-05	Total/NA	Solid	Total BTEX	
880-40879-19	FS-06	Total/NA	Solid	Total BTEX	
880-40879-20	FS-07	Total/NA	Solid	Total BTEX	
880-40879-21	FS-08	Total/NA	Solid	Total BTEX	
880-40879-22	FS-09	Total/NA	Solid	Total BTEX	
880-40879-23	SW-02	Total/NA	Solid	Total BTEX	
880-40879-24	SW-03	Total/NA	Solid	Total BTEX	
880-40879-25	FS-15	Total/NA	Solid	Total BTEX	
880-40879-26	FS-16	Total/NA	Solid	Total BTEX	
880-40879-27	FS-17	Total/NA	Solid	Total BTEX	
880-40879-28	FS-18	Total/NA	Solid	Total BTEX	
880-40879-29	FS-19	Total/NA	Solid	Total BTEX	
880-40879-30	FS-20	Total/NA	Solid	Total BTEX	
880-40879-31	FS-21	Total/NA	Solid	Total BTEX	
880-40879-32	FS-22	Total/NA	Solid	Total BTEX	
880-40879-33	FS-23	Total/NA	Solid	Total BTEX	
880-40879-34	SW-06	Total/NA	Solid	Total BTEX	
880-40879-35	SW-07	Total/NA	Solid	Total BTEX	
880-40879-36	SW-08	Total/NA	Solid	Total BTEX	
880-40879-37	FS-10	Total/NA	Solid	Total BTEX	
880-40879-38	FS-11	Total/NA	Solid	Total BTEX	
880-40879-39	FS-12	Total/NA	Solid	Total BTEX	
880-40879-40	FS-13	Total/NA	Solid	Total BTEX	
880-40879-41	FS-14	Total/NA	Solid	Total BTEX	
880-40879-42	SW-04	Total/NA	Solid	Total BTEX	
880-40879-43	SW-05	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 75647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40879-1	SS50	Total/NA	Solid	8015NM Prep	
880-40879-2	SS49	Total/NA	Solid	8015NM Prep	
880-40879-3	SS48	Total/NA	Solid	8015NM Prep	
880-40879-4	SS47	Total/NA	Solid	8015NM Prep	
880-40879-5	SS46	Total/NA	Solid	8015NM Prep	
880-40879-6	SS45	Total/NA	Solid	8015NM Prep	
880-40879-7	SS44	Total/NA	Solid	8015NM Prep	
880-40879-8	SS43	Total/NA	Solid	8015NM Prep	
880-40879-9	SS82	Total/NA	Solid	8015NM Prep	
MB 880-75647/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-75647/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-75647/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 75655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40879-1	SS50	Total/NA	Solid	8015B NM	75647
880-40879-2	SS49	Total/NA	Solid	8015B NM	75647

Eurofins Midland

QC Association Summary

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 75655 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40879-3	SS48	Total/NA	Solid	8015B NM	75647
880-40879-4	SS47	Total/NA	Solid	8015B NM	75647
880-40879-5	SS46	Total/NA	Solid	8015B NM	75647
880-40879-6	SS45	Total/NA	Solid	8015B NM	75647
880-40879-7	SS44	Total/NA	Solid	8015B NM	75647
880-40879-8	SS43	Total/NA	Solid	8015B NM	75647
880-40879-9	SS82	Total/NA	Solid	8015B NM	75647
MB 880-75647/1-A	Method Blank	Total/NA	Solid	8015B NM	75647
LCS 880-75647/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	75647
LCSD 880-75647/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	75647

Prep Batch: 75694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40879-10	SS83	Total/NA	Solid	8015NM Prep	
880-40879-11	SS84	Total/NA	Solid	8015NM Prep	
880-40879-12	SS85	Total/NA	Solid	8015NM Prep	
880-40879-13	SS86	Total/NA	Solid	8015NM Prep	
880-40879-14	SS87	Total/NA	Solid	8015NM Prep	
880-40879-15	SS88	Total/NA	Solid	8015NM Prep	
880-40879-16	SS89	Total/NA	Solid	8015NM Prep	
880-40879-17	FS-04	Total/NA	Solid	8015NM Prep	
880-40879-18	FS-05	Total/NA	Solid	8015NM Prep	
880-40879-19	FS-06	Total/NA	Solid	8015NM Prep	
880-40879-20	FS-07	Total/NA	Solid	8015NM Prep	
880-40879-21	FS-08	Total/NA	Solid	8015NM Prep	
880-40879-22	FS-09	Total/NA	Solid	8015NM Prep	
880-40879-23	SW-02	Total/NA	Solid	8015NM Prep	
880-40879-24	SW-03	Total/NA	Solid	8015NM Prep	
880-40879-25	FS-15	Total/NA	Solid	8015NM Prep	
880-40879-26	FS-16	Total/NA	Solid	8015NM Prep	
880-40879-27	FS-17	Total/NA	Solid	8015NM Prep	
880-40879-28	FS-18	Total/NA	Solid	8015NM Prep	
880-40879-29	FS-19	Total/NA	Solid	8015NM Prep	
MB 880-75694/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-75694/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-75694/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-40879-17 MS	FS-04	Total/NA	Solid	8015NM Prep	
880-40879-17 MSD	FS-04	Total/NA	Solid	8015NM Prep	

Analysis Batch: 75778

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40879-10	SS83	Total/NA	Solid	8015B NM	75694
880-40879-11	SS84	Total/NA	Solid	8015B NM	75694
880-40879-12	SS85	Total/NA	Solid	8015B NM	75694
880-40879-13	SS86	Total/NA	Solid	8015B NM	75694
880-40879-14	SS87	Total/NA	Solid	8015B NM	75694
880-40879-15	SS88	Total/NA	Solid	8015B NM	75694
880-40879-16	SS89	Total/NA	Solid	8015B NM	75694
880-40879-17	FS-04	Total/NA	Solid	8015B NM	75694
880-40879-18	FS-05	Total/NA	Solid	8015B NM	75694
880-40879-19	FS-06	Total/NA	Solid	8015B NM	75694

Eurofins Midland

QC Association Summary

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 75778 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40879-20	FS-07	Total/NA	Solid	8015B NM	75694
880-40879-21	FS-08	Total/NA	Solid	8015B NM	75694
880-40879-22	FS-09	Total/NA	Solid	8015B NM	75694
880-40879-23	SW-02	Total/NA	Solid	8015B NM	75694
880-40879-24	SW-03	Total/NA	Solid	8015B NM	75694
880-40879-25	FS-15	Total/NA	Solid	8015B NM	75694
880-40879-26	FS-16	Total/NA	Solid	8015B NM	75694
880-40879-27	FS-17	Total/NA	Solid	8015B NM	75694
880-40879-28	FS-18	Total/NA	Solid	8015B NM	75694
880-40879-29	FS-19	Total/NA	Solid	8015B NM	75694
880-40879-30	FS-20	Total/NA	Solid	8015B NM	75817
880-40879-31	FS-21	Total/NA	Solid	8015B NM	75817
880-40879-32	FS-22	Total/NA	Solid	8015B NM	75817
880-40879-33	FS-23	Total/NA	Solid	8015B NM	75817
880-40879-34	SW-06	Total/NA	Solid	8015B NM	75817
880-40879-35	SW-07	Total/NA	Solid	8015B NM	75817
880-40879-36	SW-08	Total/NA	Solid	8015B NM	75817
880-40879-37	FS-10	Total/NA	Solid	8015B NM	75817
880-40879-38	FS-11	Total/NA	Solid	8015B NM	75817
880-40879-39	FS-12	Total/NA	Solid	8015B NM	75817
880-40879-40	FS-13	Total/NA	Solid	8015B NM	75817
880-40879-41	FS-14	Total/NA	Solid	8015B NM	75817
880-40879-42	SW-04	Total/NA	Solid	8015B NM	75817
880-40879-43	SW-05	Total/NA	Solid	8015B NM	75817
MB 880-75694/1-A	Method Blank	Total/NA	Solid	8015B NM	75694
MB 880-75817/1-A	Method Blank	Total/NA	Solid	8015B NM	75817
LCS 880-75694/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	75694
LCS 880-75817/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	75817
LCSD 880-75694/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	75694
LCSD 880-75817/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	75817
880-40879-17 MS	FS-04	Total/NA	Solid	8015B NM	75694
880-40879-17 MSD	FS-04	Total/NA	Solid	8015B NM	75694
880-40879-35 MS	SW-07	Total/NA	Solid	8015B NM	75817
880-40879-35 MSD	SW-07	Total/NA	Solid	8015B NM	75817

Prep Batch: 75817

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40879-30	FS-20	Total/NA	Solid	8015NM Prep	
880-40879-31	FS-21	Total/NA	Solid	8015NM Prep	
880-40879-32	FS-22	Total/NA	Solid	8015NM Prep	
880-40879-33	FS-23	Total/NA	Solid	8015NM Prep	
880-40879-34	SW-06	Total/NA	Solid	8015NM Prep	
880-40879-35	SW-07	Total/NA	Solid	8015NM Prep	
880-40879-36	SW-08	Total/NA	Solid	8015NM Prep	
880-40879-37	FS-10	Total/NA	Solid	8015NM Prep	
880-40879-38	FS-11	Total/NA	Solid	8015NM Prep	
880-40879-39	FS-12	Total/NA	Solid	8015NM Prep	
880-40879-40	FS-13	Total/NA	Solid	8015NM Prep	
880-40879-41	FS-14	Total/NA	Solid	8015NM Prep	
880-40879-42	SW-04	Total/NA	Solid	8015NM Prep	
880-40879-43	SW-05	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Prep Batch: 75817 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-75817/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-75817/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-75817/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-40879-35 MS	SW-07	Total/NA	Solid	8015NM Prep	
880-40879-35 MSD	SW-07	Total/NA	Solid	8015NM Prep	

Analysis Batch: 75893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40879-1	SS50	Total/NA	Solid	8015 NM	
880-40879-2	SS49	Total/NA	Solid	8015 NM	
880-40879-3	SS48	Total/NA	Solid	8015 NM	
880-40879-4	SS47	Total/NA	Solid	8015 NM	
880-40879-5	SS46	Total/NA	Solid	8015 NM	
880-40879-6	SS45	Total/NA	Solid	8015 NM	
880-40879-7	SS44	Total/NA	Solid	8015 NM	
880-40879-8	SS43	Total/NA	Solid	8015 NM	
880-40879-9	SS82	Total/NA	Solid	8015 NM	
880-40879-10	SS83	Total/NA	Solid	8015 NM	
880-40879-11	SS84	Total/NA	Solid	8015 NM	
880-40879-12	SS85	Total/NA	Solid	8015 NM	
880-40879-13	SS86	Total/NA	Solid	8015 NM	
880-40879-14	SS87	Total/NA	Solid	8015 NM	
880-40879-15	SS88	Total/NA	Solid	8015 NM	
880-40879-16	SS89	Total/NA	Solid	8015 NM	
880-40879-17	FS-04	Total/NA	Solid	8015 NM	
880-40879-18	FS-05	Total/NA	Solid	8015 NM	
880-40879-19	FS-06	Total/NA	Solid	8015 NM	
880-40879-20	FS-07	Total/NA	Solid	8015 NM	
880-40879-21	FS-08	Total/NA	Solid	8015 NM	
880-40879-22	FS-09	Total/NA	Solid	8015 NM	
880-40879-23	SW-02	Total/NA	Solid	8015 NM	
880-40879-24	SW-03	Total/NA	Solid	8015 NM	
880-40879-25	FS-15	Total/NA	Solid	8015 NM	
880-40879-26	FS-16	Total/NA	Solid	8015 NM	
880-40879-27	FS-17	Total/NA	Solid	8015 NM	
880-40879-28	FS-18	Total/NA	Solid	8015 NM	
880-40879-29	FS-19	Total/NA	Solid	8015 NM	
880-40879-30	FS-20	Total/NA	Solid	8015 NM	
880-40879-31	FS-21	Total/NA	Solid	8015 NM	
880-40879-32	FS-22	Total/NA	Solid	8015 NM	
880-40879-33	FS-23	Total/NA	Solid	8015 NM	
880-40879-34	SW-06	Total/NA	Solid	8015 NM	
880-40879-35	SW-07	Total/NA	Solid	8015 NM	
880-40879-36	SW-08	Total/NA	Solid	8015 NM	
880-40879-37	FS-10	Total/NA	Solid	8015 NM	
880-40879-38	FS-11	Total/NA	Solid	8015 NM	
880-40879-39	FS-12	Total/NA	Solid	8015 NM	
880-40879-40	FS-13	Total/NA	Solid	8015 NM	
880-40879-41	FS-14	Total/NA	Solid	8015 NM	
880-40879-42	SW-04	Total/NA	Solid	8015 NM	
880-40879-43	SW-05	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

HPLC/IC

Leach Batch: 75673

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40879-1	SS50	Soluble	Solid	DI Leach	
880-40879-2	SS49	Soluble	Solid	DI Leach	
880-40879-3	SS48	Soluble	Solid	DI Leach	
880-40879-4	SS47	Soluble	Solid	DI Leach	
880-40879-5	SS46	Soluble	Solid	DI Leach	
880-40879-6	SS45	Soluble	Solid	DI Leach	
880-40879-7	SS44	Soluble	Solid	DI Leach	
880-40879-8	SS43	Soluble	Solid	DI Leach	
880-40879-9	SS82	Soluble	Solid	DI Leach	
880-40879-10	SS83	Soluble	Solid	DI Leach	
880-40879-11	SS84	Soluble	Solid	DI Leach	
880-40879-12	SS85	Soluble	Solid	DI Leach	
880-40879-13	SS86	Soluble	Solid	DI Leach	
880-40879-14	SS87	Soluble	Solid	DI Leach	
880-40879-15	SS88	Soluble	Solid	DI Leach	
880-40879-16	SS89	Soluble	Solid	DI Leach	
880-40879-17	FS-04	Soluble	Solid	DI Leach	
880-40879-18	FS-05	Soluble	Solid	DI Leach	
880-40879-19	FS-06	Soluble	Solid	DI Leach	
880-40879-20	FS-07	Soluble	Solid	DI Leach	
MB 880-75673/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-75673/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-75673/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-40879-1 MS	SS50	Soluble	Solid	DI Leach	
880-40879-1 MSD	SS50	Soluble	Solid	DI Leach	
880-40879-11 MS	SS84	Soluble	Solid	DI Leach	
880-40879-11 MSD	SS84	Soluble	Solid	DI Leach	

Leach Batch: 75674

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40879-21	FS-08	Soluble	Solid	DI Leach	
880-40879-22	FS-09	Soluble	Solid	DI Leach	
880-40879-23	SW-02	Soluble	Solid	DI Leach	
880-40879-24	SW-03	Soluble	Solid	DI Leach	
880-40879-25	FS-15	Soluble	Solid	DI Leach	
880-40879-26	FS-16	Soluble	Solid	DI Leach	
880-40879-27	FS-17	Soluble	Solid	DI Leach	
880-40879-28	FS-18	Soluble	Solid	DI Leach	
880-40879-29	FS-19	Soluble	Solid	DI Leach	
880-40879-30	FS-20	Soluble	Solid	DI Leach	
880-40879-31	FS-21	Soluble	Solid	DI Leach	
880-40879-32	FS-22	Soluble	Solid	DI Leach	
880-40879-33	FS-23	Soluble	Solid	DI Leach	
880-40879-34	SW-06	Soluble	Solid	DI Leach	
880-40879-35	SW-07	Soluble	Solid	DI Leach	
880-40879-36	SW-08	Soluble	Solid	DI Leach	
880-40879-37	FS-10	Soluble	Solid	DI Leach	
880-40879-38	FS-11	Soluble	Solid	DI Leach	
880-40879-39	FS-12	Soluble	Solid	DI Leach	
880-40879-40	FS-13	Soluble	Solid	DI Leach	
MB 880-75674/1-A	Method Blank	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

HPLC/IC (Continued)

Leach Batch: 75674 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-75674/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-75674/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-40879-21 MS	FS-08	Soluble	Solid	DI Leach	
880-40879-21 MSD	FS-08	Soluble	Solid	DI Leach	
880-40879-31 MS	FS-21	Soluble	Solid	DI Leach	
880-40879-31 MSD	FS-21	Soluble	Solid	DI Leach	

Leach Batch: 75726

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40879-41	FS-14	Soluble	Solid	DI Leach	
880-40879-42	SW-04	Soluble	Solid	DI Leach	
880-40879-43	SW-05	Soluble	Solid	DI Leach	
MB 880-75726/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-75726/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-75726/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 75734

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40879-1	SS50	Soluble	Solid	300.0	75673
880-40879-2	SS49	Soluble	Solid	300.0	75673
880-40879-3	SS48	Soluble	Solid	300.0	75673
880-40879-4	SS47	Soluble	Solid	300.0	75673
880-40879-5	SS46	Soluble	Solid	300.0	75673
880-40879-6	SS45	Soluble	Solid	300.0	75673
880-40879-7	SS44	Soluble	Solid	300.0	75673
880-40879-8	SS43	Soluble	Solid	300.0	75673
880-40879-9	SS82	Soluble	Solid	300.0	75673
880-40879-10	SS83	Soluble	Solid	300.0	75673
880-40879-11	SS84	Soluble	Solid	300.0	75673
880-40879-12	SS85	Soluble	Solid	300.0	75673
880-40879-13	SS86	Soluble	Solid	300.0	75673
880-40879-14	SS87	Soluble	Solid	300.0	75673
880-40879-15	SS88	Soluble	Solid	300.0	75673
880-40879-16	SS89	Soluble	Solid	300.0	75673
880-40879-17	FS-04	Soluble	Solid	300.0	75673
880-40879-18	FS-05	Soluble	Solid	300.0	75673
880-40879-19	FS-06	Soluble	Solid	300.0	75673
880-40879-20	FS-07	Soluble	Solid	300.0	75673
MB 880-75673/1-A	Method Blank	Soluble	Solid	300.0	75673
LCS 880-75673/2-A	Lab Control Sample	Soluble	Solid	300.0	75673
LCSD 880-75673/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	75673
880-40879-1 MS	SS50	Soluble	Solid	300.0	75673
880-40879-1 MSD	SS50	Soluble	Solid	300.0	75673
880-40879-11 MS	SS84	Soluble	Solid	300.0	75673
880-40879-11 MSD	SS84	Soluble	Solid	300.0	75673

Analysis Batch: 75735

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40879-21	FS-08	Soluble	Solid	300.0	75674
880-40879-22	FS-09	Soluble	Solid	300.0	75674
880-40879-23	SW-02	Soluble	Solid	300.0	75674

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QC Association Summary

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

HPLC/IC (Continued)

Analysis Batch: 75735 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40879-24	SW-03	Soluble	Solid	300.0	75674
880-40879-25	FS-15	Soluble	Solid	300.0	75674
880-40879-26	FS-16	Soluble	Solid	300.0	75674
880-40879-27	FS-17	Soluble	Solid	300.0	75674
880-40879-28	FS-18	Soluble	Solid	300.0	75674
880-40879-29	FS-19	Soluble	Solid	300.0	75674
880-40879-30	FS-20	Soluble	Solid	300.0	75674
880-40879-31	FS-21	Soluble	Solid	300.0	75674
880-40879-32	FS-22	Soluble	Solid	300.0	75674
880-40879-33	FS-23	Soluble	Solid	300.0	75674
880-40879-34	SW-06	Soluble	Solid	300.0	75674
880-40879-35	SW-07	Soluble	Solid	300.0	75674
880-40879-36	SW-08	Soluble	Solid	300.0	75674
880-40879-37	FS-10	Soluble	Solid	300.0	75674
880-40879-38	FS-11	Soluble	Solid	300.0	75674
880-40879-39	FS-12	Soluble	Solid	300.0	75674
880-40879-40	FS-13	Soluble	Solid	300.0	75674
MB 880-75674/1-A	Method Blank	Soluble	Solid	300.0	75674
LCS 880-75674/2-A	Lab Control Sample	Soluble	Solid	300.0	75674
LCSD 880-75674/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	75674
880-40879-21 MS	FS-08	Soluble	Solid	300.0	75674
880-40879-21 MSD	FS-08	Soluble	Solid	300.0	75674
880-40879-31 MS	FS-21	Soluble	Solid	300.0	75674
880-40879-31 MSD	FS-21	Soluble	Solid	300.0	75674

Analysis Batch: 75933

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40879-41	FS-14	Soluble	Solid	300.0	75726
880-40879-42	SW-04	Soluble	Solid	300.0	75726
880-40879-43	SW-05	Soluble	Solid	300.0	75726
MB 880-75726/1-A	Method Blank	Soluble	Solid	300.0	75726
LCS 880-75726/2-A	Lab Control Sample	Soluble	Solid	300.0	75726
LCSD 880-75726/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	75726

Lab Chronicle

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

Client Sample ID: SS50
Date Collected: 03/14/24 09:30
Date Received: 03/14/24 17:19

Lab Sample ID: 880-40879-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			75685	AA	EET MID	03/15/24 10:09
Total/NA	Analysis	8021B		1	75671	MNR	EET MID	03/15/24 13:12
Total/NA	Analysis	Total BTEX		1	75831	SM	EET MID	03/15/24 13:12
Total/NA	Analysis	8015 NM		1	75893	SM	EET MID	03/16/24 00:03
Total/NA	Prep	8015NM Prep			75647	TKC	EET MID	03/15/24 10:18
Total/NA	Analysis	8015B NM		1	75655	SM	EET MID	03/16/24 00:03
Soluble	Leach	DI Leach			75673	SA	EET MID	03/15/24 09:19
Soluble	Analysis	300.0		1	75734	CH	EET MID	03/15/24 17:32

