



June 9, 2025

New Mexico Oil Conservation Division

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

**Re: Deferral Request
Christmas 28 # 05
Incident Number NAPP2407128665
Lea County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Contango Resources, LLC (Contango), has prepared this *Deferral Request* to document assessment, delineation, excavation, and soil sampling activities at the Christmas 28 # 05 (Site). The purpose of the Site assessment and soil sampling activities was to assess the presence or absence of impacts to soil following a release of produced water and crude oil. Based on field observations and soil sample laboratory analytical results, Contango is submitting this *Deferral Request*, describing delineation and excavation activities that have occurred and requesting deferral of final remediation for Incident Number NAPP2407128665 until the Site is reconstructed, and/or the well pad is abandoned.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit K, Section 28, Township 22 South, Range 37 East, in Lea County, New Mexico (32.361986°, -103.170625°) and is associated with oil and gas exploration and production operations on private land.

On March 10, 2024, a well blowout occurred and resulted in the release of approximately 40 barrels (bbls) of produced water and 5 bbls of crude oil onto the surface of the well pad. Vacuum trucks were immediately dispatched to the Site and recovered approximately 40 bbls of produced water and 5 bbls of crude oil. Contango submitted a Release Notification Form C-141 (C-141) on March 11, 2024. The initial Form C-141 Report was approved on March 26, 2024, and was assigned Incident Number NAPP2407128665.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess the applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented below.

Depth to groundwater at the Site is estimated to be between 51 feet and 100 feet below ground surface (bgs) based on the nearest depth to groundwater data. The closest water well, United States Geological Survey (USGS) permit number 322127103102201, located approximately 785 feet west of the Site,

indicated a total well depth of 112 feet bgs, and a depth to water of 60.50 feet bgs, measured most recently on December 31, 2024. Referenced well logs are presented in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a Playa lake, located approximately 5,189 feet east 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 less than 1,000 feet to a freshwater well or spring. The Site 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). Potential 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): 100 mg/kg
- Chloride: 600 mg/kg

SITE ASSESSMENT

On March 18, 2024, and April 1, 2024, Ensolum personnel visited the Site to evaluate the extent of the release, oversee delineation activities based on information provided on the C-141, and document visual observations. Delineation and field screening activities were completed. The release extent area was mapped utilizing a handheld Global Positioning System (GPS) unit and is depicted on Figure 2. Based on field screening results and visible staining, excavation of observed impacted soil appeared to be warranted. Photographic documentation was collected, and a photographic log is included in Appendix B.

EXCAVATION ACTIVITIES

Between June 27, 2024, and February 5, 2025, impacted soil was subsequently excavated from the release area near production equipment and surface pipelines as indicated by visible staining and field screening results from delineation activities. Excavation activities were performed utilizing a backhoe and a transport vehicle to the maximum extent practicable (MEP). To direct soil removal, Ensolum personnel field screened soil for volatile organic compounds (VOCs) and chloride utilizing a calibrated photoionization detector (PID) and Hach® chloride QuanTab® test strips, respectively.

Following the removal of impacted soil, 5-point composite soil samples were collected every 200 square feet from the floor and sidewalls of the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples FS01 through FS63 were collected from the floor of the excavation at depths ranging between 3 feet and 5 feet bgs. Composite soil samples SW01 through SW12 were collected from the sidewalls of the excavation at depths ranging from the ground surface to 5 feet bgs. Confirmation soil sample CS01 was collected at depths of 0.5 feet and 1-foot bgs to define the lateral extent of the release within the area of requested deferral. The soil samples were field screened for VOCs and chloride in the same manner as described above. The sample locations were mapped utilizing a handheld global positioning system (GPS) unit and are depicted on Figure 3. Photographic documentation was collected, and a photographic log is included in Appendix B.

Contango Oilfield Services, LLC
Deferral Request
Christmas 28 #05



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 Cardinal Laboratories (Cardinal) in Hobbs, New Mexico, or Eurofins Laboratories (Eurofins) in Carlsbad, New Mexico for analysis of the following constituents of concern (COC): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following Standard Method SM4500 or EPA 300.0.

The final excavation extent measured approximately 12,200 square feet. A total of approximately 1,800 cubic yards of impacted soil were removed during the excavation activities. The impacted soil was transported and properly disposed of at the R360 Landfill Facility in Hobbs, New Mexico. The release occurred on an active well pad near production equipment and surface pipelines. The estimated area of remaining impacted soil measures approximately 1,475 square feet and, assuming a 5-foot depth based on the excavation soil samples FS47, FS50, and FS54, a total of approximately 277 cubic yards of impacted soil remains in place. The estimated area of remaining impacted soil and is presented on Figure 4.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for excavation floor soil samples FS01A, FS02, FS03A through FS06A, FS07B, FS08B, FS09 through FS22, FS24, FS25A, FS26A, FS27, FS28A through FS30A and FS31 through FS63, collected at depths between 3 feet and 5 feet bgs, indicated all COC concentrations were compliant with Site Closure Criteria. Sidewall soil samples SW01 through SW05 and SW07 through SW12 indicated all COC concentrations were compliant with Site Closure Criteria, successfully defining the lateral extent of the release. Laboratory analytical results for sidewall soil sample SW06 indicated chloride concentrations exceeded Site Closure Criteria. Laboratory analytical results for CS01 indicated all COC concentrations were compliant with Site Closure Criteria, successfully defining the lateral extent of the requested deferral area. Laboratory analytical results are summarized in Table 2 and laboratory analytical reports are included in Appendix C.

DEFERRAL REQUEST

Due to active production equipment, including the pumpjack and concrete footing, and process piping present in the area, the remaining impacted soil along SW06 was not removed, and Contango is requesting deferral of final remediation. The estimated 1,475 square foot area of impacted soil remains in place. A total of approximately 277 cubic yards of impacted soil remains in place, assuming a depth of 5 feet bgs based on laboratory analytical results from excavation soil samples FS50, FS53, and FS54. The impacted soil is limited to the area beneath active production equipment and surface piping where remediation would require major facility deconstruction. The release extent has been vertically delineated by soil samples FS45, FS47, FS50, FS51, FS52, and FS53 collected at 3 feet to 5 feet bgs. The release extent has been laterally delineated by soil sample CS01 excavation sidewall soil samples SW05 and SW07. The proposed deferral area and all delineation and excavation soil samples used to define the deferral area are depicted on Figures 3 and 4.

Contango does not believe deferment will result in imminent risk to human health, the environment, or groundwater. The impacted soil remaining in place is limited in lateral and vertical extent, and the entirety of the release remained on pad. Based on the presence of active production equipment within the release area and the complete lateral and vertical delineation of impacted soil remaining in place, Contango requests deferral of final remediation for Incident Number nAPP2407128665 until final reclamation of the well pad or major construction, whichever comes first.

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

Sincerely,
Ensolum, LLC

A handwritten signature in black ink, appearing to read "Jeremy Reich".

Jeremy Reich
Project Geologist

A handwritten signature in black ink, appearing to read "Daniel R. Moir".

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

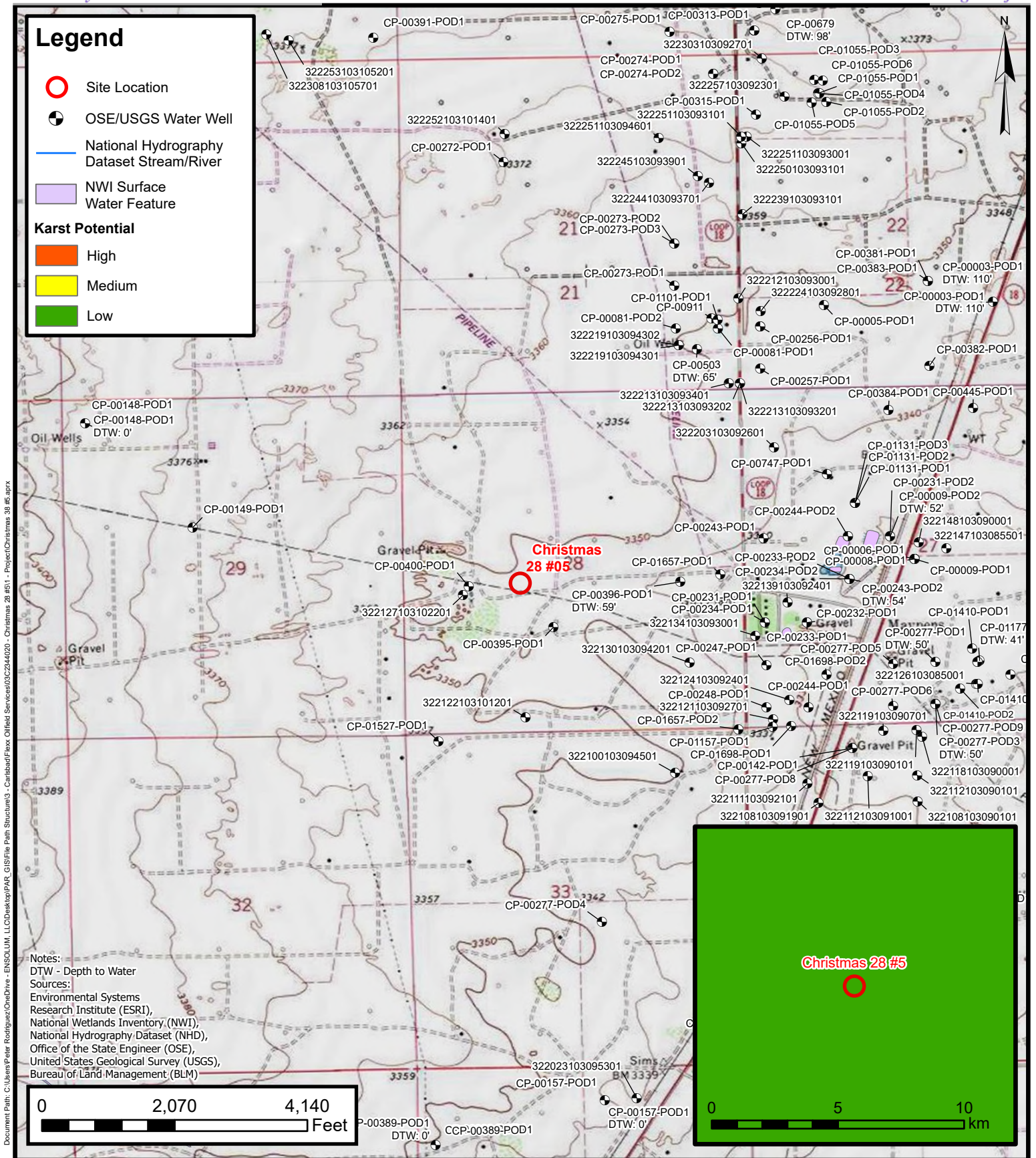
cc: Seth Johnson, Contango Resources

Appendices:

Figure 1	Site Receptor Map
Figure 2	Site Map
Figure 3	Excavation Soil Sample Locations
Figure 4	Requested Deferral Area
Table 1	Soil Sample Analytical Results
Appendix A	Referenced Well Records
Appendix B	Photographic Log
Appendix C	Laboratory Analytical Reports & Chain-of-Custody Documentation



FIGURES



Site Receptor Map

Contango Resources, LLC
Christmas 28 #05

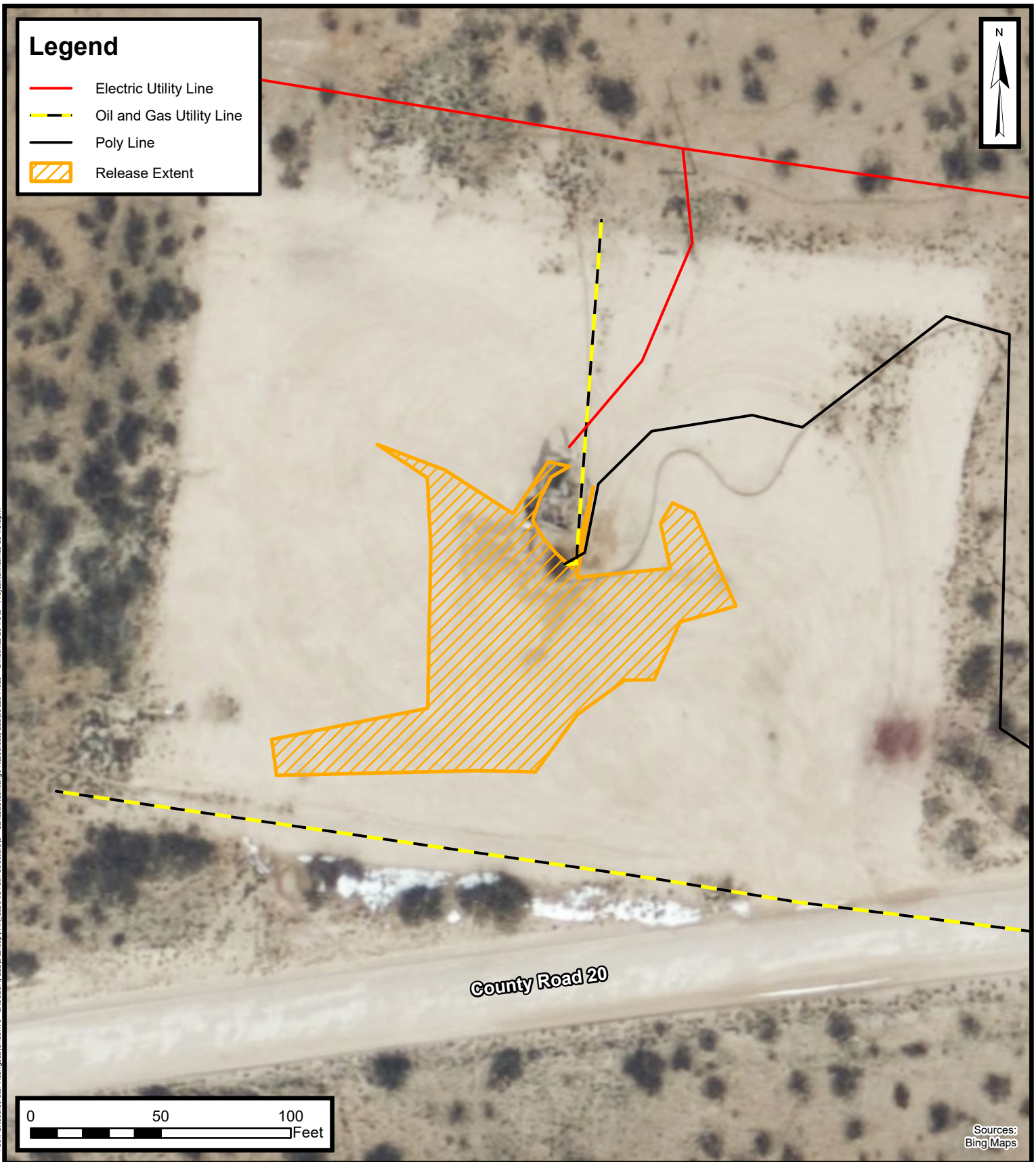
Incident Number: NAPP2407128665
Unit K, Section 28, Township 22 South, Range 37 East
Lea County, New Mexico

FIGURE

1



Path: C:\Users\Peter Rodriguez\OneDrive - ENSOLUM, LLC\Desktop\PAR_GIS\File Path Structure\3 - Cardinal\Contango Resources, LLC\0324\020 - Christmas 28 #511 - Project Christmas 28 #5.aprx



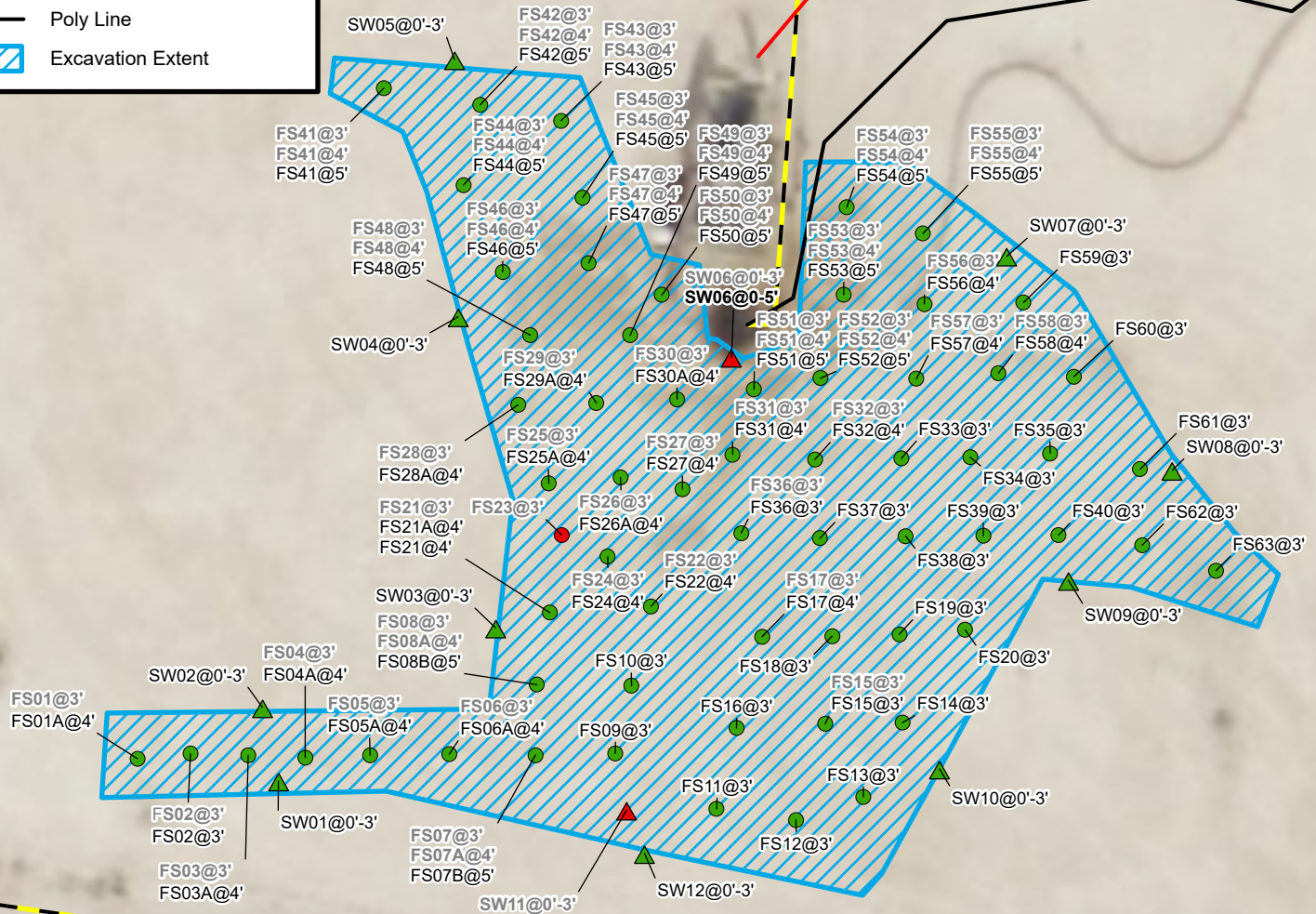
Site Map

Contango Resources, LLC
Christmas 28 #05
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FIGURE
2

Legend

- Floor Sample in Compliance with Closure Criteria
- Floor Sample with Concentrations Exceeding Closure Criteria
- ▲ Sidewall Sample in Compliance with Closure Criteria
- ▲ Sidewall Sample with Concentrations Exceeding Closure Criteria
- Electric Utility Line
- Oil and Gas Utility Line
- Poly Line
- Excavation Extent



Notes:
 Sample ID @ Depth Below Ground Surface
 Concentrations in **bold** exceed the NMOCDC Table I Closure Criteria
 Grey text indicates soil sample removed during excavation activities