Client Sample ID: SS49
Date Collected: 03/14/24 09:32
Date Received: 03/14/24 17:19

Lab Sample ID: 880-40879-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			75685	AA	EET MID	03/15/24 10:09
Total/NA	Analysis	8021B		1	75671	MNR	EET MID	03/15/24 13:38
Total/NA	Analysis	Total BTEX		1	75831	SM	EET MID	03/15/24 13:38
Total/NA	Analysis	8015 NM		1	75893	SM	EET MID	03/16/24 00:24
Total/NA	Prep	8015NM Prep			75647	TKC	EET MID	03/15/24 10:18
Total/NA	Analysis	8015B NM		1	75655	SM	EET MID	03/16/24 00:24
Soluble	Leach	DI Leach			75673	SA	EET MID	03/15/24 09:19
Soluble	Analysis	300.0		1	75734	CH	EET MID	03/15/24 17:48

Client Sample ID: SS48
Date Collected: 03/14/24 09:34
Date Received: 03/14/24 17:19

Lab Sample ID: 880-40879-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			75685	AA	EET MID	03/15/24 10:09
Total/NA	Analysis	8021B		1	75671	MNR	EET MID	03/15/24 14:04
Total/NA	Analysis	Total BTEX		1	75831	SM	EET MID	03/15/24 14:04
Total/NA	Analysis	8015 NM		1	75893	SM	EET MID	03/16/24 00:46
Total/NA	Prep	8015NM Prep			75647	TKC	EET MID	03/15/24 10:18
Total/NA	Analysis	8015B NM		1	75655	SM	EET MID	03/16/24 00:46
Soluble	Leach	DI Leach			75673	SA	EET MID	03/15/24 09:19
Soluble	Analysis	300.0		1	75734	CH	EET MID	03/15/24 17:53

Client Sample ID: SS47
Date Collected: 03/14/24 09:36
Date Received: 03/14/24 17:19

Lab Sample ID: 880-40879-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			75685	AA	EET MID	03/15/24 10:09
Total/NA	Analysis	8021B		1	75671	MNR	EET MID	03/15/24 14:30
Total/NA	Analysis	Total BTEX		1	75831	SM	EET MID	03/15/24 14:30

Eurofins Midland

Lab Chronicle

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

Client Sample ID: SS47
Date Collected: 03/14/24 09:36
Date Received: 03/14/24 17:19

Lab Sample ID: 880-40879-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015 NM		1	75893	SM	EET MID	03/16/24 01:07
Total/NA	Prep	8015NM Prep			75647	TKC	EET MID	03/15/24 10:18
Total/NA	Analysis	8015B NM		1	75655	SM	EET MID	03/16/24 01:07
Soluble	Leach	DI Leach			75673	SA	EET MID	03/15/24 09:19
Soluble	Analysis	300.0		1	75734	CH	EET MID	03/15/24 17:59

Client Sample ID: SS46
Date Collected: 03/14/24 09:38
Date Received: 03/14/24 17:19

Lab Sample ID: 880-40879-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			75685	AA	EET MID	03/15/24 10:09
Total/NA	Analysis	8021B		1	75671	MNR	EET MID	03/15/24 14:55
Total/NA	Analysis	Total BTEX		1	75831	SM	EET MID	03/15/24 14:55
Total/NA	Analysis	8015 NM		1	75893	SM	EET MID	03/16/24 01:28
Total/NA	Prep	8015NM Prep			75647	TKC	EET MID	03/15/24 10:18
Total/NA	Analysis	8015B NM		1	75655	SM	EET MID	03/16/24 01:28
Soluble	Leach	DI Leach			75673	SA	EET MID	03/15/24 09:19
Soluble	Analysis	300.0		1	75734	CH	EET MID	03/15/24 18:04

Client Sample ID: SS45
Date Collected: 03/14/24 09:40
Date Received: 03/14/24 17:19

Lab Sample ID: 880-40879-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			75685	AA	EET MID	03/15/24 10:09
Total/NA	Analysis	8021B		1	75671	MNR	EET MID	03/15/24 15:22
Total/NA	Analysis	Total BTEX		1	75831	SM	EET MID	03/15/24 15:22
Total/NA	Analysis	8015 NM		1	75893	SM	EET MID	03/16/24 01:50
Total/NA	Prep	8015NM Prep			75647	TKC	EET MID	03/15/24 10:18
Total/NA	Analysis	8015B NM		1	75655	SM	EET MID	03/16/24 01:50
Soluble	Leach	DI Leach			75673	SA	EET MID	03/15/24 09:19
Soluble	Analysis	300.0		1	75734	CH	EET MID	03/15/24 18:20

Client Sample ID: SS44
Date Collected: 03/14/24 09:42
Date Received: 03/14/24 17:19

Lab Sample ID: 880-40879-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			75685	AA	EET MID	03/15/24 10:09
Total/NA	Analysis	8021B		1	75671	MNR	EET MID	03/15/24 15:47
Total/NA	Analysis	Total BTEX		1	75831	SM	EET MID	03/15/24 15:47
Total/NA	Analysis	8015 NM		1	75893	SM	EET MID	03/16/24 02:11
Total/NA	Prep	8015NM Prep			75647	TKC	EET MID	03/15/24 10:18
Total/NA	Analysis	8015B NM		1	75655	SM	EET MID	03/16/24 02:11

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Lab Chronicle

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

Client Sample ID: SS44
Date Collected: 03/14/24 09:42
Date Received: 03/14/24 17:19

Lab Sample ID: 880-40879-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			75673	SA	EET MID	03/15/24 09:19
Soluble	Analysis	300.0		1	75734	CH	EET MID	03/15/24 18:25

Client Sample ID: SS43
Date Collected: 03/14/24 09:44
Date Received: 03/14/24 17:19

Lab Sample ID: 880-40879-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			75685	AA	EET MID	03/15/24 10:09
Total/NA	Analysis	8021B		1	75671	MNR	EET MID	03/15/24 16:13
Total/NA	Analysis	Total BTEX		1	75831	SM	EET MID	03/15/24 16:13
Total/NA	Analysis	8015 NM		1	75893	SM	EET MID	03/16/24 02:32
Total/NA	Prep	8015NM Prep			75647	TKC	EET MID	03/15/24 10:18
Total/NA	Analysis	8015B NM		1	75655	SM	EET MID	03/16/24 02:32
Soluble	Leach	DI Leach			75673	SA	EET MID	03/15/24 09:19
Soluble	Analysis	300.0		1	75734	CH	EET MID	03/15/24 18:31

Client Sample ID: SS82
Date Collected: 03/14/24 09:46
Date Received: 03/14/24 17:19

Lab Sample ID: 880-40879-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			75685	AA	EET MID	03/15/24 10:09
Total/NA	Analysis	8021B		1	75671	MNR	EET MID	03/15/24 16:40
Total/NA	Analysis	Total BTEX		1	75831	SM	EET MID	03/15/24 16:40
Total/NA	Analysis	8015 NM		1	75893	SM	EET MID	03/16/24 02:53
Total/NA	Prep	8015NM Prep			75647	TKC	EET MID	03/15/24 10:18
Total/NA	Analysis	8015B NM		1	75655	SM	EET MID	03/16/24 02:53
Soluble	Leach	DI Leach			75673	SA	EET MID	03/15/24 09:19
Soluble	Analysis	300.0		1	75734	CH	EET MID	03/15/24 18:36

Client Sample ID: SS83
Date Collected: 03/14/24 09:48
Date Received: 03/14/24 17:19

Lab Sample ID: 880-40879-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			75685	AA	EET MID	03/15/24 10:09
Total/NA	Analysis	8021B		1	75671	MNR	EET MID	03/15/24 17:06
Total/NA	Analysis	Total BTEX		1	75831	SM	EET MID	03/15/24 17:06
Total/NA	Analysis	8015 NM		1	75893	SM	EET MID	03/18/24 12:26
Total/NA	Prep	8015NM Prep			75694	EL	EET MID	03/15/24 10:23
Total/NA	Analysis	8015B NM		1	75778	SM	EET MID	03/18/24 12:26
Soluble	Leach	DI Leach			75673	SA	EET MID	03/15/24 09:19
Soluble	Analysis	300.0		1	75734	CH	EET MID	03/15/24 18:41

Lab Chronicle

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

Client Sample ID: SS84
Date Collected: 03/14/24 09:50
Date Received: 03/14/24 17:19

Lab Sample ID: 880-40879-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			75685	AA	EET MID	03/15/24 10:09
Total/NA	Analysis	8021B		1	75671	MNR	EET MID	03/15/24 18:50
Total/NA	Analysis	Total BTEX		1	75831	SM	EET MID	03/15/24 18:50
Total/NA	Analysis	8015 NM		1	75893	SM	EET MID	03/18/24 12:47
Total/NA	Prep	8015NM Prep			75694	EL	EET MID	03/15/24 10:23
Total/NA	Analysis	8015B NM		1	75778	SM	EET MID	03/18/24 12:47
Soluble	Leach	DI Leach			75673	SA	EET MID	03/15/24 09:19
Soluble	Analysis	300.0		1	75734	CH	EET MID	03/15/24 18:46

Client Sample ID: SS85
Date Collected: 03/14/24 09:52
Date Received: 03/14/24 17:19

Lab Sample ID: 880-40879-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			75685	AA	EET MID	03/15/24 10:09
Total/NA	Analysis	8021B		1	75671	MNR	EET MID	03/15/24 19:15
Total/NA	Analysis	Total BTEX		1	75831	SM	EET MID	03/15/24 19:15
Total/NA	Analysis	8015 NM		1	75893	SM	EET MID	03/18/24 13:08
Total/NA	Prep	8015NM Prep			75694	EL	EET MID	03/15/24 10:23
Total/NA	Analysis	8015B NM		1	75778	SM	EET MID	03/18/24 13:08
Soluble	Leach	DI Leach			75673	SA	EET MID	03/15/24 09:19
Soluble	Analysis	300.0		1	75734	CH	EET MID	03/15/24 19:02

Client Sample ID: SS86
Date Collected: 03/14/24 09:54
Date Received: 03/14/24 17:19

Lab Sample ID: 880-40879-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			75685	AA	EET MID	03/15/24 10:09
Total/NA	Analysis	8021B		1	75671	MNR	EET MID	03/15/24 19:41
Total/NA	Analysis	Total BTEX		1	75831	SM	EET MID	03/15/24 19:41
Total/NA	Analysis	8015 NM		1	75893	SM	EET MID	03/18/24 13:30
Total/NA	Prep	8015NM Prep			75694	EL	EET MID	03/15/24 10:23
Total/NA	Analysis	8015B NM		1	75778	SM	EET MID	03/18/24 13:30
Soluble	Leach	DI Leach			75673	SA	EET MID	03/15/24 09:19
Soluble	Analysis	300.0		1	75734	CH	EET MID	03/15/24 19:08

Client Sample ID: SS87
Date Collected: 03/14/24 09:56
Date Received: 03/14/24 17:19

Lab Sample ID: 880-40879-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			75685	AA	EET MID	03/15/24 10:09
Total/NA	Analysis	8021B		1	75671	MNR	EET MID	03/15/24 20:06
Total/NA	Analysis	Total BTEX		1	75831	SM	EET MID	03/15/24 20:06

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Lab Chronicle

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

Client Sample ID: SS87
Date Collected: 03/14/24 09:56
Date Received: 03/14/24 17:19

Lab Sample ID: 880-40879-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015 NM		1	75893	SM	EET MID	03/18/24 13:51
Total/NA	Prep	8015NM Prep			75694	EL	EET MID	03/15/24 10:23
Total/NA	Analysis	8015B NM		1	75778	SM	EET MID	03/18/24 13:51
Soluble	Leach	DI Leach			75673	SA	EET MID	03/15/24 09:19
Soluble	Analysis	300.0		1	75734	CH	EET MID	03/15/24 19:24

Client Sample ID: SS88
Date Collected: 03/14/24 09:58
Date Received: 03/14/24 17:19

Lab Sample ID: 880-40879-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			75685	AA	EET MID	03/15/24 10:09
Total/NA	Analysis	8021B		1	75671	MNR	EET MID	03/15/24 20:32
Total/NA	Analysis	Total BTEX		1	75831	SM	EET MID	03/15/24 20:32
Total/NA	Analysis	8015 NM		1	75893	SM	EET MID	03/18/24 14:12
Total/NA	Prep	8015NM Prep			75694	EL	EET MID	03/15/24 10:23
Total/NA	Analysis	8015B NM		1	75778	SM	EET MID	03/18/24 14:12
Soluble	Leach	DI Leach			75673	SA	EET MID	03/15/24 09:19
Soluble	Analysis	300.0		1	75734	CH	EET MID	03/15/24 19:29

Client Sample ID: SS89
Date Collected: 03/14/24 10:00
Date Received: 03/14/24 17:19

Lab Sample ID: 880-40879-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			75685	AA	EET MID	03/15/24 10:09
Total/NA	Analysis	8021B		1	75671	MNR	EET MID	03/15/24 20:57
Total/NA	Analysis	Total BTEX		1	75831	SM	EET MID	03/15/24 20:57
Total/NA	Analysis	8015 NM		1	75893	SM	EET MID	03/18/24 14:34
Total/NA	Prep	8015NM Prep			75694	EL	EET MID	03/15/24 10:23
Total/NA	Analysis	8015B NM		1	75778	SM	EET MID	03/18/24 14:34
Soluble	Leach	DI Leach			75673	SA	EET MID	03/15/24 09:19
Soluble	Analysis	300.0		1	75734	CH	EET MID	03/15/24 19:34

Client Sample ID: FS-04
Date Collected: 03/14/24 10:10
Date Received: 03/14/24 17:19

Lab Sample ID: 880-40879-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			75685	AA	EET MID	03/15/24 10:09
Total/NA	Analysis	8021B		1	75671	MNR	EET MID	03/15/24 21:23
Total/NA	Analysis	Total BTEX		1	75831	SM	EET MID	03/15/24 21:23
Total/NA	Analysis	8015 NM		1	75893	SM	EET MID	03/18/24 11:23
Total/NA	Prep	8015NM Prep			75694	EL	EET MID	03/15/24 10:23
Total/NA	Analysis	8015B NM		1	75778	SM	EET MID	03/18/24 11:23

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Lab Chronicle

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

Client Sample ID: FS-04
Date Collected: 03/14/24 10:10
Date Received: 03/14/24 17:19

Lab Sample ID: 880-40879-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			75673	SA	EET MID	03/15/24 09:19
Soluble	Analysis	300.0		1	75734	CH	EET MID	03/15/24 19:40

Client Sample ID: FS-05
Date Collected: 03/14/24 10:12
Date Received: 03/14/24 17:19

Lab Sample ID: 880-40879-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			75685	AA	EET MID	03/15/24 10:09
Total/NA	Analysis	8021B		1	75671	MNR	EET MID	03/15/24 21:49
Total/NA	Analysis	Total BTEX		1	75831	SM	EET MID	03/15/24 21:49
Total/NA	Analysis	8015 NM		1	75893	SM	EET MID	03/18/24 14:55
Total/NA	Prep	8015NM Prep			75694	EL	EET MID	03/15/24 10:23
Total/NA	Analysis	8015B NM		1	75778	SM	EET MID	03/18/24 14:55
Soluble	Leach	DI Leach			75673	SA	EET MID	03/15/24 09:19
Soluble	Analysis	300.0		1	75734	CH	EET MID	03/15/24 19:45

Client Sample ID: FS-06
Date Collected: 03/14/24 10:14
Date Received: 03/14/24 17:19

Lab Sample ID: 880-40879-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			75685	AA	EET MID	03/15/24 10:09
Total/NA	Analysis	8021B		1	75671	MNR	EET MID	03/15/24 22:15
Total/NA	Analysis	Total BTEX		1	75831	SM	EET MID	03/15/24 22:15
Total/NA	Analysis	8015 NM		1	75893	SM	EET MID	03/18/24 15:16
Total/NA	Prep	8015NM Prep			75694	EL	EET MID	03/15/24 10:23
Total/NA	Analysis	8015B NM		1	75778	SM	EET MID	03/18/24 15:16
Soluble	Leach	DI Leach			75673	SA	EET MID	03/15/24 09:19
Soluble	Analysis	300.0		1	75734	CH	EET MID	03/15/24 19:50

Client Sample ID: FS-07
Date Collected: 03/14/24 10:16
Date Received: 03/14/24 17:19

Lab Sample ID: 880-40879-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			75685	AA	EET MID	03/15/24 10:09
Total/NA	Analysis	8021B		1	75671	MNR	EET MID	03/15/24 22:40
Total/NA	Analysis	Total BTEX		1	75831	SM	EET MID	03/15/24 22:40
Total/NA	Analysis	8015 NM		1	75893	SM	EET MID	03/18/24 15:58
Total/NA	Prep	8015NM Prep			75694	EL	EET MID	03/15/24 10:23
Total/NA	Analysis	8015B NM		1	75778	SM	EET MID	03/18/24 15:58
Soluble	Leach	DI Leach			75673	SA	EET MID	03/15/24 09:19
Soluble	Analysis	300.0		1	75734	CH	EET MID	03/15/24 19:56

Lab Chronicle

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

Client Sample ID: FS-08
Date Collected: 03/14/24 10:18
Date Received: 03/14/24 17:19

Lab Sample ID: 880-40879-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			75686	AA	EET MID	03/15/24 10:14
Total/NA	Analysis	8021B		1	75668	MNR	EET MID	03/15/24 22:36
Total/NA	Analysis	Total BTEX		1	75831	SM	EET MID	03/15/24 22:36
Total/NA	Analysis	8015 NM		1	75893	SM	EET MID	03/18/24 16:19
Total/NA	Prep	8015NM Prep			75694	EL	EET MID	03/15/24 10:23
Total/NA	Analysis	8015B NM		1	75778	SM	EET MID	03/18/24 16:19
Soluble	Leach	DI Leach			75674	SA	EET MID	03/15/24 09:24
Soluble	Analysis	300.0		1	75735	CH	EET MID	03/15/24 23:45

Client Sample ID: FS-09
Date Collected: 03/14/24 10:20
Date Received: 03/14/24 17:19

Lab Sample ID: 880-40879-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			75686	AA	EET MID	03/15/24 10:14
Total/NA	Analysis	8021B		1	75668	MNR	EET MID	03/15/24 22:56
Total/NA	Analysis	Total BTEX		1	75831	SM	EET MID	03/15/24 22:56
Total/NA	Analysis	8015 NM		1	75893	SM	EET MID	03/18/24 16:41
Total/NA	Prep	8015NM Prep			75694	EL	EET MID	03/15/24 10:23
Total/NA	Analysis	8015B NM		1	75778	SM	EET MID	03/18/24 16:41
Soluble	Leach	DI Leach			75674	SA	EET MID	03/15/24 09:24
Soluble	Analysis	300.0		1	75735	CH	EET MID	03/16/24 00:01

Client Sample ID: SW-02
Date Collected: 03/14/24 10:22
Date Received: 03/14/24 17:19

Lab Sample ID: 880-40879-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			75686	AA	EET MID	03/15/24 10:14
Total/NA	Analysis	8021B		1	75668	MNR	EET MID	03/15/24 23:17
Total/NA	Analysis	Total BTEX		1	75831	SM	EET MID	03/15/24 23:17
Total/NA	Analysis	8015 NM		1	75893	SM	EET MID	03/18/24 17:02
Total/NA	Prep	8015NM Prep			75694	EL	EET MID	03/15/24 10:23
Total/NA	Analysis	8015B NM		1	75778	SM	EET MID	03/18/24 17:02
Soluble	Leach	DI Leach			75674	SA	EET MID	03/15/24 09:24
Soluble	Analysis	300.0		5	75735	CH	EET MID	03/16/24 00:06

Client Sample ID: SW-03
Date Collected: 03/14/24 10:24
Date Received: 03/14/24 17:19

Lab Sample ID: 880-40879-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			75686	AA	EET MID	03/15/24 10:14
Total/NA	Analysis	8021B		1	75668	MNR	EET MID	03/15/24 23:37
Total/NA	Analysis	Total BTEX		1	75831	SM	EET MID	03/15/24 23:37

Eurofins Midland

Lab Chronicle

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

Client Sample ID: SW-03
Date Collected: 03/14/24 10:24
Date Received: 03/14/24 17:19

Lab Sample ID: 880-40879-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015 NM		1	75893	SM	EET MID	03/18/24 17:24
Total/NA	Prep	8015NM Prep			75694	EL	EET MID	03/15/24 10:23
Total/NA	Analysis	8015B NM		1	75778	SM	EET MID	03/18/24 17:24
Soluble	Leach	DI Leach			75674	SA	EET MID	03/15/24 09:24
Soluble	Analysis	300.0		1	75735	CH	EET MID	03/16/24 00:11

Client Sample ID: FS-15
Date Collected: 03/14/24 11:28
Date Received: 03/14/24 17:19

Lab Sample ID: 880-40879-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			75686	AA	EET MID	03/15/24 10:14
Total/NA	Analysis	8021B		1	75668	MNR	EET MID	03/15/24 23:58
Total/NA	Analysis	Total BTEX		1	75831	SM	EET MID	03/15/24 23:58
Total/NA	Analysis	8015 NM		1	75893	SM	EET MID	03/18/24 17:45
Total/NA	Prep	8015NM Prep			75694	EL	EET MID	03/15/24 10:23
Total/NA	Analysis	8015B NM		1	75778	SM	EET MID	03/18/24 17:45
Soluble	Leach	DI Leach			75674	SA	EET MID	03/15/24 09:24
Soluble	Analysis	300.0		1	75735	CH	EET MID	03/16/24 00:17

Client Sample ID: FS-16
Date Collected: 03/14/24 11:30
Date Received: 03/14/24 17:19

Lab Sample ID: 880-40879-26
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			75686	AA	EET MID	03/15/24 10:14
Total/NA	Analysis	8021B		1	75668	MNR	EET MID	03/16/24 00:18
Total/NA	Analysis	Total BTEX		1	75831	SM	EET MID	03/16/24 00:18
Total/NA	Analysis	8015 NM		1	75893	SM	EET MID	03/18/24 18:06
Total/NA	Prep	8015NM Prep			75694	EL	EET MID	03/15/24 10:23
Total/NA	Analysis	8015B NM		1	75778	SM	EET MID	03/18/24 18:06
Soluble	Leach	DI Leach			75674	SA	EET MID	03/15/24 09:24
Soluble	Analysis	300.0		1	75735	CH	EET MID	03/16/24 00:33

Client Sample ID: FS-17
Date Collected: 03/14/24 11:32
Date Received: 03/14/24 17:19

Lab Sample ID: 880-40879-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			75686	AA	EET MID	03/15/24 10:14
Total/NA	Analysis	8021B		1	75668	MNR	EET MID	03/16/24 00:39
Total/NA	Analysis	Total BTEX		1	75831	SM	EET MID	03/16/24 00:39
Total/NA	Analysis	8015 NM		1	75893	SM	EET MID	03/18/24 18:27
Total/NA	Prep	8015NM Prep			75694	EL	EET MID	03/15/24 10:23
Total/NA	Analysis	8015B NM		1	75778	SM	EET MID	03/18/24 18:27

Lab Chronicle

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

Client Sample ID: FS-17

Lab Sample ID: 880-40879-27

Date Collected: 03/14/24 11:32

Matrix: Solid

Date Received: 03/14/24 17:19

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			75674	SA	EET MID	03/15/24 09:24
Soluble	Analysis	300.0		1	75735	CH	EET MID	03/16/24 00:38

Client Sample ID: FS-18

Lab Sample ID: 880-40879-28

Date Collected: 03/14/24 11:34

Matrix: Solid

Date Received: 03/14/24 17:19

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			75686	AA	EET MID	03/15/24 10:14
Total/NA	Analysis	8021B		1	75668	MNR	EET MID	03/16/24 00:59
Total/NA	Analysis	Total BTEX		1	75831	SM	EET MID	03/16/24 00:59
Total/NA	Analysis	8015 NM		1	75893	SM	EET MID	03/18/24 18:48
Total/NA	Prep	8015NM Prep			75694	EL	EET MID	03/15/24 10:23
Total/NA	Analysis	8015B NM		1	75778	SM	EET MID	03/18/24 18:48
Soluble	Leach	DI Leach			75674	SA	EET MID	03/15/24 09:24
Soluble	Analysis	300.0		1	75735	CH	EET MID	03/16/24 00:43

Client Sample ID: FS-19

Lab Sample ID: 880-40879-29

Date Collected: 03/14/24 11:36

Matrix: Solid

Date Received: 03/14/24 17:19

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			75686	AA	EET MID	03/15/24 10:14
Total/NA	Analysis	8021B		1	75668	MNR	EET MID	03/16/24 01:20
Total/NA	Analysis	Total BTEX		1	75831	SM	EET MID	03/16/24 01:20
Total/NA	Analysis	8015 NM		1	75893	SM	EET MID	03/18/24 19:09
Total/NA	Prep	8015NM Prep			75694	EL	EET MID	03/15/24 10:23
Total/NA	Analysis	8015B NM		1	75778	SM	EET MID	03/18/24 19:09
Soluble	Leach	DI Leach			75674	SA	EET MID	03/15/24 09:24
Soluble	Analysis	300.0		1	75735	CH	EET MID	03/16/24 00:49

Client Sample ID: FS-20

Lab Sample ID: 880-40879-30

Date Collected: 03/14/24 11:38

Matrix: Solid

Date Received: 03/14/24 17:19

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			75686	AA	EET MID	03/15/24 10:14
Total/NA	Analysis	8021B		1	75668	MNR	EET MID	03/16/24 01:40
Total/NA	Analysis	Total BTEX		1	75831	SM	EET MID	03/16/24 01:40
Total/NA	Analysis	8015 NM		1	75893	SM	EET MID	03/18/24 21:59
Total/NA	Prep	8015NM Prep			75817	EL	EET MID	03/18/24 10:16
Total/NA	Analysis	8015B NM		1	75778	SM	EET MID	03/18/24 21:59
Soluble	Leach	DI Leach			75674	SA	EET MID	03/15/24 09:24
Soluble	Analysis	300.0		1	75735	CH	EET MID	03/16/24 00:54

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Lab Chronicle

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

Client Sample ID: FS-21
Date Collected: 03/14/24 11:40
Date Received: 03/14/24 17:19

Lab Sample ID: 880-40879-31
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			75686	AA	EET MID	03/15/24 10:14
Total/NA	Analysis	8021B		1	75668	MNR	EET MID	03/16/24 03:03
Total/NA	Analysis	Total BTEX		1	75831	SM	EET MID	03/16/24 03:03
Total/NA	Analysis	8015 NM		1	75893	SM	EET MID	03/18/24 22:20
Total/NA	Prep	8015NM Prep			75817	EL	EET MID	03/18/24 10:16
Total/NA	Analysis	8015B NM		1	75778	SM	EET MID	03/18/24 22:20
Soluble	Leach	DI Leach			75674	SA	EET MID	03/15/24 09:24
Soluble	Analysis	300.0		1	75735	CH	EET MID	03/16/24 01:00

Client Sample ID: FS-22
Date Collected: 03/14/24 11:42
Date Received: 03/14/24 17:19

Lab Sample ID: 880-40879-32
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			75686	AA	EET MID	03/15/24 10:14
Total/NA	Analysis	8021B		1	75668	MNR	EET MID	03/16/24 03:23
Total/NA	Analysis	Total BTEX		1	75831	SM	EET MID	03/16/24 03:23
Total/NA	Analysis	8015 NM		1	75893	SM	EET MID	03/18/24 22:41
Total/NA	Prep	8015NM Prep			75817	EL	EET MID	03/18/24 10:16
Total/NA	Analysis	8015B NM		1	75778	SM	EET MID	03/18/24 22:41
Soluble	Leach	DI Leach			75674	SA	EET MID	03/15/24 09:24
Soluble	Analysis	300.0		1	75735	CH	EET MID	03/16/24 01:16

Client Sample ID: FS-23
Date Collected: 03/14/24 11:44
Date Received: 03/14/24 17:19

Lab Sample ID: 880-40879-33
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			75686	AA	EET MID	03/15/24 10:14
Total/NA	Analysis	8021B		1	75668	MNR	EET MID	03/16/24 03:44
Total/NA	Analysis	Total BTEX		1	75831	SM	EET MID	03/16/24 03:44
Total/NA	Analysis	8015 NM		1	75893	SM	EET MID	03/18/24 23:03
Total/NA	Prep	8015NM Prep			75817	EL	EET MID	03/18/24 10:16
Total/NA	Analysis	8015B NM		1	75778	SM	EET MID	03/18/24 23:03
Soluble	Leach	DI Leach			75674	SA	EET MID	03/15/24 09:24
Soluble	Analysis	300.0		1	75735	CH	EET MID	03/16/24 01:21

Client Sample ID: SW-06
Date Collected: 03/14/24 11:46
Date Received: 03/14/24 17:19

Lab Sample ID: 880-40879-34
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			75686	AA	EET MID	03/15/24 10:14
Total/NA	Analysis	8021B		1	75668	MNR	EET MID	03/16/24 04:04
Total/NA	Analysis	Total BTEX		1	75831	SM	EET MID	03/16/24 04:04

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Lab Chronicle

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

Client Sample ID: SW-06

Lab Sample ID: 880-40879-34

Date Collected: 03/14/24 11:46

Matrix: Solid

Date Received: 03/14/24 17:19

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015 NM		1	75893	SM	EET MID	03/18/24 23:24
Total/NA	Prep	8015NM Prep			75817	EL	EET MID	03/18/24 10:16
Total/NA	Analysis	8015B NM		1	75778	SM	EET MID	03/18/24 23:24
Soluble	Leach	DI Leach			75674	SA	EET MID	03/15/24 09:24
Soluble	Analysis	300.0		1	75735	CH	EET MID	03/16/24 01:37

Client Sample ID: SW-07

Lab Sample ID: 880-40879-35

Date Collected: 03/14/24 11:48

Matrix: Solid

Date Received: 03/14/24 17:19

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			75686	AA	EET MID	03/15/24 10:14
Total/NA	Analysis	8021B		1	75668	MNR	EET MID	03/16/24 04:25
Total/NA	Analysis	Total BTEX		1	75831	SM	EET MID	03/16/24 04:25
Total/NA	Analysis	8015 NM		1	75893	SM	EET MID	03/18/24 20:55
Total/NA	Prep	8015NM Prep			75817	EL	EET MID	03/18/24 10:16
Total/NA	Analysis	8015B NM		1	75778	SM	EET MID	03/18/24 20:55
Soluble	Leach	DI Leach			75674	SA	EET MID	03/15/24 09:24
Soluble	Analysis	300.0		1	75735	CH	EET MID	03/16/24 01:42

Client Sample ID: SW-08

Lab Sample ID: 880-40879-36

Date Collected: 03/14/24 11:50

Matrix: Solid

Date Received: 03/14/24 17:19

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			75686	AA	EET MID	03/15/24 10:14
Total/NA	Analysis	8021B		1	75668	MNR	EET MID	03/16/24 04:45
Total/NA	Analysis	Total BTEX		1	75831	SM	EET MID	03/16/24 04:45
Total/NA	Analysis	8015 NM		1	75893	SM	EET MID	03/18/24 23:45
Total/NA	Prep	8015NM Prep			75817	EL	EET MID	03/18/24 10:16
Total/NA	Analysis	8015B NM		1	75778	SM	EET MID	03/18/24 23:45
Soluble	Leach	DI Leach			75674	SA	EET MID	03/15/24 09:24
Soluble	Analysis	300.0		1	75735	CH	EET MID	03/16/24 01:47

Client Sample ID: FS-10

Lab Sample ID: 880-40879-37

Date Collected: 03/14/24 13:00

Matrix: Solid

Date Received: 03/14/24 17:19

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			75686	AA	EET MID	03/15/24 10:14
Total/NA	Analysis	8021B		1	75668	MNR	EET MID	03/16/24 05:05
Total/NA	Analysis	Total BTEX		1	75831	SM	EET MID	03/16/24 05:05
Total/NA	Analysis	8015 NM		1	75893	SM	EET MID	03/19/24 00:07
Total/NA	Prep	8015NM Prep			75817	EL	EET MID	03/18/24 10:16
Total/NA	Analysis	8015B NM		1	75778	SM	EET MID	03/19/24 00:07

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Lab Chronicle

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

Client Sample ID: FS-10

Lab Sample ID: 880-40879-37

Date Collected: 03/14/24 13:00

Matrix: Solid

Date Received: 03/14/24 17:19

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			75674	SA	EET MID	03/15/24 09:24
Soluble	Analysis	300.0		1	75735	CH	EET MID	03/16/24 01:53

Client Sample ID: FS-11

Lab Sample ID: 880-40879-38

Date Collected: 03/14/24 13:02

Matrix: Solid

Date Received: 03/14/24 17:19

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			75686	AA	EET MID	03/15/24 10:14
Total/NA	Analysis	8021B		1	75668	MNR	EET MID	03/16/24 05:26
Total/NA	Analysis	Total BTEX		1	75831	SM	EET MID	03/16/24 05:26
Total/NA	Analysis	8015 NM		1	75893	SM	EET MID	03/19/24 00:27
Total/NA	Prep	8015NM Prep			75817	EL	EET MID	03/18/24 10:16
Total/NA	Analysis	8015B NM		1	75778	SM	EET MID	03/19/24 00:27
Soluble	Leach	DI Leach			75674	SA	EET MID	03/15/24 09:24
Soluble	Analysis	300.0		1	75735	CH	EET MID	03/16/24 01:58

Client Sample ID: FS-12

Lab Sample ID: 880-40879-39

Date Collected: 03/14/24 13:04

Matrix: Solid

Date Received: 03/14/24 17:19

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			75686	AA	EET MID	03/15/24 10:14
Total/NA	Analysis	8021B		1	75668	MNR	EET MID	03/16/24 05:46
Total/NA	Analysis	Total BTEX		1	75831	SM	EET MID	03/16/24 05:46
Total/NA	Analysis	8015 NM		1	75893	SM	EET MID	03/19/24 00:48
Total/NA	Prep	8015NM Prep			75817	EL	EET MID	03/18/24 10:16
Total/NA	Analysis	8015B NM		1	75778	SM	EET MID	03/19/24 00:48
Soluble	Leach	DI Leach			75674	SA	EET MID	03/15/24 09:24
Soluble	Analysis	300.0		1	75735	CH	EET MID	03/16/24 02:03

Client Sample ID: FS-13

Lab Sample ID: 880-40879-40

Date Collected: 03/14/24 13:06

Matrix: Solid

Date Received: 03/14/24 17:19

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			75686	AA	EET MID	03/15/24 10:14
Total/NA	Analysis	8021B		1	75668	MNR	EET MID	03/16/24 06:07
Total/NA	Analysis	Total BTEX		1	75831	SM	EET MID	03/16/24 06:07
Total/NA	Analysis	8015 NM		1	75893	SM	EET MID	03/19/24 01:30
Total/NA	Prep	8015NM Prep			75817	EL	EET MID	03/18/24 10:16
Total/NA	Analysis	8015B NM		1	75778	SM	EET MID	03/19/24 01:30
Soluble	Leach	DI Leach			75674	SA	EET MID	03/15/24 09:24
Soluble	Analysis	300.0		1	75735	CH	EET MID	03/16/24 02:09

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Lab Chronicle

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

Client Sample ID: FS-14
Date Collected: 03/14/24 13:08
Date Received: 03/14/24 17:19

Lab Sample ID: 880-40879-41
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			75691	AA	EET MID	03/15/24 10:17
Total/NA	Analysis	8021B		1	75798	MNR	EET MID	03/18/24 12:03
Total/NA	Analysis	Total BTEX		1	75831	SM	EET MID	03/18/24 12:03
Total/NA	Analysis	8015 NM		1	75893	SM	EET MID	03/19/24 01:51
Total/NA	Prep	8015NM Prep			75817	EL	EET MID	03/18/24 10:16
Total/NA	Analysis	8015B NM		1	75778	SM	EET MID	03/19/24 01:51
Soluble	Leach	DI Leach			75726	SA	EET MID	03/15/24 11:31
Soluble	Analysis	300.0		1	75933	CH	EET MID	03/19/24 10:37

Client Sample ID: SW-04
Date Collected: 03/14/24 13:10
Date Received: 03/14/24 17:19

Lab Sample ID: 880-40879-42
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			75691	AA	EET MID	03/15/24 10:17
Total/NA	Analysis	8021B		1	75798	MNR	EET MID	03/18/24 12:24
Total/NA	Analysis	Total BTEX		1	75831	SM	EET MID	03/18/24 12:24
Total/NA	Analysis	8015 NM		1	75893	SM	EET MID	03/19/24 02:12
Total/NA	Prep	8015NM Prep			75817	EL	EET MID	03/18/24 10:16
Total/NA	Analysis	8015B NM		1	75778	SM	EET MID	03/19/24 02:12
Soluble	Leach	DI Leach			75726	SA	EET MID	03/15/24 11:31
Soluble	Analysis	300.0		1	75933	CH	EET MID	03/19/24 10:45

Client Sample ID: SW-05
Date Collected: 03/14/24 13:12
Date Received: 03/14/24 17:19

Lab Sample ID: 880-40879-43
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			75691	AA	EET MID	03/15/24 10:17
Total/NA	Analysis	8021B		1	75798	MNR	EET MID	03/18/24 12:44
Total/NA	Analysis	Total BTEX		1	75831	SM	EET MID	03/18/24 12:44
Total/NA	Analysis	8015 NM		1	75893	SM	EET MID	03/19/24 02:33
Total/NA	Prep	8015NM Prep			75817	EL	EET MID	03/18/24 10:16
Total/NA	Analysis	8015B NM		1	75778	SM	EET MID	03/19/24 02:33
Soluble	Leach	DI Leach			75726	SA	EET MID	03/15/24 11:31
Soluble	Analysis	300.0		1	75933	CH	EET MID	03/19/24 10:52

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

Accreditation/Certification Summary

Client: Ensolum
Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

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: Raspberry State Com 001H

Job ID: 880-40879-1
SDG: Lea County, NM

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

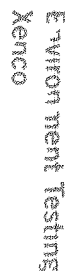
Client: Ensolum

Project/Site: Raspberry State Com 001H

Job ID: 880-40879-1

SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-40879-1	SS50	Solid	03/14/24 09:30	03/14/24 17:19	0-0.5'
880-40879-2	SS49	Solid	03/14/24 09:32	03/14/24 17:19	0-0.5'
880-40879-3	SS48	Solid	03/14/24 09:34	03/14/24 17:19	0-0.5'
880-40879-4	SS47	Solid	03/14/24 09:36	03/14/24 17:19	0-0.5'
880-40879-5	SS46	Solid	03/14/24 09:38	03/14/24 17:19	0-0.5'
880-40879-6	SS45	Solid	03/14/24 09:40	03/14/24 17:19	0-0.5'
880-40879-7	SS44	Solid	03/14/24 09:42	03/14/24 17:19	0-0.5'
880-40879-8	SS43	Solid	03/14/24 09:44	03/14/24 17:19	0-0.5'
880-40879-9	SS82	Solid	03/14/24 09:46	03/14/24 17:19	0-0.5'
880-40879-10	SS83	Solid	03/14/24 09:48	03/14/24 17:19	0-0.5'
880-40879-11	SS84	Solid	03/14/24 09:50	03/14/24 17:19	0-0.5'
880-40879-12	SS85	Solid	03/14/24 09:52	03/14/24 17:19	0-0.5'
880-40879-13	SS86	Solid	03/14/24 09:54	03/14/24 17:19	0-0.5'
880-40879-14	SS87	Solid	03/14/24 09:56	03/14/24 17:19	0-0.5'
880-40879-15	SS88	Solid	03/14/24 09:58	03/14/24 17:19	0-0.5'
880-40879-16	SS89	Solid	03/14/24 10:00	03/14/24 17:19	0-0.5'
880-40879-17	FS-04	Solid	03/14/24 10:10	03/14/24 17:19	.75'
880-40879-18	FS-05	Solid	03/14/24 10:12	03/14/24 17:19	.75'
880-40879-19	FS-06	Solid	03/14/24 10:14	03/14/24 17:19	.75'
880-40879-20	FS-07	Solid	03/14/24 10:16	03/14/24 17:19	.75'
880-40879-21	FS-08	Solid	03/14/24 10:18	03/14/24 17:19	.75'
880-40879-22	FS-09	Solid	03/14/24 10:20	03/14/24 17:19	.75'
880-40879-23	SW-02	Solid	03/14/24 10:22	03/14/24 17:19	0-0..75'
880-40879-24	SW-03	Solid	03/14/24 10:24	03/14/24 17:19	0-0..75'
880-40879-25	FS-15	Solid	03/14/24 11:28	03/14/24 17:19	1'
880-40879-26	FS-16	Solid	03/14/24 11:30	03/14/24 17:19	1'
880-40879-27	FS-17	Solid	03/14/24 11:32	03/14/24 17:19	1'
880-40879-28	FS-18	Solid	03/14/24 11:34	03/14/24 17:19	1'
880-40879-29	FS-19	Solid	03/14/24 11:36	03/14/24 17:19	1'
880-40879-30	FS-20	Solid	03/14/24 11:38	03/14/24 17:19	1'
880-40879-31	FS-21	Solid	03/14/24 11:40	03/14/24 17:19	1'
880-40879-32	FS-22	Solid	03/14/24 11:42	03/14/24 17:19	1'
880-40879-33	FS-23	Solid	03/14/24 11:44	03/14/24 17:19	1'
880-40879-34	SW-06	Solid	03/14/24 11:46	03/14/24 17:19	0-1'
880-40879-35	SW-07	Solid	03/14/24 11:48	03/14/24 17:19	0-1'
880-40879-36	SW-08	Solid	03/14/24 11:50	03/14/24 17:19	0-1'
880-40879-37	FS-10	Solid	03/14/24 13:00	03/14/24 17:19	.75'
880-40879-38	FS-11	Solid	03/14/24 13:02	03/14/24 17:19	.75'
880-40879-39	FS-12	Solid	03/14/24 13:04	03/14/24 17:19	.75'
880-40879-40	FS-13	Solid	03/14/24 13:06	03/14/24 17:19	.75'
880-40879-41	FS-14	Solid	03/14/24 13:08	03/14/24 17:19	.75'
880-40879-42	SW-04	Solid	03/14/24 13:10	03/14/24 17:19	0-0.75'
880-40879-43	SW-05	Solid	03/14/24 13:12	03/14/24 17:19	0-0.75'



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Hobbs, NM (575) 392-7550, Carlsbad NM (575) 986-3199