0 30 60
 Feet

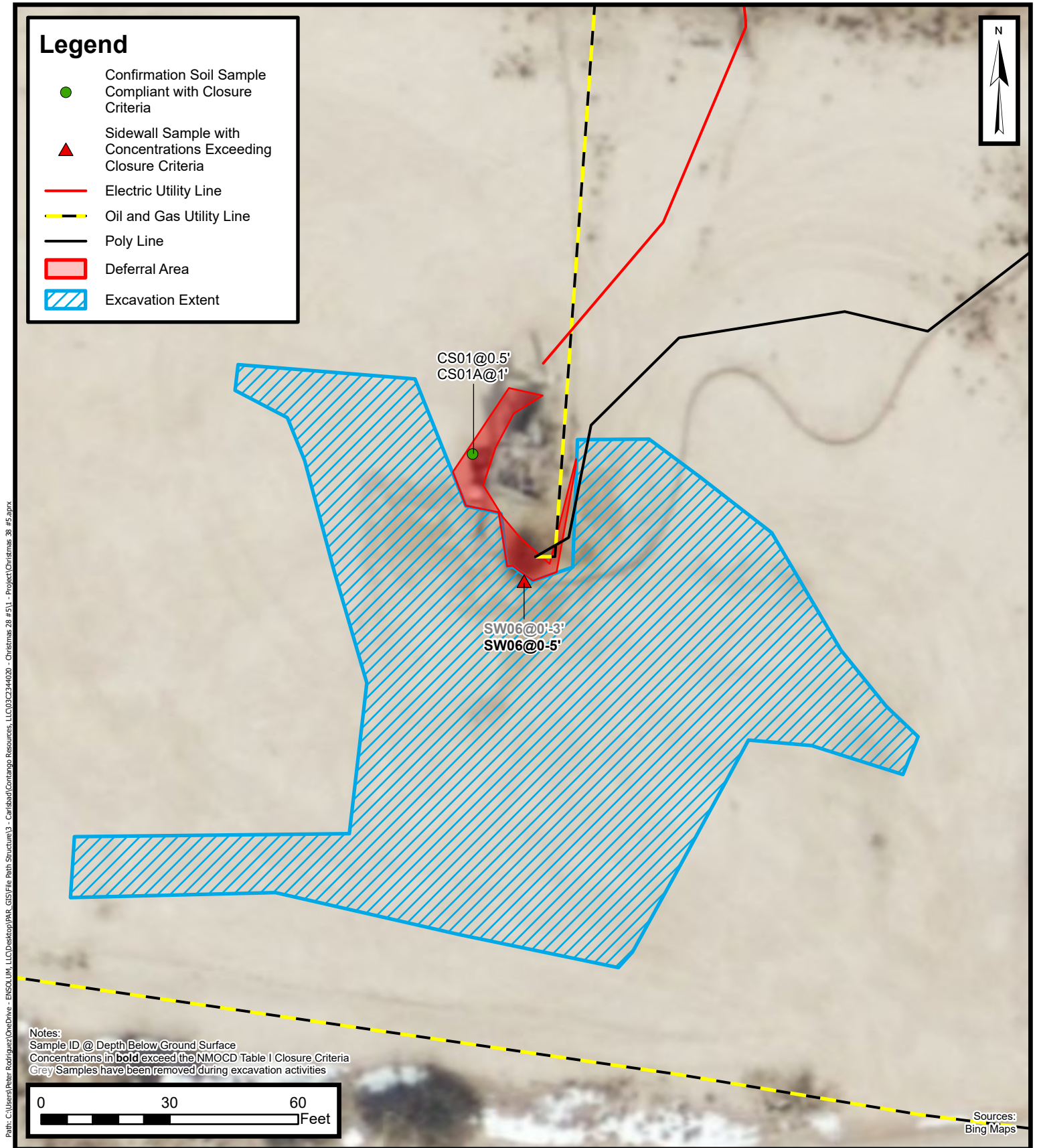
Sources:
 Bing Maps



Excavation Soil Sample Locations

Contango Resources, LLC
 Christmas 28 #05
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 Unit K, Section 28, Township 22 South, Range 37 East
 Lea County, New Mexico

FIGURE
3



Requested Deferral Area

Contango Resources, LLC
Christmas 28 #05
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Unit K, Section 28, Township 22 South, Range 37 East
Lea County, New Mexico

FIGURE
4



TABLES



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Christmas 28 # 05
 Contango Resources, LLC
 Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Excavation Soil Samples										
FS01	06/27/2024	3	<0.00201	<0.00402	<49.7	<49.7	<49.7	<49.7	<49.7	982
FS01A	07/17/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432
FS02	06/27/2024	3	<0.00202	<0.00404	<49.8	<49.8	<49.8	<49.8	<49.8	637
FS02	07/17/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
FS03	06/27/2024	3	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	470
FS03A	07/17/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS04	06/27/2024	3	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	1,040
FS04A	07/17/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
FS05	06/27/2024	3	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	1,140
FS05A	07/17/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
FS06	06/27/2024	3	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	1,080
FS06A	07/17/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
FS07	06/27/2024	3	<0.00202	<0.00404	<49.8	<49.8	<49.8	<49.8	<49.8	1,370
FS07A	07/17/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	944
FS07B	12/12/2024	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
FS08	06/27/2024	3	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	1,760
FS08A	07/17/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,080
FS08B	12/12/2024	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
FS09	06/27/2024	3	<0.00200	<0.00400	<49.6	<49.6	<49.6	<49.6	<49.6	572
FS10	06/27/2024	3	<0.00200	<0.00400	<49.7	<49.7	<49.7	<49.7	<49.7	381
FS11	06/27/2024	3	<0.00202	<0.00404	<49.7	<49.7	<49.7	<49.7	<49.7	457
FS12	06/27/2024	3	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	334
FS13	06/27/2024	3	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	339
FS14	06/27/2024	3	<0.00202	<0.00403	<49.8	<49.8	<49.8	<49.8	<49.8	312
FS15	06/27/2024	3	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	619
FS15	07/17/2024	3	<0.050	<0.300	<10.0	26.1	<10.0	26.1	26.1	32.0
FS16	06/27/2024	3	<0.00200	<0.00400	<49.7	<49.7	<49.7	<49.7	<49.7	595
FS17	06/27/2024	3	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	1,470
FS17	01/07/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0



TABLE 1
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Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
FS18	06/27/2024	3	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	355
FS19	06/27/2024	3	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	286
FS20	06/27/2024	3	<0.00200	<0.00401	<49.6	<49.6	<49.6	<49.6	<49.6	216
FS21	06/27/2024	3	<0.00201	<0.00402	<49.7	<49.7	<49.7	<49.7	<49.7	1,930
FS21A	12/12/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
FS21	01/07/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
FS22	06/27/2024	3	<0.00202	<0.00404	<49.8	<49.8	<49.8	<49.8	<49.8	1,560
FS22	01/07/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
FS23	06/27/2024	3	<0.00200	<0.00399	<49.7	<49.7	<49.7	<49.7	<49.7	2,650
FS24	06/27/2024	3	<0.00200	<0.00400	<49.8	<49.8	<49.8	<49.8	<49.8	1,570
FS24	01/07/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
FS25	06/27/2024	3	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	2,610
FS25A	12/12/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
FS26	06/27/2024	3	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	2,560
FS26A	12/12/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
FS27	06/27/2024	3	<0.00202	<0.00404	<49.7	<49.7	<49.7	<49.7	<49.7	2,620
FS27	01/07/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
FS28	06/27/2024	3	<0.00201	<0.00402	<49.7	<49.7	<49.7	<49.7	<49.7	5,270
FS28A	12/12/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
FS29	06/27/2024	3	<0.00200	<0.00400	<50.0	112	<50.0	112	112	3,930
FS29A	12/12/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
FS30	06/27/2024	3	<0.00201	<0.00402	<49.8	196	<49.8	196	196	4,380
FS30A	12/12/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
FS31	06/27/2024	3	<0.00200	<0.00399	<49.9	84.6	<49.9	84.6	84.6	2,970
FS31	01/07/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
FS32	06/27/2024	3	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	1,410
FS32	01/07/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
FS33	06/27/2024	3	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	457
FS34	06/27/2024	3	<0.00200	<0.00400	<49.6	<49.6	<49.6	<49.6	<49.6	267
FS35	06/27/2024	3	<0.00201	<0.00402	<49.7	<49.7	<49.7	<49.7	<49.7	162
FS36	06/27/2024	3	<0.00202	<0.00404	<49.7	<49.7	<49.7	<49.7	<49.7	1,860



TABLE 1
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Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
FS36	07/18/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS37	06/27/2024	3	<0.00200	<0.00400	<49.8	<49.8	<49.8	<49.8	<49.8	327
FS38	06/27/2024	3	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	205
FS39	06/27/2024	3	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	262
FS40	06/27/2024	3	<0.00200	<0.00400	<49.8	<49.8	<49.8	<49.8	<49.8	178
FS41	06/27/2024	3	<0.00201	<0.00402	<49.7	<49.7	<49.7	<49.7	<49.7	4,720
FS41	07/18/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	848
FS41	01/07/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS42	06/27/2024	3	<0.00202	<0.00404	<49.8	441	<49.8	441	441	3,790
FS42	07/18/2024	4	<0.050	<0.300	<10.0	2740	869	2740	3609	1,710
FS42	01/07/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS43	06/27/2024	3	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	2,960
FS43	07/18/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,370
FS43	01/07/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS44	06/27/2024	3	<0.00199	<0.00398	<49.8	56.4	<49.8	56.4	56.4	3,890
FS44	07/18/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,000
FS44	01/07/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
FS45	06/27/2024	3	<0.00200	<0.00400	<49.9	54.5	<49.9	54.5	54.5	4,090
FS45	07/18/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,360
FS45	01/07/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS46	06/27/2024	3	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	3,350
FS46	07/18/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,600
FS46	01/07/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
FS47	06/27/2024	3	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	3,030
FS47	07/18/2024	4	<0.050	<0.300	<10.0	28.3	<10.0	28.3	28.3	3,920
FS47	01/07/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS48	06/27/2024	3	<0.00202	<0.00404	<49.6	<49.6	<49.6	<49.6	<49.6	6,600
FS48	07/18/2024	4	<0.050	<0.300	<10.0	31.5	<10.0	31.5	31.5	3,040
FS48	01/07/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS49	06/27/2024	3	<0.00199	<0.00398	<49.7	68.00	<49.7	68.00	68.0	4,030
FS49	07/18/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,440



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Christmas 28 # 05
 Contango Resources, LLC
 Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
FS49	01/07/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
FS50	06/27/2024	3	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	<49.7	4,760
FS50	07/18/2024	4	<0.050	<0.300	<10.0	34.6	<10.0	34.6	34.6	2,480
FS50	01/07/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
FS51	06/27/2024	3	<0.00198	<0.00397	<49.8	<49.8	<49.8	<49.8	<49.8	1,990
FS51	07/18/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,960
FS51	01/07/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
FS52	06/27/2024	3	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	4,130
FS52	07/18/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	896
FS52	01/07/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
FS53	06/27/2024	3	<0.00200	<0.00400	<49.6	<49.6	<49.6	<49.6	<49.6	2,760
FS53	07/18/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8,160
FS53	01/07/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
FS54	06/27/2024	3	<0.00200	<0.00399	<49.7	<49.7	<49.7	<49.7	<49.7	4,090
FS54	07/18/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,300
FS54	01/07/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
FS55	06/27/2024	3	<0.00202	<0.00404	<49.8	<49.8	<49.8	<49.8	<49.8	1,330
FS55	07/18/2024	4	<0.050	<0.300	<10.0	14.6	<10.0	14.6	14.6	752
FS55	01/07/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
FS56	06/27/2024	3	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	1,640
FS56	07/18/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
FS57	06/27/2024	3	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	725
FS57	07/18/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
FS58	06/27/2024	3	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	701
FS58	07/18/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
FS59	06/27/2024	3	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	<49.7	360
FS60	06/27/2024	3	<0.00202	<0.00404	<49.7	<49.7	<49.7	<49.7	<49.7	206
FS61	06/27/2024	3	<0.00200	<0.00399	<49.7	<49.7	<49.7	<49.7	<49.7	145
FS62	06/27/2024	3	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	<49.9	294
FS63	06/27/2024	3	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	55.5
CS01	02/05/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	560



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Christmas 28 # 05
Contango Resources, LLC
Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
CS01A	02/05/2025	1	<0.050	<0.300	<10.0	18.2	<10.0	18.2	18.2	304
Sidewall Soil Samples										
SW01	06/27/2024	0-3	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	232
SW02	06/27/2024	0-3	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	68.0
SW03	06/27/2024	0-3	<0.00202	<0.00404	<49.7	<49.7	<49.7	<49.7	<49.7	42.5
SW04	06/27/2024	0-3	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	<50.0	101
SW05	06/27/2024	0-3	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	316
SW06	06/27/2024	0-3	<0.00200	<0.00400	<49.8	<49.8	<49.8	<49.8	<49.8	18,000
SW06	01/07/2025	0-5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	9,040
SW07	06/27/2024	0-3	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	149
SW08	06/27/2024	0-3	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	69.5
SW09	06/27/2024	0-3	<0.00200	<0.00400	<49.6	<49.6	<49.6	<49.6	<49.6	100
SW10	06/27/2024	0-3	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	342
SW11	06/27/2024	0-3	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	766
SW12	07/17/2024	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation requirement where applicable.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NMAC: New Mexico Administrative Code

~~Grey~~ text indicates soil sample removed during excavation activities



APPENDIX A

Referenced Well Records



USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

Click to hideNews Bulletins

- Explore the NEW [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.