W. ...
... of Custody

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:	Raspberry State Com 001H	Turn Around		ANALYSIS REQUEST										Preservative Codes					
Project Number:	03D2024253	☒ Routine	☐ Rush											None	NO	DI Water	H ₂ O		
Project Location:	Lea County, NM	Due Date												Cool	Cool	MeOH	Me		
Sampler's Name:	Abbya Guadalupe	TAT starts the day received by the lab, if received by 4 30pm												HCL	HC	HNO ₃	HN		
PO #:	03D2024253													H ₂ SO ₄	H ₂	NaOH	Na		
SAMPLE RECEIPT		Temp Blank	Yes ☒ No	Wet Ice	Yes ☒ No											H ₃ PO ₄	HP		
Samples Received Intact:	☒ Yes ☐ No	Thermometer ID											NaHSO ₄	NABIS					
Cooler Custody Seals:	Yes ☒ No ☒	Correction Factor:											Na ₂ S ₂ O ₃	NaSO ₃					
Sample Custody Seals:	Yes ☐ No ☒ (N/A)	Temperature Reading:											Zn	Acetate+NaOH	Zn				
Total Containers:		Corrected Temperature:											NaOH+Ascorbic Acid	SAPC					
				Parameters															
				RIDES (EPA: 300.0)															
				115)															
				3021)															

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	CHLOR	TPH (80)	BTEX (8)
S560	S	3/14/24	0930	0-0.5'	G	1	X	X	X
S549	S		0932		G	1	X	X	X
S548	S		0934		G	1	X	X	X
S547	S		0936		G	1	X	X	X
S546	S		0938		G	1	X	X	X
S545	S		0940		G	1	X	X	X
S544	S		0942		G	1	X	X	X
S543	S		0944		G	1	X	X	X
S562	S		0946		G	1	X	X	X
S563	S	✓	0948	✓	G	1	X	X	X

Circle Method(s) and Metal(s) to be analyzed

TCLP / SPLP 6010 8

producer, signature of the subcontractor, and return of the 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 \$35.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 					
2					
3					
4					
5					
6					



Chain of Custody

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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: 40879

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Project Manager:	Hadlie Green	Bill to (if different):	Hadlie Green
Company Name:	Ensolum, LLC	Company Name:	Ensolum, LLC
Address:	601 N Marientfeld St Suite 400	Address:	601 N Marientfeld 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:	Raspberry State Com 001H	Turn Around	☒ Routine ☐ Rush	Pres. Code	
Project Number:	03D2024253	Due Date:			
Project Location:	Lea County, NM	TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	Talisha Guadian				
PO #:	03D2024253				
SAMPLE RECEIPT					
Samples Received Intact:	Yes ☒ No ☐	Thermometer ID:	ELA8		
Cooler Custody Seals:	Yes ☒ No ☐	Correction Factor:	1.07		
Sample Custody Seals:	Yes ☒ No ☐	Temperature Reading:	4.4		
Total Containers:		Corrected Temperature:	4.6		
Parameters					
CHLORIDES (EPA: 300.0)					
TPH (8015)					
BTEX (8021)					
ANALYSIS REQUEST					
Preservative Codes					
None	NO	DI Water	H ₂ O		
Cool	Cool	MeOH	Me		
HCL	HC	HNO ₃	HN		
H ₂ SO ₄	H ₂	NaOH	Na		
H ₃ PO ₄	HP				
NaHSO ₄	NABIS				
Na ₂ S ₂ O ₃	NaSO ₃				
Zn Acetate	+NaOH	Zn			
NaOH	+Ascorbic Acid	SAPC			

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab Comp	# of Cont	CHLORIDES (EPA: 300.0)	TPH (8015)	BTEX (8021)	ANALYSIS REQUEST	Preservative Codes	Sample Comments
SS84	S	3/14/24	0950	0-0.5'	G	1	X	X	X			
SS85	S		0952	0-0.5'	G	1	X	X	X			
SS86	S		0954	0-0.5'	G	1	X	X	X			
SS87	S		0956	0-0.5'	G	1	X	X	X			
SS88	S		0958	0-0.5'	G	1	X	X	X			
SS89	S		1000	0-0.5'	G	1	X	X	X			
FS-04	S		1010	0.75'	C	1	X	X	X			
FS-05	S		1012	0.75'	C	1	X	X	X			
FS-06	S		1014	0.75'	C	1	X	X	X			
FS-07	S		1016	0.75'	C	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 SiO₂ Na Sr Ti 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 Ti U Hg 1631 / 2451 / 7470 / 7471

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Environment Testing
Xenco

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El Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296
Hobbs, NM (575) 382-7550, Carlsbad NM (575) 988-3199

Work Order No: 40879

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Project Manager	Hadlie Green	Bill to (if different)	Hadlie Green
Company Name	Ensolum, LLC	Company Name	Ensolum, LLC
Address:	601 N Marientfield St Suite 400	Address	601 N Marientfield 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:	Raspberry State Com 001H	Turn Around	☒ Routine ☐ Rush	Pres. Code		ANALYSIS REQUEST																Preservative Codes					
Project Number:	03D2024253																					None NO	DI Water- H ₂ O				
Project Location:	Lee County, NM	Due Date:																				Cool Cool	MeOH Me				
Sampler's Name	Tealisha Guadian	TAT starts the day received by the lab, if received by 4:30pm																				HCL HC	HNO ₃ HN				
PO #:	03D2024253																					H ₂ SO ₄ H ₂	NaOH Na				
SAMPLE RECEIPT	Temp Blank	Yes ☒ No ☐	Wet Ice:	Yes ☒ No ☐																		H ₃ PO ₄ HP					
Samples Received Intact:	Yes ☒ No ☐	Thermometer ID.																				NaHSO ₄ NABIS					
Cooler Custody Seals:	Yes ☒ No ☐	Correction Factor																				Na ₂ S ₂ O ₃ NASO ₃					
Sample Custody Seals:	Yes ☒ No ☐	Temperature Reading	4.4																			Zn Acetate+NaOH Zn					
Total Containers:		Corrected Temperature:	4.6																			NaOH+Ascorbic Acid SAPC					
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grav/Comp	# of Cont																	Sample Comments				
FS-08	S	3/14/24	1018	0.75	C	1	X	X	X																		
FS-09	S		1020	0.75	C	1	X	X	X																		
SW-02	S		1022	0.05	C	1	X	X	X																		
SW-03	S		1024	0.05	C	1	X	X	X																		
FS-15	S		1128	1'	C	1	X	X	X																		
FS-16	S		1130	1'	C	1	X	X	X																		
FS-17	S		1132	1'	C	1	X	X	X																		
FS-18	S		1134	1'	C	1	X	X	X																		
FS-19	S		1136	1'	C	1	X	X	X																		
FS-20	S		1138	1'	C	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	Ti	Sn	U	V	Zn					
Circle Method(s) and Metal(s) to be analyzed		TCILP / SPLP 6010		8RCRA	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Pb	Mn	Mo	Ni	Se	Ag	Ti	U	Hg 1631 / 2451 / 7470 / 7471															

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		2		Joe Tovar	1719 3-14-24
		4			
		6			



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Chain of Custody

Work Order No:

408879

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

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

Project Name:	Raspberry State Com 001H	Turn Around	☒ Routine ☐ Rush	Pres. Code		ANALYSIS REQUEST										Preservative Codes				
Project Number:	03D2024253															None NO	DI Water H ₂ O			
Project Location:	Lea County, NM	Due Date:														Cool Cool	MeOH Me			
Sampler's Name:		TAT starts the day received by the lab, if received by 4:30pm														HCL, HC	HNO ₃ HN			
PO #:	03D2024253															H ₂ SO ₄ H ₂	NaOH Na			
SAMPLE RECEIPT	Temp Blank: ☒ No	Wet Ice: ☒ No	Thermometer ID:	TR8												H ₃ PO ₄ HP				
Samples Received Intact:	Yes ☒ No ☐	Correction Factor:	4.02													NaHSO ₄ NABIS				
Cooler Custody Seals:	Yes ☒ No ☐	Temperature Reading:	4.41													Na ₂ S ₂ O ₃ NaSO ₃				
Sample Custody Seals:	Yes ☒ No ☐	Corrected Temperature:	4.16													Zn Acetate+NaOH Zn				
Total Containers:																NaOH+Ascorbic Acid SAPC				
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	CHLORIDES (EPA: 300.0)	TPH (8015)	BTEX (8021)											Sample Comments
FS-21	S	3/19/24	1140	1'	C	1	X	X	X											
FS-22	S		1142	1'	C	1	X	X	X											
FS-23	S		1144	1'	C	1	X	X	X											
SW-06	S		1146	0-1'	C	1	X	X	X											
SW-07	S		1148	0-1'	C	1	X	X	X											
SW-08	S		1150	0-1'	C	1	X	X	X											
FS-10	S		1300	0.75'	C	1	X	X	X											
FS-11	S		1302	0.75'	C	1	X	X	X											
FS-12	S		1304	0.75'	C	1	X	X	X											
FS-13	S		1306	0.75'	C	1	X	X	X											

Total 200.7 / 6010 200.8 / 6020:

Circle Method(s) and Metal(s) to be analyzed: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn
TCLP/SPLP 6010 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti 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
		2		Joe Touss	3-14-24
		4			
		6			



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) 986-3199

Work Order No.:

Loc: 880
40879

www.xenco.com

Project Manager:	Hadlie Green	Bill to (if different)	Hadlie Green
Company Name	Ensolum, LLC	Company Name	Ensolum, LLC
Address:	601 N Marientfeld St Suite 400	Address:	601 N Marientfeld 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 ☐ **Level I** ☐ **Level III** ☐ **PST/UST** ☐ **TRRP** ☐ **Level IV** ☐

Deliverables **EDD** ☐ **Adapt** ☐ **Other** ☐

Project Name						Raspberry State Com 001/H	Turn Around	
Project Number:						03D2024253	☒ Routine	☐ Rush
Project Location:						Lea County, NM	Due Date:	
Sampler's Name:							TAT starts the day received by the lab, if received by 4 30pm	
PO #:						03D2024253		
SAMPLE RECEIPT				Temp Blank:	Yes ☐ No ☒	Wet Ice:	Yes ☒ No ☐	
Samples Received Intact:				Yes ☒ No ☐	Thermometer ID:	F.R.B.		
Cooler Custody Seals:				Yes ☐ No ☒	Correction Factor:	-0.2		
Sample Custody Seals:				Yes ☐ No ☒	Temperature Reading:	7.4		
Total Containers:					Corrected Temperature:	7.6		
Parameters								
PRESERVATION CODES (EPA: 300.0)								PRES. Code
(015)								
(3021)								
ANALYSIS REQUEST								
Preservative Codes								
None NO DI Water H ₂ O								
Cool Cool MeOH Me								
HCL HC HNO ₃ HN								
H ₂ SO ₄ H ₂ NaOH Na								
H ₃ PO ₄ HP								
NaHSO ₄ NABIS								
Na ₂ S ₂ O ₃ NASO ₃								
Zn Acetate+NaOH Zn								
NaOH+Ascorbic Acid SAPC								

[illegible]

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 Ti Sn U V Zn
TCPLP / SPLP 6010	8RCRA	Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U
		Hg 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document at relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xeno, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xeno 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 Xeno. A minimum charge of \$35.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xeno, 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 		2		Joe Tovar	1719 3-14
3		4			
5		6			

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 880-40879-1
SDG Number: Lea County, NM

Login Number: 40879
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Hadlie Green
Ensolum
601 N. Marienfeld St.
Suite 400
Midland, Texas 79701
Generated 4/26/2024 1:54:06 PM

JOB DESCRIPTION

Raspberry State Com 0011H
Lea County

JOB NUMBER

880-42448-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



Generated
4/26/2024 1:54:06 PM

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

Client: Ensolum
Project/Site: Raspberry State Com 0011H

Laboratory Job ID: 880-42448-1
SDG: Lea County

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Definitions/Glossary

Client: Ensolum
Project/Site: Raspberry State Com 0011H

Job ID: 880-42448-1
SDG: Lea County

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
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.
α	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: Raspberry State Com 0011H

Job ID: 880-42448-1

Job ID: 880-42448-1

Eurofins Midland

Job Narrative
880-42448-1

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 4/19/2024 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.8°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SS53A (880-42448-1), SS55A (880-42448-2), SS57A (880-42448-3), SS59A (880-42448-4), SS65A (880-42448-5), SS66A (880-42448-6), SS67A (880-42448-7), SS69A (880-42448-8), SS72A (880-42448-9), SS73A (880-42448-10), SS75A (880-42448-11), FS-03A (880-42448-12), FS-05A (880-42448-13), FS-10A (880-42448-14), FS-11A (880-42448-15), FS-14A (880-42448-16), FS-17A (880-42448-17), FS-18A (880-42448-18) and SW-09 (880-42448-19).

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-78900 and analytical batch 880-78888 was outside the control limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (880-42476-A-1-C MS). Evidence of matrix interferences is not obvious.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-78918 and analytical batch 880-79202 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: FS-05A (880-42448-13). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The CCV was biased high for all analytes. Another CCV was analyzed and acceptable within a 12 hour window, therefore the data was qualified and reported.

Method 8021B: Surrogate recovery for the following samples were outside control limits: FS-10A (880-42448-14), FS-17A (880-42448-17), FS-18A (880-42448-18) and SW-09 (880-42448-19). 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.

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SS73A (880-42448-10), SS75A (880-42448-11), FS-03A (880-42448-12), FS-05A (880-42448-13), FS-10A (880-42448-14), FS-11A (880-42448-15), FS-14A (880-42448-16), FS-17A (880-42448-17), FS-18A (880-42448-18), SW-09 (880-42448-19), (880-42448-A-10-N MS) and (880-42448-A-10-O MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-78774 and analytical batch 880-78869 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 matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-78770 and analytical batch 880-79190 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix

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Case Narrative

Client: Ensolum
Project: Raspberry State Com 0011H

Job ID: 880-42448-1

Job ID: 880-42448-1 (Continued)

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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 sample was outside control limits: (MB 880-78770/1-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: Due to the high concentration of Chloride, the matrix spike / matrix spike duplicate (MS/MSD) for preparation batch 880-78732 and analytical batch 880-78778 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-78742 and analytical batch 880-78955 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.

SS53A (880-42448-1), SS55A (880-42448-2), SS57A (880-42448-3) and SS59A (880-42448-4)

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

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 0011H

Job ID: 880-42448-1
SDG: Lea County

Client Sample ID: SS53A

Lab Sample ID: 880-42448-1

Date Collected: 04/18/24 10:30

Matrix: Solid

Date Received: 04/19/24 08:00

Sample Depth: 0-0.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		04/22/24 09:05	04/22/24 18:36	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		04/22/24 09:05	04/22/24 18:36	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		04/22/24 09:05	04/22/24 18:36	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		04/22/24 09:05	04/22/24 18:36	1
o-Xylene	<0.00199	U	0.00199	0.000342	mg/Kg		04/22/24 09:05	04/22/24 18:36	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		04/22/24 09:05	04/22/24 18:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	04/22/24 09:05	04/22/24 18:36	1
1,4-Difluorobenzene (Surr)	84		70 - 130	04/22/24 09:05	04/22/24 18:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg			04/22/24 18:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	73.5		49.8	14.9	mg/Kg			04/24/24 15:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	37.0	J	49.8	14.9	mg/Kg		04/19/24 13:53	04/24/24 15:18	1
Diesel Range Organics (Over C10-C28)	36.5	J	49.8	14.9	mg/Kg		04/19/24 13:53	04/24/24 15:18	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		04/19/24 13:53	04/24/24 15:18	1
Total TPH	73.5		49.8	14.9	mg/Kg		04/19/24 13:53	04/24/24 15:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	62	S1-	70 - 130	04/19/24 13:53	04/24/24 15:18	1
o-Terphenyl	59	S1-	70 - 130	04/19/24 13:53	04/24/24 15:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	74.0		4.98	0.393	mg/Kg			04/23/24 05:20	1

Client Sample ID: SS55A

Lab Sample ID: 880-42448-2

Date Collected: 04/18/24 10:32

Matrix: Solid

Date Received: 04/19/24 08:00

Sample Depth: 0-0.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		04/22/24 09:05	04/22/24 20:21	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		04/22/24 09:05	04/22/24 20:21	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		04/22/24 09:05	04/22/24 20:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		04/22/24 09:05	04/22/24 20:21	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg		04/22/24 09:05	04/22/24 20:21	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		04/22/24 09:05	04/22/24 20:21	1

Eurofins Midland

Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 0011H

Job ID: 880-42448-1
SDG: Lea County

Client Sample ID: SS55A

Lab Sample ID: 880-42448-2

Date Collected: 04/18/24 10:32

Matrix: Solid

Date Received: 04/19/24 08:00

Sample Depth: 0-0.5'

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	04/22/24 09:05	04/22/24 20:21	1
1,4-Difluorobenzene (Surr)	78		70 - 130	04/22/24 09:05	04/22/24 20:21	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg			04/22/24 20:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	71.0		49.7	14.9	mg/Kg			04/24/24 15:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	39.2	J	49.7	14.9	mg/Kg		04/19/24 13:53	04/24/24 15:40	1
Diesel Range Organics (Over C10-C28)	31.8	J	49.7	14.9	mg/Kg		04/19/24 13:53	04/24/24 15:40	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	14.9	mg/Kg		04/19/24 13:53	04/24/24 15:40	1
Total TPH	71.0		49.7	14.9	mg/Kg		04/19/24 13:53	04/24/24 15:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	04/19/24 13:53	04/24/24 15:40	1
o-Terphenyl	115		70 - 130	04/19/24 13:53	04/24/24 15:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.8		4.95	0.391	mg/Kg			04/23/24 05:25	1

Client Sample ID: SS57A

Lab Sample ID: 880-42448-3

Date Collected: 04/18/24 10:34

Matrix: Solid

Date Received: 04/19/24 08:00

Sample Depth: 0-0.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		04/22/24 09:05	04/22/24 20:48	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		04/22/24 09:05	04/22/24 20:48	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		04/22/24 09:05	04/22/24 20:48	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		04/22/24 09:05	04/22/24 20:48	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		04/22/24 09:05	04/22/24 20:48	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		04/22/24 09:05	04/22/24 20:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	04/22/24 09:05	04/22/24 20:48	1
1,4-Difluorobenzene (Surr)	89		70 - 130	04/22/24 09:05	04/22/24 20:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	0.00101	mg/Kg			04/22/24 20:48	1

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 0011H

Job ID: 880-42448-1
SDG: Lea County

Client Sample ID: SS57A

Lab Sample ID: 880-42448-3

Date Collected: 04/18/24 10:34

Matrix: Solid

Date Received: 04/19/24 08:00

Sample Depth: 0-0.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	56.6		49.7	14.9	mg/Kg			04/24/24 16:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	24.1	J	49.7	14.9	mg/Kg		04/19/24 13:53	04/24/24 16:01	1
Diesel Range Organics (Over C10-C28)	32.5	J	49.7	14.9	mg/Kg		04/19/24 13:53	04/24/24 16:01	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	14.9	mg/Kg		04/19/24 13:53	04/24/24 16:01	1
Total TPH	56.6		49.7	14.9	mg/Kg		04/19/24 13:53	04/24/24 16:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	04/19/24 13:53	04/24/24 16:01	1
o-Terphenyl	99		70 - 130	04/19/24 13:53	04/24/24 16:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18.7		5.02	0.397	mg/Kg			04/23/24 05:30	1

Client Sample ID: SS59A

Lab Sample ID: 880-42448-4

Date Collected: 04/18/24 10:36

Matrix: Solid

Date Received: 04/19/24 08:00

Sample Depth: 0-0.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	0.000381	mg/Kg		04/22/24 09:05	04/22/24 21:14	1
Toluene	<0.00198	U	0.00198	0.000451	mg/Kg		04/22/24 09:05	04/22/24 21:14	1
Ethylbenzene	<0.00198	U	0.00198	0.000559	mg/Kg		04/22/24 09:05	04/22/24 21:14	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	0.00100	mg/Kg		04/22/24 09:05	04/22/24 21:14	1
o-Xylene	<0.00198	U	0.00198	0.000341	mg/Kg		04/22/24 09:05	04/22/24 21:14	1
Xylenes, Total	<0.00396	U	0.00396	0.00100	mg/Kg		04/22/24 09:05	04/22/24 21:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	04/22/24 09:05	04/22/24 21:14	1
1,4-Difluorobenzene (Surr)	87		70 - 130	04/22/24 09:05	04/22/24 21:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	0.00100	mg/Kg			04/22/24 21:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	66.1		49.6	14.9	mg/Kg			04/24/24 16:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	26.5	J	49.6	14.9	mg/Kg		04/19/24 13:53	04/24/24 16:23	1
Diesel Range Organics (Over C10-C28)	39.6	J	49.6	14.9	mg/Kg		04/19/24 13:53	04/24/24 16:23	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	14.9	mg/Kg		04/19/24 13:53	04/24/24 16:23	1

Eurofins Midland

Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 0011H

Job ID: 880-42448-1
SDG: Lea County

Client Sample ID: SS59A

Lab Sample ID: 880-42448-4

Date Collected: 04/18/24 10:36

Matrix: Solid

Date Received: 04/19/24 08:00

Sample Depth: 0-0.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	66.1		49.6	14.9	mg/Kg		04/19/24 13:53	04/24/24 16:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	51	S1-	70 - 130				04/19/24 13:53	04/24/24 16:23	1
o-Terphenyl	48	S1-	70 - 130				04/19/24 13:53	04/24/24 16:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	69.0		4.96	0.392	mg/Kg			04/23/24 05:34	1