Groundwater levels for the Nation

i Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 322127103102201

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 322127103102201 22S.37E.28.31243 509

Lea County, New Mexico
Latitude 32°21'41", Longitude 103°10'23" NAD27
Land-surface elevation 3,342.50 feet above NGVD29
The depth of the well is 112 feet below land surface.
This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1965-10-22			D 62610		3281.30	NGVD29	1		Z	
1965-10-22			D 62611		3282.69	NAVD88	1		Z	
1965-10-22			D 72019	61.20			1		Z	
1970-12-01			D 62610		3280.86	NGVD29	P		Z	
1970-12-01			D 62611		3282.25	NAVD88	P		Z	
1970-12-01			D 72019	61.64			P		Z	
1976-01-20			D 62610		3280.03	NGVD29	1		Z	
1976-01-20			D 62611		3281.42	NAVD88	1		Z	
1976-01-20			D 72019	62.47			1		Z	
1986-03-04			D 62610		3280.07	NGVD29	1		Z	
1986-03-04			D 62611		3281.46	NAVD88	1		Z	
1986-03-04			D 72019	62.43			1		Z	
1991-04-26			D 62610		3277.50	NGVD29	P		Z	
1991-04-26			D 62611		3278.89	NAVD88	P		Z	
1991-04-26			D 72019	65.00			P		Z	
1996-03-13			D 62610		3281.08	NGVD29	1		S	
1996-03-13			D 62611		3282.47	NAVD88	1		S	

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1996-03-13			D	72019	61.42			1	S	
2001-02-07			D	62610	3277.66	NGVD29	1	S		
2001-02-07			D	62611	3279.05	NAVD88	1	S		
2001-02-07			D	72019	64.84		1	S		
2006-02-22			D	62610	3281.32	NGVD29	1	S	USGS	
2006-02-22			D	62611	3282.71	NAVD88	1	S	USGS	
2006-02-22			D	72019	61.18		1	S	USGS	
2010-12-16	18:00 UTC		m	62610	3280.03	NGVD29	1	S	USGS	
2010-12-16	18:00 UTC		m	62611	3281.42	NAVD88	1	S	USGS	
2010-12-16	18:00 UTC		m	72019	62.47		1	S	USGS	
2016-01-06	18:48 UTC		m	62610	3281.90	NGVD29	1	S	USGS	
2016-01-06	18:48 UTC		m	62611	3283.29	NAVD88	1	S	USGS	
2016-01-06	18:48 UTC		m	72019	60.60		1	S	USGS	
2022-01-25	20:23 UTC		m	62610	3281.68	NGVD29	P	S	USGS	
2022-01-25	20:23 UTC		m	62611	3283.07	NAVD88	P	S	USGS	
2022-01-25	20:23 UTC		m	72019	60.82		P	S	USGS	
2023-02-09	19:24 UTC		m	62610	3282.04	NGVD29	1	S	USGS	
2023-02-09	19:24 UTC		m	62611	3283.43	NAVD88	1	S	USGS	
2023-02-09	19:24 UTC		m	72019	60.46		1	S	USGS	
2024-02-01	19:13 UTC		m	62610	3282.12	NGVD29	1	S	USGS	
2024-02-01	19:13 UTC		m	62611	3283.51	NAVD88	1	S	USGS	
2024-02-01	19:13 UTC		m	72019	60.38		1	S	USGS	
2024-12-31	15:58 UTC		m	62610	3282.00	NGVD29	1	S	USGS	
2024-12-31	15:58 UTC		m	62611	3283.39	NAVD88	1	S	USGS	
2024-12-31	15:58 UTC		m	72019	60.50		1	S	USGS	

Explanation

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

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[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

Title: Groundwater for USA: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>



Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2025-03-07 11:10:32 EST

0.4 0.31 nadww01



APPENDIX B

Photographic Log



Photographic Log
 Contango Resources, LLC
 Christmas 28 #05
 Lea County, NM



Photograph: 1 Date: 12/12/2024
 Description: Excavation activities area of SW06
 View: South



Photograph: 2 Date: 12/12/2024
 Description: Excavation (FS53-FS59, SW07, SW06)
 View: West



Photograph: 3 Date: 1/7/2025
 Description: Soil sampling (FS43, FS42, FS41, FS44)
 View: West



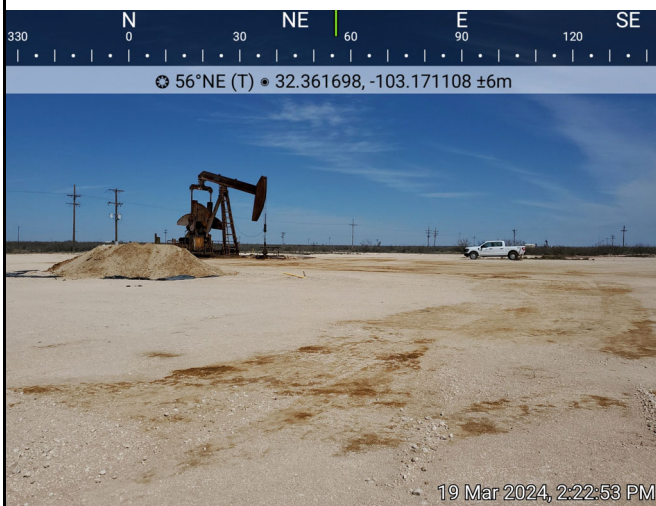
Photograph: 4 Date: 1/7/2025
 Description: Area of FS23, FS 24, FS 26
 View: Southeast



Photographic Log
 Contango Resources, LLC
 Christmas 28 #05
 Lea County, NM



Photograph: 1 Date: 3/19/2024
 Description: Soil staining in release footprint
 View: East / Southeast



Photograph: 2 Date: 3/19/2024
 Description: Soil staining in release footprint
 View: Northeast



Photograph: 3 Date: 7/18/2024
 Description: Excavation activities
 View: Northwest



Photograph: 4 Date: 7/18/2024
 Description: Excavation Activities
 View: North



APPENDIX C

Laboratory Analytical Reports & Chain of Custody Documentation



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Tacoma Morrissey
Ensolum
601 N. Marienfeld St.
Suite 400
Midland, Texas 79701

Generated 7/10/2024 11:04:49 AM Revision 1

JOB DESCRIPTION

Christmas 28 #05
03C2344020

JOB NUMBER

890-6878-1

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



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

Generated
7/10/2024 11:04:49 AM
Revision 1

Client: Ensolum
Project/Site: Christmas 28 #05

Laboratory Job ID: 890-6878-1
SDG: 03C2344020

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Definitions/Glossary

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
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
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
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
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)

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Definitions/Glossary

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Glossary (Continued)

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

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

Case Narrative

Client: Ensolum
Project: Christmas 28 #05

Job ID: 890-6878-1

Job ID: 890-6878-1

Eurofins Carlsbad

Job Narrative
890-6878-1REVISION

The report being provided is a revision of the original report sent on 7/9/2024. The report (revision 1) is being revised due to Per client email, requesting chloride re runs..

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 7/2/2024 3:56 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.8°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: FS-1 (890-6878-1), FS-2 (890-6878-2), FS-3 (890-6878-3), FS-4 (890-6878-4), FS-5 (890-6878-5), FS-6 (890-6878-6), FS-7 (890-6878-7), FS-8 (890-6878-8), FS-9 (890-6878-9), FS-10 (890-6878-10), FS-11 (890-6878-11), FS-12 (890-6878-12), FS-13 (890-6878-13), FS-14 (890-6878-14), FS-15 (890-6878-15), FS-16 (890-6878-16), FS-17 (890-6878-17), FS-18 (890-6878-18), FS-19 (890-6878-19), FS-20 (890-6878-20), FS-21 (890-6878-21), FS-22 (890-6878-22), FS-23 (890-6878-23), FS-24 (890-6878-24), FS-25 (890-6878-25), FS-26 (890-6878-26), FS-27 (890-6878-27), FS-28 (890-6878-28), FS-29 (890-6878-29), FS-30 (890-6878-30), FS-31 (890-6878-31), FS-32 (890-6878-32), FS-33 (890-6878-33), FS-34 (890-6878-34), FS-35 (890-6878-35), FS-36 (890-6878-36), FS-37 (890-6878-37), FS-38 (890-6878-38), FS-39 (890-6878-39), FS-40 (890-6878-40), FS-41 (890-6878-41), FS-42 (890-6878-42), FS-43 (890-6878-43), FS-44 (890-6878-44), FS-45 (890-6878-45), FS-46 (890-6878-46), FS-47 (890-6878-47), FS-48 (890-6878-48), FS-49 (890-6878-49), FS-50 (890-6878-50), FS-51 (890-6878-51), FS-52 (890-6878-52), FS-53 (890-6878-53), FS-54 (890-6878-54), FS-55 (890-6878-55), FS-56 (890-6878-56), FS-57 (890-6878-57), FS-58 (890-6878-58), FS-59 (890-6878-59), FS-60 (890-6878-60), SW-1 (890-6878-61), SW-2 (890-6878-62), SW-3 (890-6878-63), SW-4 (890-6878-64), SW-5 (890-6878-65), SW-6 (890-6878-66), SW-7 (890-6878-67), SW-8 (890-6878-68), SW-9 (890-6878-69), SW-10 (890-6878-70), FS-61 (890-6878-71), FS-62 (890-6878-72), FS-63 (890-6878-73) and SW-11 (890-6878-74).

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: (MB 880-84953/5-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following sample was outside the upper control limit: FS-37 (890-6878-37). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (MB 880-84957/5-A). Evidence of matrix interferences is not obvious.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-84957 and analytical batch 880-84940 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 8021B: Surrogate recovery for the following sample was outside control limits: SW-11 (890-6878-74). Evidence of matrix interferences is not obvious.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-84945 and analytical batch 880-84941

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Case Narrative

Client: Ensolum
Project: Christmas 28 #05

Job ID: 890-6878-1

Job ID: 890-6878-1 (Continued)

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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.

Diesel Range Organics

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-84959 and analytical batch 880-84995 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: FS-53 (890-6878-53), FS-54 (890-6878-54), FS-56 (890-6878-56), FS-57 (890-6878-57) and FS-60 (890-6878-60). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The method blank for preparation batch 880-84917 and analytical batch 880-84998 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-84917 and analytical batch 880-84998 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-84913/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: FS-34 (890-6878-34), FS-36 (890-6878-36), FS-39 (890-6878-39), FS-40 (890-6878-40), FS-41 (890-6878-41), FS-42 (890-6878-42), FS-43 (890-6878-43), FS-44 (890-6878-44), (LCS 880-84916/2-A) and (880-45584-A-8-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-84913 and 880-84916 and analytical batch 880-85001 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: FS-18 (890-6878-18) and FS-19 (890-6878-19). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-84914 and analytical batch 880-85003 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 - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-85013 and analytical batch 880-85087 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 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-85010 and analytical batch 880-85088 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 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-85090 and analytical batch 880-85128 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.

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Case Narrative

Client: Ensolum
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Job ID: 890-6878-1

Job ID: 890-6878-1 (Continued) Eurofins Carlsbad

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-85011 and analytical batch 880-85119 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 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-85009 and analytical batch 880-85122 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-1

Lab Sample ID: 890-6878-1

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:20	07/03/24 12:59	1
Toluene	<0.00201	U	0.00201	mg/Kg		07/03/24 10:20	07/03/24 12:59	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		07/03/24 10:20	07/03/24 12:59	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		07/03/24 10:20	07/03/24 12:59	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		07/03/24 10:20	07/03/24 12:59	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		07/03/24 10:20	07/03/24 12:59	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	07/03/24 10:20	07/03/24 12:59	1
1,4-Difluorobenzene (Surr)	87		70 - 130	07/03/24 10:20	07/03/24 12:59	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			07/03/24 12:59	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			07/05/24 18:51	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		07/02/24 20:26	07/05/24 18:51	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		07/02/24 20:26	07/05/24 18:51	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		07/02/24 20:26	07/05/24 18:51	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	07/02/24 20:26	07/05/24 18:51	1
o-Terphenyl	105		70 - 130	07/02/24 20:26	07/05/24 18:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	982		24.9	mg/Kg			07/06/24 02:40	5

Client Sample ID: FS-2

Lab Sample ID: 890-6878-2

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:20	07/03/24 13:19	1
Toluene	<0.00202	U	0.00202	mg/Kg		07/03/24 10:20	07/03/24 13:19	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		07/03/24 10:20	07/03/24 13:19	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		07/03/24 10:20	07/03/24 13:19	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		07/03/24 10:20	07/03/24 13:19	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		07/03/24 10:20	07/03/24 13:19	1

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-2

Lab Sample ID: 890-6878-2

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	07/03/24 10:20	07/03/24 13:19	1
1,4-Difluorobenzene (Surr)	91		70 - 130	07/03/24 10:20	07/03/24 13:19	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			07/03/24 13:19	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			07/05/24 19:11	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	<49.8	U	49.8	mg/Kg		07/02/24 20:26	07/05/24 19:11	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		07/02/24 20:26	07/05/24 19:11	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/02/24 20:26	07/05/24 19:11	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	07/02/24 20:26	07/05/24 19:11	1
o-Terphenyl	115		70 - 130	07/02/24 20:26	07/05/24 19:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	623		25.1	mg/Kg			07/06/24 02:45	5

Client Sample ID: FS-3

Lab Sample ID: 890-6878-3

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:20	07/03/24 13:40	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:20	07/03/24 13:40	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:20	07/03/24 13:40	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		07/03/24 10:20	07/03/24 13:40	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:20	07/03/24 13:40	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		07/03/24 10:20	07/03/24 13:40	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	07/03/24 10:20	07/03/24 13:40	1
1,4-Difluorobenzene (Surr)	84		70 - 130	07/03/24 10:20	07/03/24 13:40	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			07/03/24 13:40	1

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-3

Lab Sample ID: 890-6878-3

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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			07/05/24 19:32	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		07/02/24 20:26	07/05/24 19:32	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		07/02/24 20:26	07/05/24 19:32	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/02/24 20:26	07/05/24 19:32	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	07/02/24 20:26	07/05/24 19:32	1
o-Terphenyl	122		70 - 130	07/02/24 20:26	07/05/24 19:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	470		4.95	mg/Kg			07/09/24 13:04	1

Client Sample ID: FS-4

Lab Sample ID: 890-6878-4

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:20	07/03/24 14:00	1
Toluene	<0.00199	U	0.00199	mg/Kg		07/03/24 10:20	07/03/24 14:00	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		07/03/24 10:20	07/03/24 14:00	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		07/03/24 10:20	07/03/24 14:00	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/03/24 10:20	07/03/24 14:00	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/03/24 10:20	07/03/24 14:00	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130	07/03/24 10:20	07/03/24 14:00	1
1,4-Difluorobenzene (Surr)	77		70 - 130	07/03/24 10:20	07/03/24 14:00	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			07/03/24 14:00	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			07/05/24 19:53	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	<49.8	U	49.8	mg/Kg		07/02/24 20:26	07/05/24 19:53	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		07/02/24 20:26	07/05/24 19:53	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/02/24 20:26	07/05/24 19:53	1

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-4

Lab Sample ID: 890-6878-4

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	07/02/24 20:26	07/05/24 19:53	1
o-Terphenyl	106		70 - 130	07/02/24 20:26	07/05/24 19:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1040		4.98	mg/Kg			07/06/24 02:56	1

Client Sample ID: FS-5

Lab Sample ID: 890-6878-5

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:20	07/03/24 14:21	1
Toluene	<0.00199	U	0.00199	mg/Kg		07/03/24 10:20	07/03/24 14:21	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		07/03/24 10:20	07/03/24 14:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		07/03/24 10:20	07/03/24 14:21	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/03/24 10:20	07/03/24 14:21	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/03/24 10:20	07/03/24 14:21	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	07/03/24 10:20	07/03/24 14:21	1
1,4-Difluorobenzene (Surr)	90		70 - 130	07/03/24 10:20	07/03/24 14:21	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			07/03/24 14:21	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			07/05/24 10:56	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	<49.8	U F2	49.8	mg/Kg		07/02/24 20:29	07/05/24 10:56	1
Diesel Range Organics (Over C10-C28)	<49.8	U F1	49.8	mg/Kg		07/02/24 20:29	07/05/24 10:56	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/02/24 20:29	07/05/24 10:56	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	07/02/24 20:29	07/05/24 10:56	1
o-Terphenyl	109		70 - 130	07/02/24 20:29	07/05/24 10:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1140		5.04	mg/Kg			07/06/24 03:01	1

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-6

Lab Sample ID: 890-6878-6

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:20	07/03/24 14:42	1
Toluene	<0.00201	U	0.00201	mg/Kg		07/03/24 10:20	07/03/24 14:42	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		07/03/24 10:20	07/03/24 14:42	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		07/03/24 10:20	07/03/24 14:42	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		07/03/24 10:20	07/03/24 14:42	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		07/03/24 10:20	07/03/24 14:42	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130	07/03/24 10:20	07/03/24 14:42	1
1,4-Difluorobenzene (Surr)	87		70 - 130	07/03/24 10:20	07/03/24 14:42	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			07/03/24 14:42	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			07/05/24 11:57	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	<49.9	U	49.9	mg/Kg		07/02/24 20:29	07/05/24 11:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		07/02/24 20:29	07/05/24 11:57	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		07/02/24 20:29	07/05/24 11:57	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130	07/02/24 20:29	07/05/24 11:57	1
o-Terphenyl	97		70 - 130	07/02/24 20:29	07/05/24 11:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1080		4.98	mg/Kg			07/08/24 14:06	1

Client Sample ID: FS-7

Lab Sample ID: 890-6878-7

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:20	07/03/24 15:02	1
Toluene	<0.00202	U	0.00202	mg/Kg		07/03/24 10:20	07/03/24 15:02	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		07/03/24 10:20	07/03/24 15:02	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		07/03/24 10:20	07/03/24 15:02	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		07/03/24 10:20	07/03/24 15:02	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		07/03/24 10:20	07/03/24 15:02	1

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-7

Lab Sample ID: 890-6878-7

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	07/03/24 10:20	07/03/24 15:02	1
1,4-Difluorobenzene (Surr)	83		70 - 130	07/03/24 10:20	07/03/24 15:02	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			07/03/24 15:02	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			07/05/24 12:17	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		07/02/24 20:29	07/05/24 12:17	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		07/02/24 20:29	07/05/24 12:17	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/02/24 20:29	07/05/24 12:17	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	07/02/24 20:29	07/05/24 12:17	1
o-Terphenyl	101		70 - 130	07/02/24 20:29	07/05/24 12:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1370		25.0	mg/Kg			07/08/24 14:29	5

Client Sample ID: FS-8

Lab Sample ID: 890-6878-8

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:20	07/03/24 15:23	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:20	07/03/24 15:23	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:20	07/03/24 15:23	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		07/03/24 10:20	07/03/24 15:23	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:20	07/03/24 15:23	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		07/03/24 10:20	07/03/24 15:23	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	07/03/24 10:20	07/03/24 15:23	1
1,4-Difluorobenzene (Surr)	85		70 - 130	07/03/24 10:20	07/03/24 15:23	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			07/03/24 15:23	1

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-8

Lab Sample ID: 890-6878-8

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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			07/05/24 12:37	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		07/02/24 20:29	07/05/24 12:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/02/24 20:29	07/05/24 12:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/02/24 20:29	07/05/24 12:37	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	07/02/24 20:29	07/05/24 12:37	1
o-Terphenyl	108		70 - 130	07/02/24 20:29	07/05/24 12:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1760		25.0	mg/Kg			07/08/24 14:36	5

Client Sample ID: FS-9

Lab Sample ID: 890-6878-9

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:20	07/03/24 15:44	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:20	07/03/24 15:44	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:20	07/03/24 15:44	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		07/03/24 10:20	07/03/24 15:44	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:20	07/03/24 15:44	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/03/24 10:20	07/03/24 15:44	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	07/03/24 10:20	07/03/24 15:44	1
1,4-Difluorobenzene (Surr)	83		70 - 130	07/03/24 10:20	07/03/24 15:44	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			07/03/24 15:44	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			07/05/24 12:57	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6	mg/Kg		07/02/24 20:29	07/05/24 12:57	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		07/02/24 20:29	07/05/24 12:57	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		07/02/24 20:29	07/05/24 12:57	1

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-9

Lab Sample ID: 890-6878-9

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	07/02/24 20:29	07/05/24 12:57	1
o-Terphenyl	105		70 - 130	07/02/24 20:29	07/05/24 12:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	572		4.99	mg/Kg			07/08/24 14:43	1