Client Sample ID: SS65A

Lab Sample ID: 880-42448-5

Date Collected: 04/18/24 10:38

Matrix: Solid

Date Received: 04/19/24 08:00

Sample Depth: 0-0.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.000389	mg/Kg		04/22/24 09:05	04/22/24 21:41	1
Toluene	<0.00202	U	0.00202	0.000461	mg/Kg		04/22/24 09:05	04/22/24 21:41	1
Ethylbenzene	<0.00202	U	0.00202	0.000571	mg/Kg		04/22/24 09:05	04/22/24 21:41	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00102	mg/Kg		04/22/24 09:05	04/22/24 21:41	1
o-Xylene	<0.00202	U	0.00202	0.000347	mg/Kg		04/22/24 09:05	04/22/24 21:41	1
Xylenes, Total	<0.00404	U	0.00404	0.00102	mg/Kg		04/22/24 09:05	04/22/24 21:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				04/22/24 09:05	04/22/24 21:41	1
1,4-Difluorobenzene (Surr)	84		70 - 130				04/22/24 09:05	04/22/24 21:41	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	0.00102	mg/Kg			04/22/24 21:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	71.4		49.7	14.9	mg/Kg			04/24/24 16:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	29.9	J	49.7	14.9	mg/Kg		04/19/24 13:53	04/24/24 16:44	1
Diesel Range Organics (Over C10-C28)	41.5	J	49.7	14.9	mg/Kg		04/19/24 13:53	04/24/24 16:44	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	14.9	mg/Kg		04/19/24 13:53	04/24/24 16:44	1
Total TPH	71.4		49.7	14.9	mg/Kg		04/19/24 13:53	04/24/24 16:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	51	S1-	70 - 130				04/19/24 13:53	04/24/24 16:44	1
o-Terphenyl	50	S1-	70 - 130				04/19/24 13:53	04/24/24 16:44	1

Eurofins Midland

Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 0011H

Job ID: 880-42448-1
SDG: Lea County

Client Sample ID: SS65A

Lab Sample ID: 880-42448-5

Date Collected: 04/18/24 10:38

Matrix: Solid

Date Received: 04/19/24 08:00

Sample Depth: 0-0.5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	68.5		5.01	0.396	mg/Kg			04/23/24 05:39	1

Client Sample ID: SS66A

Lab Sample ID: 880-42448-6

Date Collected: 04/18/24 10:40

Matrix: Solid

Date Received: 04/19/24 08:00

Sample Depth: 0-0.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		04/22/24 09:05	04/22/24 22:07	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		04/22/24 09:05	04/22/24 22:07	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		04/22/24 09:05	04/22/24 22:07	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		04/22/24 09:05	04/22/24 22:07	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		04/22/24 09:05	04/22/24 22:07	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		04/22/24 09:05	04/22/24 22:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				04/22/24 09:05	04/22/24 22:07	1
1,4-Difluorobenzene (Surr)	80		70 - 130				04/22/24 09:05	04/22/24 22:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg			04/22/24 22:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	71.3		49.6	14.9	mg/Kg			04/24/24 17:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	37.3	J	49.6	14.9	mg/Kg		04/19/24 13:53	04/24/24 17:05	1
Diesel Range Organics (Over C10-C28)	34.0	J	49.6	14.9	mg/Kg		04/19/24 13:53	04/24/24 17:05	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	14.9	mg/Kg		04/19/24 13:53	04/24/24 17:05	1
Total TPH	71.3		49.6	14.9	mg/Kg		04/19/24 13:53	04/24/24 17:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				04/19/24 13:53	04/24/24 17:05	1
o-Terphenyl	85		70 - 130				04/19/24 13:53	04/24/24 17:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.5		4.98	0.393	mg/Kg			04/23/24 05:54	1

Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 0011H

Job ID: 880-42448-1
SDG: Lea County

Client Sample ID: SS67A

Lab Sample ID: 880-42448-7

Date Collected: 04/18/24 10:42

Matrix: Solid

Date Received: 04/19/24 08:00

Sample Depth: 0-0.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.000387	mg/Kg		04/22/24 09:05	04/22/24 22:34	1
Toluene	<0.00201	U	0.00201	0.000459	mg/Kg		04/22/24 09:05	04/22/24 22:34	1
Ethylbenzene	<0.00201	U	0.00201	0.000568	mg/Kg		04/22/24 09:05	04/22/24 22:34	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00102	mg/Kg		04/22/24 09:05	04/22/24 22:34	1
o-Xylene	<0.00201	U	0.00201	0.000346	mg/Kg		04/22/24 09:05	04/22/24 22:34	1
Xylenes, Total	<0.00402	U	0.00402	0.00102	mg/Kg		04/22/24 09:05	04/22/24 22:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	04/22/24 09:05	04/22/24 22:34	1
1,4-Difluorobenzene (Surr)	82		70 - 130	04/22/24 09:05	04/22/24 22:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	0.00102	mg/Kg			04/22/24 22:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	64.8		50.0	15.0	mg/Kg			04/24/24 17:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	35.8	J	50.0	15.0	mg/Kg		04/19/24 13:53	04/24/24 17:27	1
Diesel Range Organics (Over C10-C28)	29.0	J	50.0	15.0	mg/Kg		04/19/24 13:53	04/24/24 17:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		04/19/24 13:53	04/24/24 17:27	1
Total TPH	64.8		50.0	15.0	mg/Kg		04/19/24 13:53	04/24/24 17:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	04/19/24 13:53	04/24/24 17:27	1
o-Terphenyl	110		70 - 130	04/19/24 13:53	04/24/24 17:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.1		4.99	0.394	mg/Kg			04/23/24 05:58	1

Client Sample ID: SS69A

Lab Sample ID: 880-42448-8

Date Collected: 04/18/24 10:44

Matrix: Solid

Date Received: 04/19/24 08:00

Sample Depth: 0-0.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000386	mg/Kg		04/22/24 09:05	04/22/24 23:00	1
Toluene	<0.00200	U	0.00200	0.000457	mg/Kg		04/22/24 09:05	04/22/24 23:00	1
Ethylbenzene	<0.00200	U	0.00200	0.000566	mg/Kg		04/22/24 09:05	04/22/24 23:00	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00101	mg/Kg		04/22/24 09:05	04/22/24 23:00	1
o-Xylene	<0.00200	U	0.00200	0.000345	mg/Kg		04/22/24 09:05	04/22/24 23:00	1
Xylenes, Total	<0.00401	U	0.00401	0.00101	mg/Kg		04/22/24 09:05	04/22/24 23:00	1

Eurofins Midland

Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 0011H

Job ID: 880-42448-1
SDG: Lea County

Client Sample ID: SS69A

Lab Sample ID: 880-42448-8

Date Collected: 04/18/24 10:44

Matrix: Solid

Date Received: 04/19/24 08:00

Sample Depth: 0-0.5'

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	04/22/24 09:05	04/22/24 23:00	1
1,4-Difluorobenzene (Surr)	89		70 - 130	04/22/24 09:05	04/22/24 23:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	0.00101	mg/Kg			04/22/24 23:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	66.8		49.7	14.9	mg/Kg			04/24/24 17:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	38.5	J	49.7	14.9	mg/Kg		04/19/24 13:53	04/24/24 17:48	1
Diesel Range Organics (Over C10-C28)	28.3	J	49.7	14.9	mg/Kg		04/19/24 13:53	04/24/24 17:48	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	14.9	mg/Kg		04/19/24 13:53	04/24/24 17:48	1
Total TPH	66.8		49.7	14.9	mg/Kg		04/19/24 13:53	04/24/24 17:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	04/19/24 13:53	04/24/24 17:48	1
o-Terphenyl	94		70 - 130	04/19/24 13:53	04/24/24 17:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.9		5.02	0.397	mg/Kg			04/23/24 06:13	1

Client Sample ID: SS72A

Lab Sample ID: 880-42448-9

Date Collected: 04/18/24 10:46

Matrix: Solid

Date Received: 04/19/24 08:00

Sample Depth: 0-0.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	0.000382	mg/Kg		04/22/24 09:05	04/22/24 23:27	1
Toluene	<0.00198	U	0.00198	0.000452	mg/Kg		04/22/24 09:05	04/22/24 23:27	1
Ethylbenzene	<0.00198	U	0.00198	0.000561	mg/Kg		04/22/24 09:05	04/22/24 23:27	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	0.00100	mg/Kg		04/22/24 09:05	04/22/24 23:27	1
o-Xylene	<0.00198	U	0.00198	0.000341	mg/Kg		04/22/24 09:05	04/22/24 23:27	1
Xylenes, Total	<0.00397	U	0.00397	0.00100	mg/Kg		04/22/24 09:05	04/22/24 23:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	04/22/24 09:05	04/22/24 23:27	1
1,4-Difluorobenzene (Surr)	85		70 - 130	04/22/24 09:05	04/22/24 23:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397	0.00100	mg/Kg			04/22/24 23:27	1

Eurofins Midland

Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 0011H

Job ID: 880-42448-1
SDG: Lea County

Client Sample ID: SS72A

Lab Sample ID: 880-42448-9

Date Collected: 04/18/24 10:46

Matrix: Solid

Date Received: 04/19/24 08:00

Sample Depth: 0-0.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	46.9		49.8	14.9	mg/Kg			04/24/24 18:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	17.1		49.8	14.9	mg/Kg		04/19/24 13:53	04/24/24 18:09	1
Diesel Range Organics (Over C10-C28)	29.8	J	49.8	14.9	mg/Kg		04/19/24 13:53	04/24/24 18:09	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		04/19/24 13:53	04/24/24 18:09	1
Total TPH	46.9		49.8	14.9	mg/Kg		04/19/24 13:53	04/24/24 18:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	04/19/24 13:53	04/24/24 18:09	1
o-Terphenyl	108		70 - 130	04/19/24 13:53	04/24/24 18:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.5		5.03	0.397	mg/Kg			04/23/24 06:18	1

Client Sample ID: SS73A

Lab Sample ID: 880-42448-10

Date Collected: 04/18/24 10:48

Matrix: Solid

Date Received: 04/19/24 08:00

Sample Depth: 0-0.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	0.000382	mg/Kg		04/22/24 09:05	04/22/24 23:53	1
Toluene	<0.00198	U	0.00198	0.000452	mg/Kg		04/22/24 09:05	04/22/24 23:53	1
Ethylbenzene	<0.00198	U	0.00198	0.000561	mg/Kg		04/22/24 09:05	04/22/24 23:53	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	0.00100	mg/Kg		04/22/24 09:05	04/22/24 23:53	1
o-Xylene	<0.00198	U	0.00198	0.000341	mg/Kg		04/22/24 09:05	04/22/24 23:53	1
Xylenes, Total	<0.00397	U	0.00397	0.00100	mg/Kg		04/22/24 09:05	04/22/24 23:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	04/22/24 09:05	04/22/24 23:53	1
1,4-Difluorobenzene (Surr)	87		70 - 130	04/22/24 09:05	04/22/24 23:53	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397	0.00100	mg/Kg			04/22/24 23:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	16.7	J	50.0	15.0	mg/Kg			04/21/24 19:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2	50.0	15.0	mg/Kg		04/19/24 14:32	04/21/24 19:28	1
Diesel Range Organics (Over C10-C28)	16.7	J F1	50.0	15.0	mg/Kg		04/19/24 14:32	04/21/24 19:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		04/19/24 14:32	04/21/24 19:28	1

Eurofins Midland

Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 0011H

Job ID: 880-42448-1
SDG: Lea County

Client Sample ID: SS73A

Lab Sample ID: 880-42448-10

Date Collected: 04/18/24 10:48

Matrix: Solid

Date Received: 04/19/24 08:00

Sample Depth: 0-0.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	16.7	J F1	50.0	15.0	mg/Kg		04/19/24 14:32	04/21/24 19:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	66	S1-	70 - 130				04/19/24 14:32	04/21/24 19:28	1
o-Terphenyl	66	S1-	70 - 130				04/19/24 14:32	04/21/24 19:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.0		4.97	0.393	mg/Kg			04/23/24 06:23	1

Client Sample ID: SS75A

Lab Sample ID: 880-42448-11

Date Collected: 04/18/24 10:50

Matrix: Solid

Date Received: 04/19/24 08:00

Sample Depth: 0-0.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	0.000381	mg/Kg		04/22/24 09:05	04/23/24 00:20	1
Toluene	<0.00198	U	0.00198	0.000451	mg/Kg		04/22/24 09:05	04/23/24 00:20	1
Ethylbenzene	<0.00198	U	0.00198	0.000559	mg/Kg		04/22/24 09:05	04/23/24 00:20	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	0.00100	mg/Kg		04/22/24 09:05	04/23/24 00:20	1
o-Xylene	<0.00198	U	0.00198	0.000341	mg/Kg		04/22/24 09:05	04/23/24 00:20	1
Xylenes, Total	<0.00396	U	0.00396	0.00100	mg/Kg		04/22/24 09:05	04/23/24 00:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				04/22/24 09:05	04/23/24 00:20	1
1,4-Difluorobenzene (Surr)	86		70 - 130				04/22/24 09:05	04/23/24 00:20	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	0.00100	mg/Kg			04/23/24 00:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	22.8	J	49.8	14.9	mg/Kg			04/21/24 20:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	14.9	mg/Kg		04/19/24 14:32	04/21/24 20:29	1
Diesel Range Organics (Over C10-C28)	22.8	J	49.8	14.9	mg/Kg		04/19/24 14:32	04/21/24 20:29	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		04/19/24 14:32	04/21/24 20:29	1
Total TPH	22.8	J	49.8	14.9	mg/Kg		04/19/24 14:32	04/21/24 20:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	67	S1-	70 - 130				04/19/24 14:32	04/21/24 20:29	1
o-Terphenyl	66	S1-	70 - 130				04/19/24 14:32	04/21/24 20:29	1

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 0011H

Job ID: 880-42448-1
SDG: Lea County

Client Sample ID: SS75A
Date Collected: 04/18/24 10:50
Date Received: 04/19/24 08:00
Sample Depth: 0-0.5'

Lab Sample ID: 880-42448-11
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.6		4.96	0.392	mg/Kg			04/23/24 06:27	1

Client Sample ID: FS-03A
Date Collected: 04/18/24 10:08
Date Received: 04/19/24 08:00
Sample Depth: 1.25'

Lab Sample ID: 880-42448-12
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.000389	mg/Kg		04/22/24 10:33	04/24/24 12:16	1
Toluene	<0.00202	U	0.00202	0.000461	mg/Kg		04/22/24 10:33	04/24/24 12:16	1
Ethylbenzene	<0.00202	U	0.00202	0.000571	mg/Kg		04/22/24 10:33	04/24/24 12:16	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00102	mg/Kg		04/22/24 10:33	04/24/24 12:16	1
o-Xylene	<0.00202	U	0.00202	0.000347	mg/Kg		04/22/24 10:33	04/24/24 12:16	1
Xylenes, Total	<0.00404	U	0.00404	0.00102	mg/Kg		04/22/24 10:33	04/24/24 12:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130				04/22/24 10:33	04/24/24 12:16	1
1,4-Difluorobenzene (Surr)	86		70 - 130				04/22/24 10:33	04/24/24 12:16	1

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	0.00102	mg/Kg			04/24/24 12:16	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	66.4		49.7	14.9	mg/Kg			04/21/24 20:50	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	47.8	J	49.7	14.9	mg/Kg		04/19/24 14:32	04/21/24 20:50	1
Diesel Range Organics (Over C10-C28)	18.6	J	49.7	14.9	mg/Kg		04/19/24 14:32	04/21/24 20:50	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	14.9	mg/Kg		04/19/24 14:32	04/21/24 20:50	1
Total TPH	66.4		49.7	14.9	mg/Kg		04/19/24 14:32	04/21/24 20:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	61	S1-	70 - 130				04/19/24 14:32	04/21/24 20:50	1
o-Terphenyl	60	S1-	70 - 130				04/19/24 14:32	04/21/24 20:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	77.7		4.96	0.392	mg/Kg			04/23/24 06:32	1

Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 0011H

Job ID: 880-42448-1
SDG: Lea County

Client Sample ID: FS-05A

Lab Sample ID: 880-42448-13

Date Collected: 04/18/24 10:10

Matrix: Solid

Date Received: 04/19/24 08:00

Sample Depth: 1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.000389	mg/Kg		04/22/24 10:33	04/24/24 13:39	1
Toluene	<0.00202	U	0.00202	0.000461	mg/Kg		04/22/24 10:33	04/24/24 13:39	1
Ethylbenzene	<0.00202	U	0.00202	0.000571	mg/Kg		04/22/24 10:33	04/24/24 13:39	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00102	mg/Kg		04/22/24 10:33	04/24/24 13:39	1
o-Xylene	<0.00202	U	0.00202	0.000347	mg/Kg		04/22/24 10:33	04/24/24 13:39	1
Xylenes, Total	<0.00404	U	0.00404	0.00102	mg/Kg		04/22/24 10:33	04/24/24 13:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	153	S1+	70 - 130	04/22/24 10:33	04/24/24 13:39	1
1,4-Difluorobenzene (Surr)	78		70 - 130	04/22/24 10:33	04/24/24 13:39	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	0.00102	mg/Kg			04/24/24 13:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	46.9	J	49.7	14.9	mg/Kg			04/21/24 21:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	14.9	mg/Kg		04/19/24 14:32	04/21/24 21:10	1
Diesel Range Organics (Over C10-C28)	46.9	J	49.7	14.9	mg/Kg		04/19/24 14:32	04/21/24 21:10	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	14.9	mg/Kg		04/19/24 14:32	04/21/24 21:10	1
Total TPH	46.9	J	49.7	14.9	mg/Kg		04/19/24 14:32	04/21/24 21:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	62	S1-	70 - 130	04/19/24 14:32	04/21/24 21:10	1
o-Terphenyl	63	S1-	70 - 130	04/19/24 14:32	04/21/24 21:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	75.6		5.03	0.397	mg/Kg			04/23/24 06:37	1

Client Sample ID: FS-10A

Lab Sample ID: 880-42448-14

Date Collected: 04/18/24 10:12

Matrix: Solid

Date Received: 04/19/24 08:00

Sample Depth: 1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		04/22/24 10:33	04/24/24 16:55	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		04/22/24 10:33	04/24/24 16:55	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		04/22/24 10:33	04/24/24 16:55	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		04/22/24 10:33	04/24/24 16:55	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		04/22/24 10:33	04/24/24 16:55	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		04/22/24 10:33	04/24/24 16:55	1

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 0011H

Job ID: 880-42448-1
SDG: Lea County

Client Sample ID: FS-10A

Lab Sample ID: 880-42448-14

Date Collected: 04/18/24 10:12

Matrix: Solid

Date Received: 04/19/24 08:00

Sample Depth: 1'

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130	04/22/24 10:33	04/24/24 16:55	1
1,4-Difluorobenzene (Surr)	94		70 - 130	04/22/24 10:33	04/24/24 16:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg			04/24/24 16:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	20.8	J	49.6	14.9	mg/Kg			04/21/24 21:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6	14.9	mg/Kg		04/19/24 14:32	04/21/24 21:30	1
Diesel Range Organics (Over C10-C28)	20.8	J	49.6	14.9	mg/Kg		04/19/24 14:32	04/21/24 21:30	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	14.9	mg/Kg		04/19/24 14:32	04/21/24 21:30	1
Total TPH	20.8	J	49.6	14.9	mg/Kg		04/19/24 14:32	04/21/24 21:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	64	S1-	70 - 130	04/19/24 14:32	04/21/24 21:30	1
o-Terphenyl	65	S1-	70 - 130	04/19/24 14:32	04/21/24 21:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	78.0		5.05	0.399	mg/Kg			04/23/24 06:42	1

Client Sample ID: FS-11A

Lab Sample ID: 880-42448-15

Date Collected: 04/18/24 10:14

Matrix: Solid

Date Received: 04/19/24 08:00

Sample Depth: 1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		04/22/24 10:33	04/24/24 17:15	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		04/22/24 10:33	04/24/24 17:15	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		04/22/24 10:33	04/24/24 17:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		04/22/24 10:33	04/24/24 17:15	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg		04/22/24 10:33	04/24/24 17:15	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		04/22/24 10:33	04/24/24 17:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130	04/22/24 10:33	04/24/24 17:15	1
1,4-Difluorobenzene (Surr)	86		70 - 130	04/22/24 10:33	04/24/24 17:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg			04/24/24 17:15	1

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 0011H

Job ID: 880-42448-1
SDG: Lea County

Client Sample ID: FS-11A

Lab Sample ID: 880-42448-15

Date Collected: 04/18/24 10:14

Matrix: Solid

Date Received: 04/19/24 08:00

Sample Depth: 1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	19.2	J	49.6	14.9	mg/Kg			04/21/24 21:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6	14.9	mg/Kg		04/19/24 14:32	04/21/24 21:50	1
Diesel Range Organics (Over C10-C28)	19.2	J	49.6	14.9	mg/Kg		04/19/24 14:32	04/21/24 21:50	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	14.9	mg/Kg		04/19/24 14:32	04/21/24 21:50	1
Total TPH	19.2	J	49.6	14.9	mg/Kg		04/19/24 14:32	04/21/24 21:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	63	S1-	70 - 130				04/19/24 14:32	04/21/24 21:50	1
o-Terphenyl	63	S1-	70 - 130				04/19/24 14:32	04/21/24 21:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	77.2		5.00	0.395	mg/Kg			04/19/24 23:24	1