Client Sample ID: FS-10

Lab Sample ID: 890-6878-10

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:20	07/03/24 16:04	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:20	07/03/24 16:04	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:20	07/03/24 16:04	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		07/03/24 10:20	07/03/24 16:04	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:20	07/03/24 16:04	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/03/24 10:20	07/03/24 16:04	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	07/03/24 10:20	07/03/24 16:04	1
1,4-Difluorobenzene (Surr)	87		70 - 130	07/03/24 10:20	07/03/24 16:04	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			07/03/24 16:04	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			07/05/24 13:18	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	<49.7	U	49.7	mg/Kg		07/02/24 20:29	07/05/24 13:18	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		07/02/24 20:29	07/05/24 13:18	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		07/02/24 20:29	07/05/24 13:18	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130	07/02/24 20:29	07/05/24 13:18	1
o-Terphenyl	96		70 - 130	07/02/24 20:29	07/05/24 13:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	381		5.02	mg/Kg			07/08/24 14:50	1

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-11

Lab Sample ID: 890-6878-11

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:20	07/03/24 17:30	1
Toluene	<0.00202	U	0.00202	mg/Kg		07/03/24 10:20	07/03/24 17:30	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		07/03/24 10:20	07/03/24 17:30	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		07/03/24 10:20	07/03/24 17:30	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		07/03/24 10:20	07/03/24 17:30	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		07/03/24 10:20	07/03/24 17:30	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130	07/03/24 10:20	07/03/24 17:30	1
1,4-Difluorobenzene (Surr)	85		70 - 130	07/03/24 10:20	07/03/24 17:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			07/03/24 17:30	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	mg/Kg			07/05/24 13:38	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		07/02/24 20:29	07/05/24 13:38	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		07/02/24 20:29	07/05/24 13:38	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		07/02/24 20:29	07/05/24 13:38	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	07/02/24 20:29	07/05/24 13:38	1
o-Terphenyl	97		70 - 130	07/02/24 20:29	07/05/24 13:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	457		5.03	mg/Kg			07/08/24 15:13	1

Client Sample ID: FS-12

Lab Sample ID: 890-6878-12

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:20	07/03/24 17:50	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:20	07/03/24 17:50	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:20	07/03/24 17:50	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		07/03/24 10:20	07/03/24 17:50	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:20	07/03/24 17:50	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		07/03/24 10:20	07/03/24 17:50	1

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-12

Lab Sample ID: 890-6878-12

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130	07/03/24 10:20	07/03/24 17:50	1
1,4-Difluorobenzene (Surr)	87		70 - 130	07/03/24 10:20	07/03/24 17:50	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			07/03/24 17:50	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			07/05/24 13:58	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		07/02/24 20:29	07/05/24 13:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/02/24 20:29	07/05/24 13:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/02/24 20:29	07/05/24 13:58	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	07/02/24 20:29	07/05/24 13:58	1
o-Terphenyl	122		70 - 130	07/02/24 20:29	07/05/24 13:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	334		5.00	mg/Kg			07/08/24 15:20	1

Client Sample ID: FS-13

Lab Sample ID: 890-6878-13

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:20	07/03/24 18:11	1
Toluene	<0.00199	U	0.00199	mg/Kg		07/03/24 10:20	07/03/24 18:11	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		07/03/24 10:20	07/03/24 18:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		07/03/24 10:20	07/03/24 18:11	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/03/24 10:20	07/03/24 18:11	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/03/24 10:20	07/03/24 18:11	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130	07/03/24 10:20	07/03/24 18:11	1
1,4-Difluorobenzene (Surr)	83		70 - 130	07/03/24 10:20	07/03/24 18:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			07/03/24 18:11	1

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-13

Lab Sample ID: 890-6878-13

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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			07/05/24 14:19	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	<50.0	U	50.0	mg/Kg		07/02/24 20:29	07/05/24 14:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/02/24 20:29	07/05/24 14:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/02/24 20:29	07/05/24 14:19	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130	07/02/24 20:29	07/05/24 14:19	1
o-Terphenyl	95		70 - 130	07/02/24 20:29	07/05/24 14:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	339		5.02	mg/Kg			07/08/24 15:27	1

Client Sample ID: FS-14

Lab Sample ID: 890-6878-14

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:20	07/03/24 18:32	1
Toluene	<0.00202	U	0.00202	mg/Kg		07/03/24 10:20	07/03/24 18:32	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		07/03/24 10:20	07/03/24 18:32	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		07/03/24 10:20	07/03/24 18:32	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		07/03/24 10:20	07/03/24 18:32	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		07/03/24 10:20	07/03/24 18:32	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	73		70 - 130	07/03/24 10:20	07/03/24 18:32	1
1,4-Difluorobenzene (Surr)	82		70 - 130	07/03/24 10:20	07/03/24 18:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			07/03/24 18:32	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			07/05/24 14:39	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	<49.8	U	49.8	mg/Kg		07/02/24 20:29	07/05/24 14:39	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		07/02/24 20:29	07/05/24 14:39	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/02/24 20:29	07/05/24 14:39	1

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-14

Lab Sample ID: 890-6878-14

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	07/02/24 20:29	07/05/24 14:39	1
o-Terphenyl	98		70 - 130	07/02/24 20:29	07/05/24 14:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	312		5.01	mg/Kg			07/08/24 15:35	1

Client Sample ID: FS-15

Lab Sample ID: 890-6878-15

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:20	07/03/24 18:52	1
Toluene	<0.00201	U	0.00201	mg/Kg		07/03/24 10:20	07/03/24 18:52	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		07/03/24 10:20	07/03/24 18:52	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		07/03/24 10:20	07/03/24 18:52	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		07/03/24 10:20	07/03/24 18:52	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		07/03/24 10:20	07/03/24 18:52	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	07/03/24 10:20	07/03/24 18:52	1
1,4-Difluorobenzene (Surr)	81		70 - 130	07/03/24 10:20	07/03/24 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			07/03/24 18:52	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			07/05/24 16:49	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		07/02/24 20:29	07/05/24 16:49	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		07/02/24 20:29	07/05/24 16:49	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/02/24 20:29	07/05/24 16:49	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	07/02/24 20:29	07/05/24 16:49	1
o-Terphenyl	118		70 - 130	07/02/24 20:29	07/05/24 16:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	619		5.04	mg/Kg			07/09/24 13:11	1

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-16

Lab Sample ID: 890-6878-16

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:20	07/03/24 19:13	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:20	07/03/24 19:13	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:20	07/03/24 19:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		07/03/24 10:20	07/03/24 19:13	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:20	07/03/24 19:13	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/03/24 10:20	07/03/24 19:13	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	07/03/24 10:20	07/03/24 19:13	1
1,4-Difluorobenzene (Surr)	86		70 - 130	07/03/24 10:20	07/03/24 19:13	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			07/03/24 19:13	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			07/05/24 17:09	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		07/02/24 20:29	07/05/24 17:09	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		07/02/24 20:29	07/05/24 17:09	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		07/02/24 20:29	07/05/24 17:09	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	07/02/24 20:29	07/05/24 17:09	1
o-Terphenyl	115		70 - 130	07/02/24 20:29	07/05/24 17:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	595		4.99	mg/Kg			07/08/24 15:49	1

Client Sample ID: FS-17

Lab Sample ID: 890-6878-17

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:20	07/03/24 19:34	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:20	07/03/24 19:34	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:20	07/03/24 19:34	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		07/03/24 10:20	07/03/24 19:34	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:20	07/03/24 19:34	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		07/03/24 10:20	07/03/24 19:34	1

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-17

Lab Sample ID: 890-6878-17

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	74		70 - 130	07/03/24 10:20	07/03/24 19:34	1
1,4-Difluorobenzene (Surr)	85		70 - 130	07/03/24 10:20	07/03/24 19:34	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			07/03/24 19:34	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			07/05/24 17:29	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		07/02/24 20:29	07/05/24 17:29	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		07/02/24 20:29	07/05/24 17:29	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/02/24 20:29	07/05/24 17:29	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	07/02/24 20:29	07/05/24 17:29	1
o-Terphenyl	112		70 - 130	07/02/24 20:29	07/05/24 17:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1470		25.3	mg/Kg			07/08/24 16:11	5

Client Sample ID: FS-18

Lab Sample ID: 890-6878-18

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:20	07/03/24 19:54	1
Toluene	<0.00199	U	0.00199	mg/Kg		07/03/24 10:20	07/03/24 19:54	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		07/03/24 10:20	07/03/24 19:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		07/03/24 10:20	07/03/24 19:54	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/03/24 10:20	07/03/24 19:54	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/03/24 10:20	07/03/24 19:54	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130	07/03/24 10:20	07/03/24 19:54	1
1,4-Difluorobenzene (Surr)	83		70 - 130	07/03/24 10:20	07/03/24 19:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			07/03/24 19:54	1

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-18

Lab Sample ID: 890-6878-18

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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			07/05/24 17:50	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	<49.8	U	49.8	mg/Kg		07/02/24 20:29	07/05/24 17:50	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		07/02/24 20:29	07/05/24 17:50	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/02/24 20:29	07/05/24 17:50	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	67	S1-	70 - 130	07/02/24 20:29	07/05/24 17:50	1
o-Terphenyl	70		70 - 130	07/02/24 20:29	07/05/24 17:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	355		4.98	mg/Kg			07/08/24 16:19	1

Client Sample ID: FS-19

Lab Sample ID: 890-6878-19

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:20	07/03/24 20:15	1
Toluene	<0.00201	U	0.00201	mg/Kg		07/03/24 10:20	07/03/24 20:15	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		07/03/24 10:20	07/03/24 20:15	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		07/03/24 10:20	07/03/24 20:15	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		07/03/24 10:20	07/03/24 20:15	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		07/03/24 10:20	07/03/24 20:15	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130	07/03/24 10:20	07/03/24 20:15	1
1,4-Difluorobenzene (Surr)	84		70 - 130	07/03/24 10:20	07/03/24 20:15	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			07/03/24 20:15	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			07/05/24 18:10	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	<50.0	U	50.0	mg/Kg		07/02/24 20:29	07/05/24 18:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/02/24 20:29	07/05/24 18:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/02/24 20:29	07/05/24 18:10	1

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-19

Lab Sample ID: 890-6878-19

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130	07/02/24 20:29	07/05/24 18:10	1
o-Terphenyl	131	S1+	70 - 130	07/02/24 20:29	07/05/24 18:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	286		4.97	mg/Kg			07/08/24 16:41	1

Client Sample ID: FS-20

Lab Sample ID: 890-6878-20

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:20	07/03/24 20:36	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:20	07/03/24 20:36	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:20	07/03/24 20:36	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		07/03/24 10:20	07/03/24 20:36	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:20	07/03/24 20:36	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		07/03/24 10:20	07/03/24 20:36	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	07/03/24 10:20	07/03/24 20:36	1
1,4-Difluorobenzene (Surr)	92		70 - 130	07/03/24 10:20	07/03/24 20:36	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			07/03/24 20:36	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	mg/Kg			07/05/24 18:31	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	<49.6	U	49.6	mg/Kg		07/02/24 20:29	07/05/24 18:31	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		07/02/24 20:29	07/05/24 18:31	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		07/02/24 20:29	07/05/24 18:31	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	07/02/24 20:29	07/05/24 18:31	1
o-Terphenyl	106		70 - 130	07/02/24 20:29	07/05/24 18:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	216		5.00	mg/Kg			07/08/24 16:48	1

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-21

Lab Sample ID: 890-6878-21

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U F1	0.00201	mg/Kg		07/03/24 10:26	07/03/24 13:23	1
Toluene	<0.00201	U F2 F1	0.00201	mg/Kg		07/03/24 10:26	07/03/24 13:23	1
Ethylbenzene	<0.00201	U F2 F1	0.00201	mg/Kg		07/03/24 10:26	07/03/24 13:23	1
m-Xylene & p-Xylene	<0.00402	U F2 F1	0.00402	mg/Kg		07/03/24 10:26	07/03/24 13:23	1
o-Xylene	<0.00201	U F2 F1	0.00201	mg/Kg		07/03/24 10:26	07/03/24 13:23	1
Xylenes, Total	<0.00402	U F2 F1	0.00402	mg/Kg		07/03/24 10:26	07/03/24 13:23	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	07/03/24 10:26	07/03/24 13:23	1
1,4-Difluorobenzene (Surr)	85		70 - 130	07/03/24 10:26	07/03/24 13:23	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			07/03/24 13:23	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			07/05/24 18:51	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		07/02/24 20:29	07/05/24 18:51	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		07/02/24 20:29	07/05/24 18:51	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		07/02/24 20:29	07/05/24 18:51	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	07/02/24 20:29	07/05/24 18:51	1
o-Terphenyl	100		70 - 130	07/02/24 20:29	07/05/24 18:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1930		25.0	mg/Kg			07/08/24 16:55	5

Client Sample ID: FS-22

Lab Sample ID: 890-6878-22

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:26	07/03/24 13:50	1
Toluene	<0.00202	U	0.00202	mg/Kg		07/03/24 10:26	07/03/24 13:50	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		07/03/24 10:26	07/03/24 13:50	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		07/03/24 10:26	07/03/24 13:50	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		07/03/24 10:26	07/03/24 13:50	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		07/03/24 10:26	07/03/24 13:50	1

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-22

Lab Sample ID: 890-6878-22

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	07/03/24 10:26	07/03/24 13:50	1
1,4-Difluorobenzene (Surr)	86		70 - 130	07/03/24 10:26	07/03/24 13:50	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			07/03/24 13:50	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			07/05/24 19:11	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	<49.8	U	49.8	mg/Kg		07/02/24 20:29	07/05/24 19:11	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		07/02/24 20:29	07/05/24 19:11	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/02/24 20:29	07/05/24 19:11	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	07/02/24 20:29	07/05/24 19:11	1
o-Terphenyl	115		70 - 130	07/02/24 20:29	07/05/24 19:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1560		25.1	mg/Kg			07/08/24 17:02	5

Client Sample ID: FS-23

Lab Sample ID: 890-6878-23

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:26	07/03/24 14:17	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:26	07/03/24 14:17	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:26	07/03/24 14:17	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		07/03/24 10:26	07/03/24 14:17	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:26	07/03/24 14:17	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		07/03/24 10:26	07/03/24 14:17	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	07/03/24 10:26	07/03/24 14:17	1
1,4-Difluorobenzene (Surr)	100		70 - 130	07/03/24 10:26	07/03/24 14:17	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			07/03/24 14:17	1

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-23

Lab Sample ID: 890-6878-23

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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			07/05/24 19:32	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	mg/Kg		07/02/24 20:29	07/05/24 19:32	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		07/02/24 20:29	07/05/24 19:32	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		07/02/24 20:29	07/05/24 19:32	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130	07/02/24 20:29	07/05/24 19:32	1
o-Terphenyl	93		70 - 130	07/02/24 20:29	07/05/24 19:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2650		25.2	mg/Kg			07/08/24 17:10	5

Client Sample ID: FS-24

Lab Sample ID: 890-6878-24

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:26	07/03/24 14:44	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:26	07/03/24 14:44	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:26	07/03/24 14:44	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		07/03/24 10:26	07/03/24 14:44	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:26	07/03/24 14:44	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/03/24 10:26	07/03/24 14:44	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	07/03/24 10:26	07/03/24 14:44	1
1,4-Difluorobenzene (Surr)	91		70 - 130	07/03/24 10:26	07/03/24 14:44	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			07/03/24 14:44	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			07/05/24 19:53	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	<49.8	U	49.8	mg/Kg		07/02/24 20:29	07/05/24 19:53	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		07/02/24 20:29	07/05/24 19:53	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/02/24 20:29	07/05/24 19:53	1

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-24

Lab Sample ID: 890-6878-24

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130	07/02/24 20:29	07/05/24 19:53	1
o-Terphenyl	81		70 - 130	07/02/24 20:29	07/05/24 19:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1570		24.9	mg/Kg			07/08/24 17:17	5

Client Sample ID: FS-25

Lab Sample ID: 890-6878-25

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:26	07/03/24 15:11	1
Toluene	<0.00199	U	0.00199	mg/Kg		07/03/24 10:26	07/03/24 15:11	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		07/03/24 10:26	07/03/24 15:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		07/03/24 10:26	07/03/24 15:11	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/03/24 10:26	07/03/24 15:11	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/03/24 10:26	07/03/24 15:11	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	07/03/24 10:26	07/03/24 15:11	1
1,4-Difluorobenzene (Surr)	101		70 - 130	07/03/24 10:26	07/03/24 15:11	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			07/03/24 15:11	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			07/05/24 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	<49.8	U	49.8	mg/Kg		07/02/24 20:38	07/05/24 21:36	1
Diesel Range Organics (Over C10-C28)	<49.8	U F1	49.8	mg/Kg		07/02/24 20:38	07/05/24 21:36	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/02/24 20:38	07/05/24 21:36	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	07/02/24 20:38	07/05/24 21:36	1
o-Terphenyl	113		70 - 130	07/02/24 20:38	07/05/24 21:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2610		24.8	mg/Kg			07/08/24 17:24	5

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-26

Lab Sample ID: 890-6878-26

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:26	07/03/24 15:38	1
Toluene	<0.00199	U	0.00199	mg/Kg		07/03/24 10:26	07/03/24 15:38	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		07/03/24 10:26	07/03/24 15:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		07/03/24 10:26	07/03/24 15:38	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/03/24 10:26	07/03/24 15:38	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/03/24 10:26	07/03/24 15:38	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	07/03/24 10:26	07/03/24 15:38	1
1,4-Difluorobenzene (Surr)	95		70 - 130	07/03/24 10:26	07/03/24 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			07/03/24 15:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			07/05/24 22:37	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		07/02/24 20:38	07/05/24 22:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/02/24 20:38	07/05/24 22:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/02/24 20:38	07/05/24 22:37	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	07/02/24 20:38	07/05/24 22:37	1
o-Terphenyl	118		70 - 130	07/02/24 20:38	07/05/24 22:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2560	F1	24.9	mg/Kg			07/06/24 03:43	5

Client Sample ID: FS-27

Lab Sample ID: 890-6878-27

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:26	07/03/24 16:05	1
Toluene	<0.00202	U	0.00202	mg/Kg		07/03/24 10:26	07/03/24 16:05	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		07/03/24 10:26	07/03/24 16:05	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		07/03/24 10:26	07/03/24 16:05	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		07/03/24 10:26	07/03/24 16:05	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		07/03/24 10:26	07/03/24 16:05	1

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-27

Lab Sample ID: 890-6878-27

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	07/03/24 10:26	07/03/24 16:05	1
1,4-Difluorobenzene (Surr)	102		70 - 130	07/03/24 10:26	07/03/24 16:05	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			07/03/24 16:05	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			07/05/24 22:58	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	<49.7	U	49.7	mg/Kg		07/02/24 20:38	07/05/24 22:58	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		07/02/24 20:38	07/05/24 22:58	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		07/02/24 20:38	07/05/24 22:58	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	07/02/24 20:38	07/05/24 22:58	1
o-Terphenyl	128		70 - 130	07/02/24 20:38	07/05/24 22:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2620		25.0	mg/Kg			07/06/24 03:58	5

Client Sample ID: FS-28

Lab Sample ID: 890-6878-28

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:26	07/03/24 16:32	1
Toluene	<0.00201	U	0.00201	mg/Kg		07/03/24 10:26	07/03/24 16:32	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		07/03/24 10:26	07/03/24 16:32	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		07/03/24 10:26	07/03/24 16:32	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		07/03/24 10:26	07/03/24 16:32	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		07/03/24 10:26	07/03/24 16:32	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	07/03/24 10:26	07/03/24 16:32	1
1,4-Difluorobenzene (Surr)	101		70 - 130	07/03/24 10:26	07/03/24 16:32	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			07/03/24 16:32	1

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-28

Lab Sample ID: 890-6878-28

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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			07/05/24 23:18	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	<49.7	U	49.7	mg/Kg		07/02/24 20:38	07/05/24 23:18	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		07/02/24 20:38	07/05/24 23:18	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		07/02/24 20:38	07/05/24 23:18	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	07/02/24 20:38	07/05/24 23:18	1
o-Terphenyl	130		70 - 130	07/02/24 20:38	07/05/24 23:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5270		50.0	mg/Kg			07/06/24 04:03	10

Client Sample ID: FS-29

Lab Sample ID: 890-6878-29

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:26	07/03/24 16:59	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:26	07/03/24 16:59	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:26	07/03/24 16:59	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		07/03/24 10:26	07/03/24 16:59	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:26	07/03/24 16:59	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/03/24 10:26	07/03/24 16:59	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	07/03/24 10:26	07/03/24 16:59	1
1,4-Difluorobenzene (Surr)	103		70 - 130	07/03/24 10:26	07/03/24 16:59	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			07/03/24 16:59	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	112		50.0	mg/Kg			07/05/24 23:39	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	<50.0	U	50.0	mg/Kg		07/02/24 20:38	07/05/24 23:39	1
Diesel Range Organics (Over C10-C28)	112		50.0	mg/Kg		07/02/24 20:38	07/05/24 23:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/02/24 20:38	07/05/24 23:39	1

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-29

Lab Sample ID: 890-6878-29

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	07/02/24 20:38	07/05/24 23:39	1
o-Terphenyl	122		70 - 130	07/02/24 20:38	07/05/24 23:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3930		25.2	mg/Kg			07/06/24 04:09	5

Client Sample ID: FS-30

Lab Sample ID: 890-6878-30

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:26	07/03/24 17:26	1
Toluene	<0.00201	U	0.00201	mg/Kg		07/03/24 10:26	07/03/24 17:26	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		07/03/24 10:26	07/03/24 17:26	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		07/03/24 10:26	07/03/24 17:26	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		07/03/24 10:26	07/03/24 17:26	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		07/03/24 10:26	07/03/24 17:26	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	07/03/24 10:26	07/03/24 17:26	1
1,4-Difluorobenzene (Surr)	92		70 - 130	07/03/24 10:26	07/03/24 17:26	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			07/03/24 17:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	196		49.8	mg/Kg			07/05/24 23:59	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		07/02/24 20:38	07/05/24 23:59	1
Diesel Range Organics (Over C10-C28)	196		49.8	mg/Kg		07/02/24 20:38	07/05/24 23:59	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/02/24 20:38	07/05/24 23:59	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	07/02/24 20:38	07/05/24 23:59	1
o-Terphenyl	127		70 - 130	07/02/24 20:38	07/05/24 23:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4380		25.0	mg/Kg			07/06/24 04:14	5