Client Sample ID: FS-14A

Lab Sample ID: 880-42448-16

Date Collected: 04/18/24 10:16

Matrix: Solid

Date Received: 04/19/24 08:00

Sample Depth: 1.25'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		04/22/24 10:33	04/24/24 17:36	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		04/22/24 10:33	04/24/24 17:36	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		04/22/24 10:33	04/24/24 17:36	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		04/22/24 10:33	04/24/24 17:36	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		04/22/24 10:33	04/24/24 17:36	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		04/22/24 10:33	04/24/24 17:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130				04/22/24 10:33	04/24/24 17:36	1
1,4-Difluorobenzene (Surr)	88		70 - 130				04/22/24 10:33	04/24/24 17:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	0.00101	mg/Kg			04/24/24 17:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	20.8	J	50.0	15.0	mg/Kg			04/21/24 22:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		04/19/24 14:32	04/21/24 22:10	1
Diesel Range Organics (Over C10-C28)	20.8	J	50.0	15.0	mg/Kg		04/19/24 14:32	04/21/24 22:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		04/19/24 14:32	04/21/24 22:10	1

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 0011H

Job ID: 880-42448-1
SDG: Lea County

Client Sample ID: FS-14A

Lab Sample ID: 880-42448-16

Date Collected: 04/18/24 10:16

Matrix: Solid

Date Received: 04/19/24 08:00

Sample Depth: 1.25'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	20.8	J	50.0	15.0	mg/Kg		04/19/24 14:32	04/21/24 22:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	66	S1-	70 - 130				04/19/24 14:32	04/21/24 22:10	1
o-Terphenyl	66	S1-	70 - 130				04/19/24 14:32	04/21/24 22:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	69.7		4.97	0.393	mg/Kg			04/19/24 23:29	1

Client Sample ID: FS-17A

Lab Sample ID: 880-42448-17

Date Collected: 04/18/24 10:18

Matrix: Solid

Date Received: 04/19/24 08:00

Sample Depth: 1.25'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.000387	mg/Kg		04/22/24 10:33	04/24/24 17:56	1
Toluene	<0.00201	U	0.00201	0.000458	mg/Kg		04/22/24 10:33	04/24/24 17:56	1
Ethylbenzene	<0.00201	U	0.00201	0.000567	mg/Kg		04/22/24 10:33	04/24/24 17:56	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00101	mg/Kg		04/22/24 10:33	04/24/24 17:56	1
o-Xylene	<0.00201	U	0.00201	0.000345	mg/Kg		04/22/24 10:33	04/24/24 17:56	1
Xylenes, Total	<0.00402	U	0.00402	0.00101	mg/Kg		04/22/24 10:33	04/24/24 17:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130				04/22/24 10:33	04/24/24 17:56	1
1,4-Difluorobenzene (Surr)	86		70 - 130				04/22/24 10:33	04/24/24 17:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	0.00101	mg/Kg			04/24/24 17:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	27.2	J	49.5	14.9	mg/Kg			04/21/24 22:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.5	U	49.5	14.9	mg/Kg		04/19/24 14:32	04/21/24 22:31	1
Diesel Range Organics (Over C10-C28)	27.2	J	49.5	14.9	mg/Kg		04/19/24 14:32	04/21/24 22:31	1
Oil Range Organics (Over C28-C36)	<49.5	U	49.5	14.9	mg/Kg		04/19/24 14:32	04/21/24 22:31	1
Total TPH	27.2	J	49.5	14.9	mg/Kg		04/19/24 14:32	04/21/24 22:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	61	S1-	70 - 130				04/19/24 14:32	04/21/24 22:31	1
o-Terphenyl	60	S1-	70 - 130				04/19/24 14:32	04/21/24 22:31	1

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Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 0011H

Job ID: 880-42448-1
SDG: Lea County

Client Sample ID: FS-17A

Lab Sample ID: 880-42448-17

Date Collected: 04/18/24 10:18

Matrix: Solid

Date Received: 04/19/24 08:00

Sample Depth: 1.25'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	68.5		4.95	0.391	mg/Kg			04/19/24 23:34	1

Client Sample ID: FS-18A

Lab Sample ID: 880-42448-18

Date Collected: 04/18/24 10:20

Matrix: Solid

Date Received: 04/19/24 08:00

Sample Depth: 1.25'

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.000388	mg/Kg		04/22/24 10:33	04/24/24 18:17	1
Toluene	<0.00202	U	0.00202	0.000460	mg/Kg		04/22/24 10:33	04/24/24 18:17	1
Ethylbenzene	<0.00202	U	0.00202	0.000570	mg/Kg		04/22/24 10:33	04/24/24 18:17	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	0.00102	mg/Kg		04/22/24 10:33	04/24/24 18:17	1
o-Xylene	<0.00202	U	0.00202	0.000347	mg/Kg		04/22/24 10:33	04/24/24 18:17	1
Xylenes, Total	<0.00403	U	0.00403	0.00102	mg/Kg		04/22/24 10:33	04/24/24 18:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130				04/22/24 10:33	04/24/24 18:17	1
1,4-Difluorobenzene (Surr)	90		70 - 130				04/22/24 10:33	04/24/24 18:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	0.00102	mg/Kg			04/24/24 18:17	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	18.7	J	49.9	15.0	mg/Kg			04/21/24 22:51	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		04/19/24 14:32	04/21/24 22:51	1
Diesel Range Organics (Over C10-C28)	18.7	J	49.9	15.0	mg/Kg		04/19/24 14:32	04/21/24 22:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		04/19/24 14:32	04/21/24 22:51	1
Total TPH	18.7	J	49.9	15.0	mg/Kg		04/19/24 14:32	04/21/24 22:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	65	S1-	70 - 130				04/19/24 14:32	04/21/24 22:51	1
o-Terphenyl	65	S1-	70 - 130				04/19/24 14:32	04/21/24 22:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	72.3		4.96	0.392	mg/Kg			04/19/24 23:39	1

Client Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 0011H

Job ID: 880-42448-1
SDG: Lea County

Client Sample ID: SW-09

Lab Sample ID: 880-42448-19

Date Collected: 04/18/24 10:22

Matrix: Solid

Date Received: 04/19/24 08:00

Sample Depth: 0-0.75'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		04/22/24 10:33	04/24/24 18:37	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		04/22/24 10:33	04/24/24 18:37	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		04/22/24 10:33	04/24/24 18:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		04/22/24 10:33	04/24/24 18:37	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg		04/22/24 10:33	04/24/24 18:37	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		04/22/24 10:33	04/24/24 18:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	143	S1+	70 - 130				04/22/24 10:33	04/24/24 18:37	1
1,4-Difluorobenzene (Surr)	85		70 - 130				04/22/24 10:33	04/24/24 18:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg			04/24/24 18:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	19.9	J	49.9	15.0	mg/Kg			04/21/24 23:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		04/19/24 14:32	04/21/24 23:12	1
Diesel Range Organics (Over C10-C28)	19.9	J	49.9	15.0	mg/Kg		04/19/24 14:32	04/21/24 23:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		04/19/24 14:32	04/21/24 23:12	1
Total TPH	19.9	J	49.9	15.0	mg/Kg		04/19/24 14:32	04/21/24 23:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	64	S1-	70 - 130				04/19/24 14:32	04/21/24 23:12	1
o-Terphenyl	65	S1-	70 - 130				04/19/24 14:32	04/21/24 23:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	69.6		4.95	0.391	mg/Kg			04/19/24 23:44	1

Surrogate Summary

Client: Ensolum
Project/Site: Raspberry State Com 0011H

Job ID: 880-42448-1
SDG: Lea County

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)
880-42448-1	SS53A	102	84
880-42448-2	SS55A	95	78
880-42448-3	SS57A	105	89
880-42448-4	SS59A	99	87
880-42448-5	SS65A	97	84
880-42448-6	SS66A	95	80
880-42448-7	SS67A	103	82
880-42448-8	SS69A	110	89
880-42448-9	SS72A	90	85
880-42448-10	SS73A	98	87
880-42448-11	SS75A	111	86
880-42448-12	FS-03A	131 S1+	86
880-42448-12 MS	FS-03A	98	90
880-42448-12 MSD	FS-03A	95	104
880-42448-13	FS-05A	153 S1+	78
880-42448-14	FS-10A	138 S1+	94
880-42448-15	FS-11A	130	86
880-42448-16	FS-14A	125	88
880-42448-17	FS-17A	132 S1+	86
880-42448-18	FS-18A	137 S1+	90
880-42448-19	SW-09	143 S1+	85
LCS 880-78900/1-A	Lab Control Sample	108	94
LCS 880-78918/1-A	Lab Control Sample	91	103
LCSD 880-78900/2-A	Lab Control Sample Dup	91	95
LCSD 880-78918/2-A	Lab Control Sample Dup	100	103
MB 880-78900/5-A	Method Blank	65 S1-	87
MB 880-78918/5-A	Method Blank	161 S1+	93
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)
880-42448-1	SS53A	62 S1-	59 S1-
880-42448-2	SS55A	106	115
880-42448-3	SS57A	92	99
880-42448-4	SS59A	51 S1-	48 S1-
880-42448-5	SS65A	51 S1-	50 S1-
880-42448-6	SS66A	83	85
880-42448-7	SS67A	105	110
880-42448-8	SS69A	100	94
880-42448-9	SS72A	102	108
880-42448-10	SS73A	66 S1-	66 S1-
880-42448-10 MS	SS73A	67 S1-	63 S1-
880-42448-10 MSD	SS73A	67 S1-	62 S1-

Surrogate Summary

Client: Ensolum
Project/Site: Raspberry State Com 0011H

Job ID: 880-42448-1
SDG: Lea County

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)
880-42448-11	SS75A	67 S1-	66 S1-
880-42448-12	FS-03A	61 S1-	60 S1-
880-42448-13	FS-05A	62 S1-	63 S1-
880-42448-14	FS-10A	64 S1-	65 S1-
880-42448-15	FS-11A	63 S1-	63 S1-
880-42448-16	FS-14A	66 S1-	66 S1-
880-42448-17	FS-17A	61 S1-	60 S1-
880-42448-18	FS-18A	65 S1-	65 S1-
880-42448-19	SW-09	64 S1-	65 S1-
LCS 880-78770/2-A	Lab Control Sample	101	107
LCS 880-78774/2-A	Lab Control Sample	99	111
LCSD 880-78770/3-A	Lab Control Sample Dup	77	82
LCSD 880-78774/3-A	Lab Control Sample Dup	96	107
MB 880-78770/1-A	Method Blank	101	138 S1+
MB 880-78774/1-A	Method Blank	111	109
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 0011H

Job ID: 880-42448-1
SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-78900/5-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 78888							Prep Batch: 78900		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		04/22/24 09:05	04/22/24 14:11	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		04/22/24 09:05	04/22/24 14:11	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		04/22/24 09:05	04/22/24 14:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		04/22/24 09:05	04/22/24 14:11	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		04/22/24 09:05	04/22/24 14:11	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		04/22/24 09:05	04/22/24 14:11	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	65	S1-	70 - 130				04/22/24 09:05	04/22/24 14:11	1
1,4-Difluorobenzene (Surr)	87		70 - 130				04/22/24 09:05	04/22/24 14:11	1

Lab Sample ID: LCS 880-78900/1-A							Client Sample ID: Lab Control Sample		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 78888							Prep Batch: 78900		
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	0.100	0.1133		mg/Kg		113	70 - 130		
Toluene	0.100	0.1251		mg/Kg		125	70 - 130		
Ethylbenzene	0.100	0.1262		mg/Kg		126	70 - 130		
m-Xylene & p-Xylene	0.200	0.2547		mg/Kg		127	70 - 130		
o-Xylene	0.100	0.1258		mg/Kg		126	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	108		70 - 130						
1,4-Difluorobenzene (Surr)	94		70 - 130						

Lab Sample ID: LCSD 880-78900/2-A					Client Sample ID: Lab Control Sample Dup						
Matrix: Solid					Prep Type: Total/NA						
Analysis Batch: 78888					Prep Batch: 78900						
				Spike	LCSD	LCSD			%Rec		RPD
Analyte				Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD
Benzene				0.100	0.1015		mg/Kg		102	70 - 130	11
Toluene				0.100	0.1096		mg/Kg		110	70 - 130	13
Ethylbenzene				0.100	0.1113		mg/Kg		111	70 - 130	13
m-Xylene & p-Xylene				0.200	0.2275		mg/Kg		114	70 - 130	11
o-Xylene				0.100	0.1155		mg/Kg		115	70 - 130	9

Lab Sample ID: MB 880-78918/5-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 79202							Prep Batch: 78918		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		04/22/24 10:33	04/24/24 11:55	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		04/22/24 10:33	04/24/24 11:55	1

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QC Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 0011H

Job ID: 880-42448-1
SDG: Lea County

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

Lab Sample ID: MB 880-78918/5-A

Matrix: Solid

Analysis Batch: 79202

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 78918

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		04/22/24 10:33	04/24/24 11:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		04/22/24 10:33	04/24/24 11:55	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		04/22/24 10:33	04/24/24 11:55	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		04/22/24 10:33	04/24/24 11:55	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	161	S1+	70 - 130				04/22/24 10:33	04/24/24 11:55	1
1,4-Difluorobenzene (Surr)	93		70 - 130				04/22/24 10:33	04/24/24 11:55	1

Lab Sample ID: LCS 880-78918/1-A

Matrix: Solid

Analysis Batch: 79202

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 78918

Analyte			Spike	LCS	LCS	Unit	D	%Rec	%Rec		
			Added	Result	Qualifier				Limits		
Benzene			0.100	0.07980		mg/Kg		80	70 - 130		
Toluene			0.100	0.07979		mg/Kg		80	70 - 130		
Ethylbenzene			0.100	0.07672		mg/Kg		77	70 - 130		
m-Xylene & p-Xylene			0.200	0.1580		mg/Kg		79	70 - 130		
o-Xylene			0.100	0.07942		mg/Kg		79	70 - 130		
				LCS	LCS						
Surrogate				%Recovery	Qualifier	Limits					
4-Bromofluorobenzene (Surr)				91		70 - 130					
1,4-Difluorobenzene (Surr)				103		70 - 130					

Lab Sample ID: LCSD 880-78918/2-A

Matrix: Solid

Analysis Batch: 79202

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 78918

Analyte			Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	RPD
			Added	Result	Qualifier				Limits		Limit
Benzene			0.100	0.08113		mg/Kg		81	70 - 130	2	35
Toluene			0.100	0.08130		mg/Kg		81	70 - 130	2	35
Ethylbenzene			0.100	0.07886		mg/Kg		79	70 - 130	3	35
m-Xylene & p-Xylene			0.200	0.1633		mg/Kg		82	70 - 130	3	35
o-Xylene			0.100	0.08288		mg/Kg		83	70 - 130	4	35
		LCSD	LCSD								
Surrogate		%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)		100		70 - 130							
1,4-Difluorobenzene (Surr)		103		70 - 130							

Lab Sample ID: 880-42448-12 MS

Matrix: Solid

Analysis Batch: 79202

Client Sample ID: FS-03A

Prep Type: Total/NA

Prep Batch: 78918

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Benzene	<0.00202	U	0.100	0.07205		mg/Kg		72	70 - 130
Toluene	<0.00202	U	0.100	0.07450		mg/Kg		75	70 - 130
Ethylbenzene	<0.00202	U	0.100	0.07539		mg/Kg		75	70 - 130
m-Xylene & p-Xylene	<0.00404	U	0.200	0.1546		mg/Kg		77	70 - 130

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QC Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 0011H

Job ID: 880-42448-1
SDG: Lea County

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

Lab Sample ID: 880-42448-12 MS
Matrix: Solid
Analysis Batch: 79202

Client Sample ID: FS-03A
Prep Type: Total/NA
Prep Batch: 78918

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	<0.00202	U	0.100	0.07889		mg/Kg		79	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	98		70 - 130						
1,4-Difluorobenzene (Surr)	90		70 - 130						

Lab Sample ID: 880-42448-12 MSD
Matrix: Solid
Analysis Batch: 79202

Client Sample ID: FS-03A
Prep Type: Total/NA
Prep Batch: 78918

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.100	0.07629		mg/Kg		76	70 - 130	6	35
Toluene	<0.00202	U	0.100	0.07955		mg/Kg		80	70 - 130	7	35
Ethylbenzene	<0.00202	U	0.100	0.07773		mg/Kg		78	70 - 130	3	35
m-Xylene & p-Xylene	<0.00404	U	0.200	0.1597		mg/Kg		80	70 - 130	3	35
o-Xylene	<0.00202	U	0.100	0.08205		mg/Kg		82	70 - 130	4	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	95		70 - 130								
1,4-Difluorobenzene (Surr)	104		70 - 130								

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

Lab Sample ID: MB 880-78770/1-A
Matrix: Solid
Analysis Batch: 79190

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 78770

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		04/19/24 13:53	04/24/24 07:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		04/19/24 13:53	04/24/24 07:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		04/19/24 13:53	04/24/24 07:43	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		04/19/24 13:53	04/24/24 07:43	1
Surrogate	MB %Recovery	MB Qualifier	Limits						
1-Chlorooctane	101		70 - 130						
o-Terphenyl	138	S1+	70 - 130						

Lab Sample ID: LCS 880-78770/2-A
Matrix: Solid
Analysis Batch: 79190

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 78770

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	880.8		mg/Kg		88	70 - 130
Diesel Range Organics (Over C10-C28)	1000	854.2		mg/Kg		85	70 - 130

Eurofins Midland

QC Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 0011H

Job ID: 880-42448-1
SDG: Lea County

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

Lab Sample ID: LCS 880-78770/2-A
Matrix: Solid
Analysis Batch: 79190

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 78770

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	107		70 - 130

Lab Sample ID: LCSD 880-78770/3-A
Matrix: Solid
Analysis Batch: 79190

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 78770

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	830.2		mg/Kg		83	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	1000	715.5		mg/Kg		72	70 - 130	18	20

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

Lab Sample ID: MB 880-78774/1-A
Matrix: Solid
Analysis Batch: 78869

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 78774

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		04/19/24 14:32	04/21/24 18:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		04/19/24 14:32	04/21/24 18:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		04/19/24 14:32	04/21/24 18:27	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		04/19/24 14:32	04/21/24 18:27	1

	MB	MB					Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane	111		70 - 130				04/19/24 14:32	04/21/24 18:27	1
o-Terphenyl	109		70 - 130				04/19/24 14:32	04/21/24 18:27	1

Lab Sample ID: LCS 880-78774/2-A
Matrix: Solid
Analysis Batch: 78869

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 78774

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	981.0		mg/Kg		98	70 - 130
Diesel Range Organics (Over C10-C28)	1000	924.8		mg/Kg		92	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	111		70 - 130

Eurofins Midland

QC Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 0011H

Job ID: 880-42448-1
SDG: Lea County

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

Lab Sample ID: LCSD 880-78774/3-A				Client Sample ID: Lab Control Sample Dup							
Matrix: Solid				Prep Type: Total/NA							
Analysis Batch: 78869				Prep Batch: 78774							
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	991.8		mg/Kg		99	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	904.4		mg/Kg		90	70 - 130	2	20
LCSD LCSD											
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	96		70 - 130								
o-Terphenyl	107		70 - 130								

Lab Sample ID: 880-42448-10 MS				Client Sample ID: SS73A							
Matrix: Solid				Prep Type: Total/NA							
Analysis Batch: 78869				Prep Batch: 78774							
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 F2	999	885.2		mg/Kg		89	70 - 130		
Diesel Range Organics (Over C10-C28)	16.7	J F1	999	635.5	F1	mg/Kg		62	70 - 130		
MS MS											
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	67	S1-	70 - 130								
o-Terphenyl	63	S1-	70 - 130								

Lab Sample ID: 880-42448-10 MSD				Client Sample ID: SS73A							
Matrix: Solid				Prep Type: Total/NA							
Analysis Batch: 78869				Prep Batch: 78774							
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 F2	999	707.7	F2	mg/Kg		71	70 - 130	22	20
Diesel Range Organics (Over C10-C28)	16.7	J F1	999	610.9	F1	mg/Kg		59	70 - 130	4	20
MSD MSD											
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	67	S1-	70 - 130								
o-Terphenyl	62	S1-	70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-78732/1-A				Client Sample ID: Method Blank							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 78778											
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Chloride	<5.00	U	5.00	0.395	mg/Kg			04/19/24 21:18	1		

QC Sample Results

Client: Ensolum
Project/Site: Raspberry State Com 0011H

Job ID: 880-42448-1
SDG: Lea County

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-78732/2-A
Matrix: Solid
Analysis Batch: 78778

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	249.7		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-78732/3-A
Matrix: Solid
Analysis Batch: 78778

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	249.3		mg/Kg		100	90 - 110	0	20

Lab Sample ID: MB 880-78742/1-A
Matrix: Solid
Analysis Batch: 78955

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	0.395	mg/Kg			04/23/24 04:17	1

Lab Sample ID: LCS 880-78742/2-A
Matrix: Solid
Analysis Batch: 78955

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	250.9		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-78742/3-A
Matrix: Solid
Analysis Batch: 78955

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	251.0		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 880-42448-5 MS
Matrix: Solid
Analysis Batch: 78955

Client Sample ID: SS65A
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	68.5		251	312.8		mg/Kg		98	90 - 110

Lab Sample ID: 880-42448-5 MSD
Matrix: Solid
Analysis Batch: 78955

Client Sample ID: SS65A
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	68.5		251	313.0		mg/Kg		98	90 - 110	0	20

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QC Association Summary

Client: Ensolum
Project/Site: Raspberry State Com 0011H

Job ID: 880-42448-1
SDG: Lea County

GC VOA

Analysis Batch: 78888

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42448-1	SS53A	Total/NA	Solid	8021B	78900
880-42448-2	SS55A	Total/NA	Solid	8021B	78900
880-42448-3	SS57A	Total/NA	Solid	8021B	78900
880-42448-4	SS59A	Total/NA	Solid	8021B	78900
880-42448-5	SS65A	Total/NA	Solid	8021B	78900
880-42448-6	SS66A	Total/NA	Solid	8021B	78900
880-42448-7	SS67A	Total/NA	Solid	8021B	78900
880-42448-8	SS69A	Total/NA	Solid	8021B	78900
880-42448-9	SS72A	Total/NA	Solid	8021B	78900
880-42448-10	SS73A	Total/NA	Solid	8021B	78900
880-42448-11	SS75A	Total/NA	Solid	8021B	78900
MB 880-78900/5-A	Method Blank	Total/NA	Solid	8021B	78900
LCS 880-78900/1-A	Lab Control Sample	Total/NA	Solid	8021B	78900
LCSD 880-78900/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	78900

Prep Batch: 78900

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42448-1	SS53A	Total/NA	Solid	5035	
880-42448-2	SS55A	Total/NA	Solid	5035	
880-42448-3	SS57A	Total/NA	Solid	5035	
880-42448-4	SS59A	Total/NA	Solid	5035	
880-42448-5	SS65A	Total/NA	Solid	5035	
880-42448-6	SS66A	Total/NA	Solid	5035	
880-42448-7	SS67A	Total/NA	Solid	5035	
880-42448-8	SS69A	Total/NA	Solid	5035	
880-42448-9	SS72A	Total/NA	Solid	5035	
880-42448-10	SS73A	Total/NA	Solid	5035	
880-42448-11	SS75A	Total/NA	Solid	5035	
MB 880-78900/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-78900/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-78900/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 78918

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42448-12	FS-03A	Total/NA	Solid	5035	
880-42448-13	FS-05A	Total/NA	Solid	5035	
880-42448-14	FS-10A	Total/NA	Solid	5035	
880-42448-15	FS-11A	Total/NA	Solid	5035	
880-42448-16	FS-14A	Total/NA	Solid	5035	
880-42448-17	FS-17A	Total/NA	Solid	5035	
880-42448-18	FS-18A	Total/NA	Solid	5035	
880-42448-19	SW-09	Total/NA	Solid	5035	
MB 880-78918/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-78918/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-78918/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-42448-12 MS	FS-03A	Total/NA	Solid	5035	
880-42448-12 MSD	FS-03A	Total/NA	Solid	5035	

Analysis Batch: 79127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42448-1	SS53A	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Ensolum
Project/Site: Raspberry State Com 0011H

Job ID: 880-42448-1
SDG: Lea County

GC VOA (Continued)

Analysis Batch: 79127 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42448-2	SS55A	Total/NA	Solid	Total BTEX	
880-42448-3	SS57A	Total/NA	Solid	Total BTEX	
880-42448-4	SS59A	Total/NA	Solid	Total BTEX	
880-42448-5	SS65A	Total/NA	Solid	Total BTEX	
880-42448-6	SS66A	Total/NA	Solid	Total BTEX	
880-42448-7	SS67A	Total/NA	Solid	Total BTEX	
880-42448-8	SS69A	Total/NA	Solid	Total BTEX	
880-42448-9	SS72A	Total/NA	Solid	Total BTEX	
880-42448-10	SS73A	Total/NA	Solid	Total BTEX	
880-42448-11	SS75A	Total/NA	Solid	Total BTEX	
880-42448-12	FS-03A	Total/NA	Solid	Total BTEX	
880-42448-13	FS-05A	Total/NA	Solid	Total BTEX	
880-42448-14	FS-10A	Total/NA	Solid	Total BTEX	
880-42448-15	FS-11A	Total/NA	Solid	Total BTEX	
880-42448-16	FS-14A	Total/NA	Solid	Total BTEX	
880-42448-17	FS-17A	Total/NA	Solid	Total BTEX	
880-42448-18	FS-18A	Total/NA	Solid	Total BTEX	
880-42448-19	SW-09	Total/NA	Solid	Total BTEX	

Analysis Batch: 79202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42448-12	FS-03A	Total/NA	Solid	8021B	78918
880-42448-13	FS-05A	Total/NA	Solid	8021B	78918
880-42448-14	FS-10A	Total/NA	Solid	8021B	78918
880-42448-15	FS-11A	Total/NA	Solid	8021B	78918
880-42448-16	FS-14A	Total/NA	Solid	8021B	78918
880-42448-17	FS-17A	Total/NA	Solid	8021B	78918
880-42448-18	FS-18A	Total/NA	Solid	8021B	78918
880-42448-19	SW-09	Total/NA	Solid	8021B	78918
MB 880-78918/5-A	Method Blank	Total/NA	Solid	8021B	78918
LCS 880-78918/1-A	Lab Control Sample	Total/NA	Solid	8021B	78918
LCSD 880-78918/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	78918
880-42448-12 MS	FS-03A	Total/NA	Solid	8021B	78918
880-42448-12 MSD	FS-03A	Total/NA	Solid	8021B	78918

GC Semi VOA

Prep Batch: 78770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42448-1	SS53A	Total/NA	Solid	8015NM Prep	
880-42448-2	SS55A	Total/NA	Solid	8015NM Prep	
880-42448-3	SS57A	Total/NA	Solid	8015NM Prep	
880-42448-4	SS59A	Total/NA	Solid	8015NM Prep	
880-42448-5	SS65A	Total/NA	Solid	8015NM Prep	
880-42448-6	SS66A	Total/NA	Solid	8015NM Prep	
880-42448-7	SS67A	Total/NA	Solid	8015NM Prep	
880-42448-8	SS69A	Total/NA	Solid	8015NM Prep	
880-42448-9	SS72A	Total/NA	Solid	8015NM Prep	
MB 880-78770/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-78770/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-78770/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Ensolum
Project/Site: Raspberry State Com 0011H

Job ID: 880-42448-1
SDG: Lea County

GC Semi VOA

Prep Batch: 78774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42448-10	SS73A	Total/NA	Solid	8015NM Prep	
880-42448-11	SS75A	Total/NA	Solid	8015NM Prep	
880-42448-12	FS-03A	Total/NA	Solid	8015NM Prep	
880-42448-13	FS-05A	Total/NA	Solid	8015NM Prep	
880-42448-14	FS-10A	Total/NA	Solid	8015NM Prep	
880-42448-15	FS-11A	Total/NA	Solid	8015NM Prep	
880-42448-16	FS-14A	Total/NA	Solid	8015NM Prep	
880-42448-17	FS-17A	Total/NA	Solid	8015NM Prep	
880-42448-18	FS-18A	Total/NA	Solid	8015NM Prep	
880-42448-19	SW-09	Total/NA	Solid	8015NM Prep	
MB 880-78774/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-78774/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-78774/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-42448-10 MS	SS73A	Total/NA	Solid	8015NM Prep	
880-42448-10 MSD	SS73A	Total/NA	Solid	8015NM Prep	

Analysis Batch: 78869

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42448-10	SS73A	Total/NA	Solid	8015B NM	78774
880-42448-11	SS75A	Total/NA	Solid	8015B NM	78774
880-42448-12	FS-03A	Total/NA	Solid	8015B NM	78774
880-42448-13	FS-05A	Total/NA	Solid	8015B NM	78774
880-42448-14	FS-10A	Total/NA	Solid	8015B NM	78774
880-42448-15	FS-11A	Total/NA	Solid	8015B NM	78774
880-42448-16	FS-14A	Total/NA	Solid	8015B NM	78774
880-42448-17	FS-17A	Total/NA	Solid	8015B NM	78774
880-42448-18	FS-18A	Total/NA	Solid	8015B NM	78774
880-42448-19	SW-09	Total/NA	Solid	8015B NM	78774
MB 880-78774/1-A	Method Blank	Total/NA	Solid	8015B NM	78774
LCS 880-78774/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	78774
LCSD 880-78774/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	78774
880-42448-10 MS	SS73A	Total/NA	Solid	8015B NM	78774
880-42448-10 MSD	SS73A	Total/NA	Solid	8015B NM	78774

Analysis Batch: 78937

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42448-1	SS53A	Total/NA	Solid	8015 NM	
880-42448-2	SS55A	Total/NA	Solid	8015 NM	
880-42448-3	SS57A	Total/NA	Solid	8015 NM	
880-42448-4	SS59A	Total/NA	Solid	8015 NM	
880-42448-5	SS65A	Total/NA	Solid	8015 NM	
880-42448-6	SS66A	Total/NA	Solid	8015 NM	
880-42448-7	SS67A	Total/NA	Solid	8015 NM	
880-42448-8	SS69A	Total/NA	Solid	8015 NM	
880-42448-9	SS72A	Total/NA	Solid	8015 NM	
880-42448-10	SS73A	Total/NA	Solid	8015 NM	
880-42448-11	SS75A	Total/NA	Solid	8015 NM	
880-42448-12	FS-03A	Total/NA	Solid	8015 NM	
880-42448-13	FS-05A	Total/NA	Solid	8015 NM	
880-42448-14	FS-10A	Total/NA	Solid	8015 NM	
880-42448-15	FS-11A	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Ensolum
Project/Site: Raspberry State Com 0011H

Job ID: 880-42448-1
SDG: Lea County

GC Semi VOA (Continued)

Analysis Batch: 78937 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42448-16	FS-14A	Total/NA	Solid	8015 NM	
880-42448-17	FS-17A	Total/NA	Solid	8015 NM	
880-42448-18	FS-18A	Total/NA	Solid	8015 NM	
880-42448-19	SW-09	Total/NA	Solid	8015 NM	

Analysis Batch: 79190

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42448-1	SS53A	Total/NA	Solid	8015B NM	78770
880-42448-2	SS55A	Total/NA	Solid	8015B NM	78770
880-42448-3	SS57A	Total/NA	Solid	8015B NM	78770
880-42448-4	SS59A	Total/NA	Solid	8015B NM	78770
880-42448-5	SS65A	Total/NA	Solid	8015B NM	78770
880-42448-6	SS66A	Total/NA	Solid	8015B NM	78770
880-42448-7	SS67A	Total/NA	Solid	8015B NM	78770
880-42448-8	SS69A	Total/NA	Solid	8015B NM	78770
880-42448-9	SS72A	Total/NA	Solid	8015B NM	78770
MB 880-78770/1-A	Method Blank	Total/NA	Solid	8015B NM	78770
LCS 880-78770/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	78770
LCSD 880-78770/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	78770

HPLC/IC

Leach Batch: 78732

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42448-15	FS-11A	Soluble	Solid	DI Leach	
880-42448-16	FS-14A	Soluble	Solid	DI Leach	
880-42448-17	FS-17A	Soluble	Solid	DI Leach	
880-42448-18	FS-18A	Soluble	Solid	DI Leach	
880-42448-19	SW-09	Soluble	Solid	DI Leach	
MB 880-78732/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-78732/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-78732/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 78742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42448-1	SS53A	Soluble	Solid	DI Leach	
880-42448-2	SS55A	Soluble	Solid	DI Leach	
880-42448-3	SS57A	Soluble	Solid	DI Leach	
880-42448-4	SS59A	Soluble	Solid	DI Leach	
880-42448-5	SS65A	Soluble	Solid	DI Leach	
880-42448-6	SS66A	Soluble	Solid	DI Leach	
880-42448-7	SS67A	Soluble	Solid	DI Leach	
880-42448-8	SS69A	Soluble	Solid	DI Leach	
880-42448-9	SS72A	Soluble	Solid	DI Leach	
880-42448-10	SS73A	Soluble	Solid	DI Leach	
880-42448-11	SS75A	Soluble	Solid	DI Leach	
880-42448-12	FS-03A	Soluble	Solid	DI Leach	
880-42448-13	FS-05A	Soluble	Solid	DI Leach	
880-42448-14	FS-10A	Soluble	Solid	DI Leach	
MB 880-78742/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-78742/2-A	Lab Control Sample	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Ensolum
Project/Site: Raspberry State Com 0011H

Job ID: 880-42448-1
SDG: Lea County

HPLC/IC (Continued)

Leach Batch: 78742 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-78742/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-42448-5 MS	SS65A	Soluble	Solid	DI Leach	
880-42448-5 MSD	SS65A	Soluble	Solid	DI Leach	

Analysis Batch: 78778

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42448-15	FS-11A	Soluble	Solid	300.0	78732
880-42448-16	FS-14A	Soluble	Solid	300.0	78732
880-42448-17	FS-17A	Soluble	Solid	300.0	78732
880-42448-18	FS-18A	Soluble	Solid	300.0	78732
880-42448-19	SW-09	Soluble	Solid	300.0	78732
MB 880-78732/1-A	Method Blank	Soluble	Solid	300.0	78732
LCS 880-78732/2-A	Lab Control Sample	Soluble	Solid	300.0	78732
LCSD 880-78732/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	78732

Analysis Batch: 78955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42448-1	SS53A	Soluble	Solid	300.0	78742
880-42448-2	SS55A	Soluble	Solid	300.0	78742
880-42448-3	SS57A	Soluble	Solid	300.0	78742
880-42448-4	SS59A	Soluble	Solid	300.0	78742
880-42448-5	SS65A	Soluble	Solid	300.0	78742
880-42448-6	SS66A	Soluble	Solid	300.0	78742
880-42448-7	SS67A	Soluble	Solid	300.0	78742
880-42448-8	SS69A	Soluble	Solid	300.0	78742
880-42448-9	SS72A	Soluble	Solid	300.0	78742
880-42448-10	SS73A	Soluble	Solid	300.0	78742
880-42448-11	SS75A	Soluble	Solid	300.0	78742
880-42448-12	FS-03A	Soluble	Solid	300.0	78742
880-42448-13	FS-05A	Soluble	Solid	300.0	78742
880-42448-14	FS-10A	Soluble	Solid	300.0	78742
MB 880-78742/1-A	Method Blank	Soluble	Solid	300.0	78742
LCS 880-78742/2-A	Lab Control Sample	Soluble	Solid	300.0	78742
LCSD 880-78742/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	78742
880-42448-5 MS	SS65A	Soluble	Solid	300.0	78742
880-42448-5 MSD	SS65A	Soluble	Solid	300.0	78742

Lab Chronicle

Client: Ensolum
Project/Site: Raspberry State Com 0011H

Job ID: 880-42448-1
SDG: Lea County

Client Sample ID: SS53A

Date Collected: 04/18/24 10:30

Date Received: 04/19/24 08:00

Lab Sample ID: 880-42448-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			78900	EL	EET MID	04/22/24 09:05
Total/NA	Analysis	8021B		1	78888	MNR	EET MID	04/22/24 18:36
Total/NA	Analysis	Total BTEX		1	79127	SM	EET MID	04/22/24 18:36
Total/NA	Analysis	8015 NM		1	78937	SM	EET MID	04/24/24 15:18
Total/NA	Prep	8015NM Prep			78770	EL	EET MID	04/19/24 13:53
Total/NA	Analysis	8015B NM		1	79190	AJ	EET MID	04/24/24 15:18
Soluble	Leach	DI Leach			78742	SMC	EET MID	04/19/24 12:01
Soluble	Analysis	300.0		1	78955	SMC	EET MID	04/23/24 05:20

Client Sample ID: SS55A

Date Collected: 04/18/24 10:32

Date Received: 04/19/24 08:00

Lab Sample ID: 880-42448-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			78900	EL	EET MID	04/22/24 09:05
Total/NA	Analysis	8021B		1	78888	MNR	EET MID	04/22/24 20:21
Total/NA	Analysis	Total BTEX		1	79127	SM	EET MID	04/22/24 20:21
Total/NA	Analysis	8015 NM		1	78937	SM	EET MID	04/24/24 15:40
Total/NA	Prep	8015NM Prep			78770	EL	EET MID	04/19/24 13:53
Total/NA	Analysis	8015B NM		1	79190	AJ	EET MID	04/24/24 15:40
Soluble	Leach	DI Leach			78742	SMC	EET MID	04/19/24 12:01
Soluble	Analysis	300.0		1	78955	SMC	EET MID	04/23/24 05:25

Client Sample ID: SS57A

Date Collected: 04/18/24 10:34

Date Received: 04/19/24 08:00

Lab Sample ID: 880-42448-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			78900	EL	EET MID	04/22/24 09:05
Total/NA	Analysis	8021B		1	78888	MNR	EET MID	04/22/24 20:48
Total/NA	Analysis	Total BTEX		1	79127	SM	EET MID	04/22/24 20:48
Total/NA	Analysis	8015 NM		1	78937	SM	EET MID	04/24/24 16:01
Total/NA	Prep	8015NM Prep			78770	EL	EET MID	04/19/24 13:53
Total/NA	Analysis	8015B NM		1	79190	AJ	EET MID	04/24/24 16:01
Soluble	Leach	DI Leach			78742	SMC	EET MID	04/19/24 12:01
Soluble	Analysis	300.0		1	78955	SMC	EET MID	04/23/24 05:30

Client Sample ID: SS59A

Date Collected: 04/18/24 10:36

Date Received: 04/19/24 08:00

Lab Sample ID: 880-42448-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			78900	EL	EET MID	04/22/24 09:05
Total/NA	Analysis	8021B		1	78888	MNR	EET MID	04/22/24 21:14
Total/NA	Analysis	Total BTEX		1	79127	SM	EET MID	04/22/24 21:14

Eurofins Midland

Lab Chronicle

Client: Ensolum
Project/Site: Raspberry State Com 0011H

Job ID: 880-42448-1
SDG: Lea County

Client Sample ID: SS59A

Lab Sample ID: 880-42448-4

Date Collected: 04/18/24 10:36

Matrix: Solid

Date Received: 04/19/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015 NM		1	78937	SM	EET MID	04/24/24 16:23
Total/NA	Prep	8015NM Prep			78770	EL	EET MID	04/19/24 13:53
Total/NA	Analysis	8015B NM		1	79190	AJ	EET MID	04/24/24 16:23
Soluble	Leach	DI Leach			78742	SMC	EET MID	04/19/24 12:01
Soluble	Analysis	300.0		1	78955	SMC	EET MID	04/23/24 05:34

Client Sample ID: SS65A

Lab Sample ID: 880-42448-5

Date Collected: 04/18/24 10:38

Matrix: Solid

Date Received: 04/19/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			78900	EL	EET MID	04/22/24 09:05
Total/NA	Analysis	8021B		1	78888	MNR	EET MID	04/22/24 21:41
Total/NA	Analysis	Total BTEX		1	79127	SM	EET MID	04/22/24 21:41
Total/NA	Analysis	8015 NM		1	78937	SM	EET MID	04/24/24 16:44
Total/NA	Prep	8015NM Prep			78770	EL	EET MID	04/19/24 13:53
Total/NA	Analysis	8015B NM		1	79190	AJ	EET MID	04/24/24 16:44
Soluble	Leach	DI Leach			78742	SMC	EET MID	04/19/24 12:01
Soluble	Analysis	300.0		1	78955	SMC	EET MID	04/23/24 05:39

Client Sample ID: SS66A

Lab Sample ID: 880-42448-6

Date Collected: 04/18/24 10:40

Matrix: Solid

Date Received: 04/19/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			78900	EL	EET MID	04/22/24 09:05
Total/NA	Analysis	8021B		1	78888	MNR	EET MID	04/22/24 22:07
Total/NA	Analysis	Total BTEX		1	79127	SM	EET MID	04/22/24 22:07
Total/NA	Analysis	8015 NM		1	78937	SM	EET MID	04/24/24 17:05
Total/NA	Prep	8015NM Prep			78770	EL	EET MID	04/19/24 13:53
Total/NA	Analysis	8015B NM		1	79190	AJ	EET MID	04/24/24 17:05
Soluble	Leach	DI Leach			78742	SMC	EET MID	04/19/24 12:01
Soluble	Analysis	300.0		1	78955	SMC	EET MID	04/23/24 05:54

Client Sample ID: SS67A

Lab Sample ID: 880-42448-7

Date Collected: 04/18/24 10:42

Matrix: Solid

Date Received: 04/19/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			78900	EL	EET MID	04/22/24 09:05
Total/NA	Analysis	8021B		1	78888	MNR	EET MID	04/22/24 22:34
Total/NA	Analysis	Total BTEX		1	79127	SM	EET MID	04/22/24 22:34
Total/NA	Analysis	8015 NM		1	78937	SM	EET MID	04/24/24 17:27
Total/NA	Prep	8015NM Prep			78770	EL	EET MID	04/19/24 13:53
Total/NA	Analysis	8015B NM		1	79190	AJ	EET MID	04/24/24 17:27

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Lab Chronicle

Client: Ensolum
Project/Site: Raspberry State Com 0011H

Job ID: 880-42448-1
SDG: Lea County

Client Sample ID: SS67A
Date Collected: 04/18/24 10:42
Date Received: 04/19/24 08:00

Lab Sample ID: 880-42448-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			78742	SMC	EET MID	04/19/24 12:01
Soluble	Analysis	300.0		1	78955	SMC	EET MID	04/23/24 05:58

Client Sample ID: SS69A
Date Collected: 04/18/24 10:44
Date Received: 04/19/24 08:00

Lab Sample ID: 880-42448-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			78900	EL	EET MID	04/22/24 09:05
Total/NA	Analysis	8021B		1	78888	MNR	EET MID	04/22/24 23:00
Total/NA	Analysis	Total BTEX		1	79127	SM	EET MID	04/22/24 23:00
Total/NA	Analysis	8015 NM		1	78937	SM	EET MID	04/24/24 17:48
Total/NA	Prep	8015NM Prep			78770	EL	EET MID	04/19/24 13:53
Total/NA	Analysis	8015B NM		1	79190	AJ	EET MID	04/24/24 17:48
Soluble	Leach	DI Leach			78742	SMC	EET MID	04/19/24 12:01
Soluble	Analysis	300.0		1	78955	SMC	EET MID	04/23/24 06:13

Client Sample ID: SS72A
Date Collected: 04/18/24 10:46
Date Received: 04/19/24 08:00

Lab Sample ID: 880-42448-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			78900	EL	EET MID	04/22/24 09:05
Total/NA	Analysis	8021B		1	78888	MNR	EET MID	04/22/24 23:27
Total/NA	Analysis	Total BTEX		1	79127	SM	EET MID	04/22/24 23:27
Total/NA	Analysis	8015 NM		1	78937	SM	EET MID	04/24/24 18:09
Total/NA	Prep	8015NM Prep			78770	EL	EET MID	04/19/24 13:53
Total/NA	Analysis	8015B NM		1	79190	AJ	EET MID	04/24/24 18:09
Soluble	Leach	DI Leach			78742	SMC	EET MID	04/19/24 12:01
Soluble	Analysis	300.0		1	78955	SMC	EET MID	04/23/24 06:18

Client Sample ID: SS73A
Date Collected: 04/18/24 10:48
Date Received: 04/19/24 08:00

Lab Sample ID: 880-42448-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			78900	EL	EET MID	04/22/24 09:05
Total/NA	Analysis	8021B		1	78888	MNR	EET MID	04/22/24 23:53
Total/NA	Analysis	Total BTEX		1	79127	SM	EET MID	04/22/24 23:53
Total/NA	Analysis	8015 NM		1	78937	SM	EET MID	04/21/24 19:28
Total/NA	Prep	8015NM Prep			78774	EL	EET MID	04/19/24 14:32
Total/NA	Analysis	8015B NM		1	78869	SM	EET MID	04/21/24 19:28
Soluble	Leach	DI Leach			78742	SMC	EET MID	04/19/24 12:01
Soluble	Analysis	300.0		1	78955	SMC	EET MID	04/23/24 06:23

Lab Chronicle

Client: Ensolum
Project/Site: Raspberry State Com 0011H

Job ID: 880-42448-1
SDG: Lea County

Client Sample ID: SS75A

Date Collected: 04/18/24 10:50

Date Received: 04/19/24 08:00

Lab Sample ID: 880-42448-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			78900	EL	EET MID	04/22/24 09:05
Total/NA	Analysis	8021B		1	78888	MNR	EET MID	04/23/24 00:20
Total/NA	Analysis	Total BTEX		1	79127	SM	EET MID	04/23/24 00:20
Total/NA	Analysis	8015 NM		1	78937	SM	EET MID	04/21/24 20:29
Total/NA	Prep	8015NM Prep			78774	EL	EET MID	04/19/24 14:32
Total/NA	Analysis	8015B NM		1	78869	SM	EET MID	04/21/24 20:29
Soluble	Leach	DI Leach			78742	SMC	EET MID	04/19/24 12:01
Soluble	Analysis	300.0		1	78955	SMC	EET MID	04/23/24 06:27

Client Sample ID: FS-03A

Date Collected: 04/18/24 10:08

Date Received: 04/19/24 08:00

Lab Sample ID: 880-42448-12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			78918	AA	EET MID	04/22/24 10:33
Total/NA	Analysis	8021B		1	79202	MNR	EET MID	04/24/24 12:16
Total/NA	Analysis	Total BTEX		1	79127	SM	EET MID	04/24/24 12:16
Total/NA	Analysis	8015 NM		1	78937	SM	EET MID	04/21/24 20:50
Total/NA	Prep	8015NM Prep			78774	EL	EET MID	04/19/24 14:32
Total/NA	Analysis	8015B NM		1	78869	SM	EET MID	04/21/24 20:50
Soluble	Leach	DI Leach			78742	SMC	EET MID	04/19/24 12:01
Soluble	Analysis	300.0		1	78955	SMC	EET MID	04/23/24 06:32

Client Sample ID: FS-05A

Date Collected: 04/18/24 10:10

Date Received: 04/19/24 08:00

Lab Sample ID: 880-42448-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			78918	AA	EET MID	04/22/24 10:33
Total/NA	Analysis	8021B		1	79202	MNR	EET MID	04/24/24 13:39
Total/NA	Analysis	Total BTEX		1	79127	SM	EET MID	04/24/24 13:39
Total/NA	Analysis	8015 NM		1	78937	SM	EET MID	04/21/24 21:10
Total/NA	Prep	8015NM Prep			78774	EL	EET MID	04/19/24 14:32
Total/NA	Analysis	8015B NM		1	78869	SM	EET MID	04/21/24 21:10
Soluble	Leach	DI Leach			78742	SMC	EET MID	04/19/24 12:01
Soluble	Analysis	300.0		1	78955	SMC	EET MID	04/23/24 06:37

Client Sample ID: FS-10A

Date Collected: 04/18/24 10:12

Date Received: 04/19/24 08:00

Lab Sample ID: 880-42448-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			78918	AA	EET MID	04/22/24 10:33
Total/NA	Analysis	8021B		1	79202	MNR	EET MID	04/24/24 16:55
Total/NA	Analysis	Total BTEX		1	79127	SM	EET MID	04/24/24 16:55

Eurofins Midland

Lab Chronicle

Client: Ensolum
Project/Site: Raspberry State Com 0011H

Job ID: 880-42448-1
SDG: Lea County

Client Sample ID: FS-10A

Date Collected: 04/18/24 10:12

Date Received: 04/19/24 08:00

Lab Sample ID: 880-42448-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015 NM		1	78937	SM	EET MID	04/21/24 21:30
Total/NA	Prep	8015NM Prep			78774	EL	EET MID	04/19/24 14:32
Total/NA	Analysis	8015B NM		1	78869	SM	EET MID	04/21/24 21:30
Soluble	Leach	DI Leach			78742	SMC	EET MID	04/19/24 12:01
Soluble	Analysis	300.0		1	78955	SMC	EET MID	04/23/24 06:42

Client Sample ID: FS-11A

Date Collected: 04/18/24 10:14

Date Received: 04/19/24 08:00

Lab Sample ID: 880-42448-15

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			78918	AA	EET MID	04/22/24 10:33
Total/NA	Analysis	8021B		1	79202	MNR	EET MID	04/24/24 17:15
Total/NA	Analysis	Total BTEX		1	79127	SM	EET MID	04/24/24 17:15
Total/NA	Analysis	8015 NM		1	78937	SM	EET MID	04/21/24 21:50
Total/NA	Prep	8015NM Prep			78774	EL	EET MID	04/19/24 14:32
Total/NA	Analysis	8015B NM		1	78869	SM	EET MID	04/21/24 21:50
Soluble	Leach	DI Leach			78732	SMC	EET MID	04/19/24 11:37
Soluble	Analysis	300.0		1	78778	SMC	EET MID	04/19/24 23:24

Client Sample ID: FS-14A

Date Collected: 04/18/24 10:16

Date Received: 04/19/24 08:00

Lab Sample ID: 880-42448-16

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			78918	AA	EET MID	04/22/24 10:33
Total/NA	Analysis	8021B		1	79202	MNR	EET MID	04/24/24 17:36
Total/NA	Analysis	Total BTEX		1	79127	SM	EET MID	04/24/24 17:36
Total/NA	Analysis	8015 NM		1	78937	SM	EET MID	04/21/24 22:10
Total/NA	Prep	8015NM Prep			78774	EL	EET MID	04/19/24 14:32
Total/NA	Analysis	8015B NM		1	78869	SM	EET MID	04/21/24 22:10
Soluble	Leach	DI Leach			78732	SMC	EET MID	04/19/24 11:37
Soluble	Analysis	300.0		1	78778	SMC	EET MID	04/19/24 23:29

Client Sample ID: FS-17A

Date Collected: 04/18/24 10:18

Date Received: 04/19/24 08:00

Lab Sample ID: 880-42448-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			78918	AA	EET MID	04/22/24 10:33
Total/NA	Analysis	8021B		1	79202	MNR	EET MID	04/24/24 17:56
Total/NA	Analysis	Total BTEX		1	79127	SM	EET MID	04/24/24 17:56
Total/NA	Analysis	8015 NM		1	78937	SM	EET MID	04/21/24 22:31
Total/NA	Prep	8015NM Prep			78774	EL	EET MID	04/19/24 14:32
Total/NA	Analysis	8015B NM		1	78869	SM	EET MID	04/21/24 22:31

Eurofins Midland

Lab Chronicle

Client: Ensolum
Project/Site: Raspberry State Com 0011H

Job ID: 880-42448-1
SDG: Lea County

Client Sample ID: FS-17A

Date Collected: 04/18/24 10:18

Date Received: 04/19/24 08:00

Lab Sample ID: 880-42448-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			78732	SMC	EET MID	04/19/24 11:37
Soluble	Analysis	300.0		1	78778	SMC	EET MID	04/19/24 23:34

Client Sample ID: FS-18A

Date Collected: 04/18/24 10:20

Date Received: 04/19/24 08:00

Lab Sample ID: 880-42448-18

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			78918	AA	EET MID	04/22/24 10:33
Total/NA	Analysis	8021B		1	79202	MNR	EET MID	04/24/24 18:17
Total/NA	Analysis	Total BTEX		1	79127	SM	EET MID	04/24/24 18:17
Total/NA	Analysis	8015 NM		1	78937	SM	EET MID	04/21/24 22:51
Total/NA	Prep	8015NM Prep			78774	EL	EET MID	04/19/24 14:32
Total/NA	Analysis	8015B NM		1	78869	SM	EET MID	04/21/24 22:51
Soluble	Leach	DI Leach			78732	SMC	EET MID	04/19/24 11:37
Soluble	Analysis	300.0		1	78778	SMC	EET MID	04/19/24 23:39

Client Sample ID: SW-09

Date Collected: 04/18/24 10:22

Date Received: 04/19/24 08:00

Lab Sample ID: 880-42448-19

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			78918	AA	EET MID	04/22/24 10:33
Total/NA	Analysis	8021B		1	79202	MNR	EET MID	04/24/24 18:37
Total/NA	Analysis	Total BTEX		1	79127	SM	EET MID	04/24/24 18:37
Total/NA	Analysis	8015 NM		1	78937	SM	EET MID	04/21/24 23:12
Total/NA	Prep	8015NM Prep			78774	EL	EET MID	04/19/24 14:32
Total/NA	Analysis	8015B NM		1	78869	SM	EET MID	04/21/24 23:12
Soluble	Leach	DI Leach			78732	SMC	EET MID	04/19/24 11:37
Soluble	Analysis	300.0		1	78778	SMC	EET MID	04/19/24 23:44

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

Accreditation/Certification Summary

Client: Ensolum
Project/Site: Raspberry State Com 0011H

Job ID: 880-42448-1
SDG: Lea County

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
8015B NM	8015NM Prep	Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Ensolum
Project/Site: Raspberry State Com 0011H

Job ID: 880-42448-1
SDG: Lea County

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

Job ID: 880-42448-1

Project/Site: Raspberry State Com 0011H

SDG: Lea County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-42448-1	SS53A	Solid	04/18/24 10:30	04/19/24 08:00	0-0.5'
880-42448-2	SS55A	Solid	04/18/24 10:32	04/19/24 08:00	0-0.5'
880-42448-3	SS57A	Solid	04/18/24 10:34	04/19/24 08:00	0-0.5'
880-42448-4	SS59A	Solid	04/18/24 10:36	04/19/24 08:00	0-0.5'
880-42448-5	SS65A	Solid	04/18/24 10:38	04/19/24 08:00	0-0.5'
880-42448-6	SS66A	Solid	04/18/24 10:40	04/19/24 08:00	0-0.5'
880-42448-7	SS67A	Solid	04/18/24 10:42	04/19/24 08:00	0-0.5'
880-42448-8	SS69A	Solid	04/18/24 10:44	04/19/24 08:00	0-0.5'
880-42448-9	SS72A	Solid	04/18/24 10:46	04/19/24 08:00	0-0.5'
880-42448-10	SS73A	Solid	04/18/24 10:48	04/19/24 08:00	0-0.5'
880-42448-11	SS75A	Solid	04/18/24 10:50	04/19/24 08:00	0-0.5'
880-42448-12	FS-03A	Solid	04/18/24 10:08	04/19/24 08:00	1.25'
880-42448-13	FS-05A	Solid	04/18/24 10:10	04/19/24 08:00	1'
880-42448-14	FS-10A	Solid	04/18/24 10:12	04/19/24 08:00	1'
880-42448-15	FS-11A	Solid	04/18/24 10:14	04/19/24 08:00	1'
880-42448-16	FS-14A	Solid	04/18/24 10:16	04/19/24 08:00	1.25'
880-42448-17	FS-17A	Solid	04/18/24 10:18	04/19/24 08:00	1.25'
880-42448-18	FS-18A	Solid	04/18/24 10:20	04/19/24 08:00	1.25'
880-42448-19	SW-09	Solid	04/18/24 10:22	04/19/24 08:00	0-0.75'



Environment Testing
Xenco

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



880-42448 Chain of Custody

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Work Order Comments

Program: ☐ UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project: ☐ Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Reporting: ☐ Deliverables ☐ EDD ☐ ADAPT ☐ Other

Project Manager: Hadlie Green

Company Name: Enselum LLC

Address: 601 N Munterfeld

City, State Zip: Midland, TX 79701

Phone: 432 557-8895

Bill to: (if different)

Company Name:

Address:

City, State Zip:

Email: hgreen@enselum.com

Project Name: Raspberry State Com coil		Turn Around		Pres. Code		ANALYSIS REQUEST		Preservative Codes	
Project Number	Project Location	Project Name	Project Address	Project City, State Zip	Project Phone	Project Email	Project Project	Project Project	
03D2024253	Lea County	Taathra G NACH	03D2024253						
SAMPLE RECEIPT									
Samples Received Intact:		Yes ☒ No ☐		Wet Ice: Yes ☒ No ☐		Parameters			
Cooler Custody Seals:		Yes ☒ No ☐		Thermometer ID: 1.1		# of Cont			
Sample Custody Seals:		Yes ☒ No ☐		Temperature Reading: 1.9		Grab/Comp			
Total Containers:		Yes ☒ No ☐		Corrected Temperature: 1.8		Depth			
Sample Identification		Matrix		Date Sampled		Time Sampled		Sample Comments	
SS53A		S		4/18/24		1030			
SS55A		S		4/18/24		1032			
SS57A		S		4/18/24		1034			
SS59A		S		4/18/24		1036			
SS65A		S		4/18/24		1038			
SS66A		S		4/18/24		1040			
SS67A		S		4/18/24		1042			
SS69A		S		4/18/24		1044			
SS72A		S		4/18/24		1046			
SS73A		S		4/18/24		1048			

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 8RCRA Sb As Ba Be B Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg 1631 / 245 1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase 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
		4/18/24 1540			

Revised Date: 08/25/2020 Rev. 2020.2



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

Environment Testing
Xenco

Work Order No: 880
42448

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Work Order Cor

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 Manager: Hadlie Green

Company Name: Ensolum, LLC

Address: 601 N Mainfield St Ste 400

City, State ZIP: Midland, TX 79701

Phone: 432-557-8895

Bill to (if different): Ensolum, LLC

Company Name: Ensolum, LLC

Address: 601 N Mainfield St Ste 400

City, State ZIP: Midland, TX 79701

Phone: 432-557-8895

Email: hgreen@ensolum.com

Project Name: Raspberry state com

Project Number: 03D2024253

Project Location: Lea County

Sampler's Name: Talitha G / Nrah D

PO #: 03D2024253

SAMPLE RECEIPT

Samples Received Intact: Yes ☐ No ☐

Cooler Custody Seals: Yes ☐ No ☐

Sample Custody Seals: Yes ☐ No ☐

Total Containers: 1

Temp Blank: Yes ☐ No ☐

Thermometer ID: 1012

Correction Factor: 1012

Temperature Reading: 1012

Corrected Temperature: 1012

Turn Around: ☒ Routine ☐ Rush

Due Date: 1012

TAT starts the day received by the lab, if received by 4:30pm

Parameters

Grab/Comp

Depth

Time Sampled

Date Sampled

Matrix

Sample Identification

Sample Codes

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 SiO₂ Na Sr Ti 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 Ti U Hg 1631 / 2451 / 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) [Signature] Received by (Signature) [Signature] Date/Time 4/18/24 15:00

Relinquished by (Signature) [Signature] Received by (Signature) [Signature] Date/Time 4/18/24 15:00

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 880-42448-1

SDG Number: Lea County

Login Number: 42448

List Source: Eurofins Midland

List Number: 1

Creator: Vasquez, Julisa

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



APPENDIX E

NMOCD Notifications

From: [Velez, Nelson, EMNRD](#)
To: [Hadlie Green](#)
Cc: [Laird, Jacob](#)
Subject: Re: [EXTERNAL] COG - Proposed Scope of Work - Raspberry State Com 001H (Incident Number NAPP2402940801)
Date: Thursday, February 22, 2024 10:47:55 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[Outlook-ii0vkuty.png](#)

[**EXTERNAL EMAIL **]

Good morning Hadlie,

Thank you for the correspondence. Your proposed scope of work toward delineation is approved.

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/>



From: Hadlie Green <hgreen@ensolum.com>
Sent: Tuesday, February 20, 2024 1:09 PM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Cc: Laird, Jacob <Jacob.Laird@conocophillips.com>
Subject: [EXTERNAL] COG - Proposed Scope of Work - Raspberry State Com 001H (Incident Number

NAPP2402940801)

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good afternoon Nelson,

Ensolum, on behalf of COG Operating, LLC (COG) would like to request review of a Proposed Scope of Work for a crude oil overspray release that occurred at the Raspberry State Com 001H (Incident Number NAPP2402940801). On February 5, 2024, a baird back pressure valve cut out on the well head, resulting in the overspray of approximately 12.18 barrels (bbls) of crude oil onto the well pad, into the surrounding pasture, onto the Witherspoon 26 23 State #001H well pad managed and operated by Cimarex Energy Co., and onto the Merchant State Unit #601H well pad managed and operated by Matador Production Company. The well head was immediately isolated and repaired to prevent further release. COG notified both Cimarex Energy Co. and Matador Production Company and immediately scraped the surface of the well pads based on residual staining. COG also power washed the lined containments affected by the overspray release to remove residual fluid and/or staining.

Depth to groundwater is estimated to be greater than 100 feet below ground surface (bgs) and no other sensitive receptors were identified.

Ensolum would like to provide a proposed scope of work and request approval before continuing delineation activities. I've attached a KMZ with a proposed scope of work detailing additional investigation grab sampling to further vertically and laterally delineate the overspray extent and proposed excavation extents on the COG well pad for samples that initially exceeded Site Closure Criteria and/or the private land owner Surface Use and Compensation Agreement. I've also attached the soil analytical table (Table 1) with laboratory analytical results from initial assessment activities. Ensolum will also complete liner integrity inspections for the COG Raspberry State Com 001H and the Cimarex Witherspoon 26 23 State #001H lined containments affected by the overspray release. If you agree with our proposed scope of work, we will proceed with remediation activities and provide a Closure Request.

Please let me know if you have any additional questions or would like to schedule a meeting to discuss. We appreciate your time.

Thank you,



Hadlie Green

Project Geologist

432-557-8895

hgreen@ensolum.com

Ensolum, LLC



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District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 341502

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 341502
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2402940801
Incident Name	NAPP2402940801 RASPBERRY STATE COM 001H @ 0
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2203852734] Raspberry State Com 1H - Battery

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	RASPBERRY STATE COM 001H
Date Release Discovered	01/18/2024
Surface Owner	Private

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Oil Release
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	
<i>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.</i>	
Crude Oil Released (bbls) Details	Cause: Equipment Failure Valve Crude Oil Released: 12 BBL Recovered: 0 BBL Lost: 12 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
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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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 2

Action 341502

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 341502
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
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: 04/04/2024
--	---

District I

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Santa Fe, NM 87505

QUESTIONS, Page 3

Action 341502

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:
	229137
	Action Number:
	341502
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

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	NM OSE iWaters Database Search
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 1 and 5 (mi.)
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	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 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	Greater than 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)	2960
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	2340
GRO+DRO	(EPA SW-846 Method 8015M)	2107
BTEX	(EPA SW-846 Method 8021B or 8260B)	8.2
Benzene	(EPA SW-846 Method 8021B or 8260B)	0

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	01/22/2024
On what date will (or did) the final sampling or liner inspection occur	04/18/2024
On what date will (or was) the remediation complete(d)	04/18/2024
What is the estimated surface area (in square feet) that will be reclaimed	4520
What is the estimated volume (in cubic yards) that will be reclaimed	167
What is the estimated surface area (in square feet) that will be remediated	4598
What is the estimated volume (in cubic yards) that will be remediated	170

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.

District I
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QUESTIONS, Page 4

Action 341502

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 341502
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>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.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(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	LEA LAND LANDFILL [fEEM0112342028]
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	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>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>	
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: 05/07/2024
<i>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.</i>	

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QUESTIONS, Page 5

Action 341502

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 341502
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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

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QUESTIONS, Page 6

Action 341502

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:	229137
	Action Number:	341502
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	333504
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/18/2024
What was the (estimated) number of samples that were to be gathered	25
What was the sampling surface area in square feet	377470

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	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	4598
What was the total volume (cubic yards) remediated	170
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	4598
What was the total volume (in cubic yards) reclaimed	170
Summarize any additional remediation activities not included by answers (above)	N/A

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 05/07/2024
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QUESTIONS, Page 7

Action 341502

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:
	229137
	Action Number:
	341502
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 341502

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:
	229137
	Action Number:
	341502
Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	6/3/2024
scott.rodgers	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	6/3/2024