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-31

Lab Sample ID: 890-6878-31

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:26	07/03/24 19:14	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:26	07/03/24 19:14	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:26	07/03/24 19:14	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		07/03/24 10:26	07/03/24 19:14	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:26	07/03/24 19:14	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		07/03/24 10:26	07/03/24 19:14	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	07/03/24 10:26	07/03/24 19:14	1
1,4-Difluorobenzene (Surr)	89		70 - 130	07/03/24 10:26	07/03/24 19:14	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			07/03/24 19:14	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	84.6		49.9	mg/Kg			07/06/24 00:19	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		07/02/24 20:38	07/06/24 00:19	1
Diesel Range Organics (Over C10-C28)	84.6		49.9	mg/Kg		07/02/24 20:38	07/06/24 00:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		07/02/24 20:38	07/06/24 00:19	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130	07/02/24 20:38	07/06/24 00:19	1
o-Terphenyl	130		70 - 130	07/02/24 20:38	07/06/24 00:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2970		25.3	mg/Kg			07/06/24 04:30	5

Client Sample ID: FS-32

Lab Sample ID: 890-6878-32

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:26	07/03/24 19:41	1
Toluene	<0.00199	U	0.00199	mg/Kg		07/03/24 10:26	07/03/24 19:41	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		07/03/24 10:26	07/03/24 19:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		07/03/24 10:26	07/03/24 19:41	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/03/24 10:26	07/03/24 19:41	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/03/24 10:26	07/03/24 19:41	1

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-32

Lab Sample ID: 890-6878-32

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	07/03/24 10:26	07/03/24 19:41	1
1,4-Difluorobenzene (Surr)	101		70 - 130	07/03/24 10:26	07/03/24 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			07/03/24 19:41	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			07/06/24 00:39	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	<49.8	U	49.8	mg/Kg		07/02/24 20:38	07/06/24 00:39	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		07/02/24 20:38	07/06/24 00:39	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/02/24 20:38	07/06/24 00:39	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	07/02/24 20:38	07/06/24 00:39	1
o-Terphenyl	129		70 - 130	07/02/24 20:38	07/06/24 00:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1410		25.1	mg/Kg			07/06/24 04:35	5

Client Sample ID: FS-33

Lab Sample ID: 890-6878-33

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:26	07/03/24 20:08	1
Toluene	<0.00199	U	0.00199	mg/Kg		07/03/24 10:26	07/03/24 20:08	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		07/03/24 10:26	07/03/24 20:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		07/03/24 10:26	07/03/24 20:08	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/03/24 10:26	07/03/24 20:08	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/03/24 10:26	07/03/24 20:08	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	07/03/24 10:26	07/03/24 20:08	1
1,4-Difluorobenzene (Surr)	101		70 - 130	07/03/24 10:26	07/03/24 20:08	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			07/03/24 20:08	1

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-33

Lab Sample ID: 890-6878-33

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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			07/06/24 01:01	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		07/02/24 20:38	07/06/24 01:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/02/24 20:38	07/06/24 01:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/02/24 20:38	07/06/24 01:01	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	07/02/24 20:38	07/06/24 01:01	1
o-Terphenyl	120		70 - 130	07/02/24 20:38	07/06/24 01:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	457		5.04	mg/Kg			07/06/24 04:40	1

Client Sample ID: FS-34

Lab Sample ID: 890-6878-34

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:26	07/03/24 20:35	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:26	07/03/24 20:35	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:26	07/03/24 20:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		07/03/24 10:26	07/03/24 20:35	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:26	07/03/24 20:35	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/03/24 10:26	07/03/24 20:35	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	07/03/24 10:26	07/03/24 20:35	1
1,4-Difluorobenzene (Surr)	82		70 - 130	07/03/24 10:26	07/03/24 20:35	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			07/03/24 20:35	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			07/06/24 01:21	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	<49.6	U	49.6	mg/Kg		07/02/24 20:38	07/06/24 01:21	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		07/02/24 20:38	07/06/24 01:21	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		07/02/24 20:38	07/06/24 01:21	1

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-34

Lab Sample ID: 890-6878-34

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	140	S1+	70 - 130	07/02/24 20:38	07/06/24 01:21	1
o-Terphenyl	158	S1+	70 - 130	07/02/24 20:38	07/06/24 01:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	267		5.05	mg/Kg			07/06/24 04:45	1

Client Sample ID: FS-35

Lab Sample ID: 890-6878-35

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:26	07/03/24 21:02	1
Toluene	<0.00201	U	0.00201	mg/Kg		07/03/24 10:26	07/03/24 21:02	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		07/03/24 10:26	07/03/24 21:02	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		07/03/24 10:26	07/03/24 21:02	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		07/03/24 10:26	07/03/24 21:02	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		07/03/24 10:26	07/03/24 21:02	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	07/03/24 10:26	07/03/24 21:02	1
1,4-Difluorobenzene (Surr)	85		70 - 130	07/03/24 10:26	07/03/24 21:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			07/03/24 21:02	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			07/06/24 02:03	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	<49.7	U	49.7	mg/Kg		07/02/24 20:38	07/06/24 02:03	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		07/02/24 20:38	07/06/24 02:03	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		07/02/24 20:38	07/06/24 02:03	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	07/02/24 20:38	07/06/24 02:03	1
o-Terphenyl	114		70 - 130	07/02/24 20:38	07/06/24 02:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	162		5.05	mg/Kg			07/06/24 04:50	1

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-36

Lab Sample ID: 890-6878-36

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:26	07/03/24 21:28	1
Toluene	<0.00202	U	0.00202	mg/Kg		07/03/24 10:26	07/03/24 21:28	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		07/03/24 10:26	07/03/24 21:28	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		07/03/24 10:26	07/03/24 21:28	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		07/03/24 10:26	07/03/24 21:28	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		07/03/24 10:26	07/03/24 21:28	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	07/03/24 10:26	07/03/24 21:28	1
1,4-Difluorobenzene (Surr)	86		70 - 130	07/03/24 10:26	07/03/24 21:28	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			07/03/24 21:28	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			07/06/24 02:23	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	<49.7	U	49.7	mg/Kg		07/02/24 20:38	07/06/24 02:23	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		07/02/24 20:38	07/06/24 02:23	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		07/02/24 20:38	07/06/24 02:23	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130	07/02/24 20:38	07/06/24 02:23	1
o-Terphenyl	153	S1+	70 - 130	07/02/24 20:38	07/06/24 02:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1860		24.9	mg/Kg			07/06/24 04:56	5

Client Sample ID: FS-37

Lab Sample ID: 890-6878-37

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:26	07/03/24 21:55	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:26	07/03/24 21:55	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:26	07/03/24 21:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		07/03/24 10:26	07/03/24 21:55	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:26	07/03/24 21:55	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/03/24 10:26	07/03/24 21:55	1

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-37

Lab Sample ID: 890-6878-37

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130	07/03/24 10:26	07/03/24 21:55	1
1,4-Difluorobenzene (Surr)	91		70 - 130	07/03/24 10:26	07/03/24 21:55	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			07/03/24 21:55	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			07/06/24 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	<49.8	U	49.8	mg/Kg		07/02/24 20:38	07/06/24 02:43	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		07/02/24 20:38	07/06/24 02:43	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/02/24 20:38	07/06/24 02:43	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	07/02/24 20:38	07/06/24 02:43	1
o-Terphenyl	120		70 - 130	07/02/24 20:38	07/06/24 02:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	327		5.00	mg/Kg			07/06/24 05:11	1

Client Sample ID: FS-38

Lab Sample ID: 890-6878-38

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:26	07/03/24 22:22	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:26	07/03/24 22:22	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:26	07/03/24 22:22	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		07/03/24 10:26	07/03/24 22:22	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:26	07/03/24 22:22	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		07/03/24 10:26	07/03/24 22:22	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	07/03/24 10:26	07/03/24 22:22	1
1,4-Difluorobenzene (Surr)	85		70 - 130	07/03/24 10:26	07/03/24 22:22	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			07/03/24 22:22	1

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-38

Lab Sample ID: 890-6878-38

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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			07/06/24 03:04	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		07/02/24 20:38	07/06/24 03:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		07/02/24 20:38	07/06/24 03:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		07/02/24 20:38	07/06/24 03:04	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	07/02/24 20:38	07/06/24 03:04	1
o-Terphenyl	119		70 - 130	07/02/24 20:38	07/06/24 03:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	205		4.99	mg/Kg			07/06/24 05:17	1

Client Sample ID: FS-39

Lab Sample ID: 890-6878-39

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:26	07/03/24 22:48	1
Toluene	<0.00199	U	0.00199	mg/Kg		07/03/24 10:26	07/03/24 22:48	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		07/03/24 10:26	07/03/24 22:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		07/03/24 10:26	07/03/24 22:48	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/03/24 10:26	07/03/24 22:48	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/03/24 10:26	07/03/24 22:48	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	07/03/24 10:26	07/03/24 22:48	1
1,4-Difluorobenzene (Surr)	97		70 - 130	07/03/24 10:26	07/03/24 22:48	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			07/03/24 22:48	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			07/06/24 03:24	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	<49.8	U	49.8	mg/Kg		07/02/24 20:38	07/06/24 03:24	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		07/02/24 20:38	07/06/24 03:24	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/02/24 20:38	07/06/24 03:24	1

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-39

Lab Sample ID: 890-6878-39

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130	07/02/24 20:38	07/06/24 03:24	1
o-Terphenyl	136	S1+	70 - 130	07/02/24 20:38	07/06/24 03:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	262		5.02	mg/Kg			07/06/24 05:32	1

Client Sample ID: FS-40

Lab Sample ID: 890-6878-40

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:26	07/03/24 23:15	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:26	07/03/24 23:15	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:26	07/03/24 23:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		07/03/24 10:26	07/03/24 23:15	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:26	07/03/24 23:15	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/03/24 10:26	07/03/24 23:15	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	07/03/24 10:26	07/03/24 23:15	1
1,4-Difluorobenzene (Surr)	93		70 - 130	07/03/24 10:26	07/03/24 23:15	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			07/03/24 23:15	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			07/06/24 03:43	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		07/02/24 20:38	07/06/24 03:43	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		07/02/24 20:38	07/06/24 03:43	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/02/24 20:38	07/06/24 03:43	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	11	S1-	70 - 130	07/02/24 20:38	07/06/24 03:43	1
o-Terphenyl	11	S1-	70 - 130	07/02/24 20:38	07/06/24 03:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	178		5.03	mg/Kg			07/06/24 05:37	1

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-41

Lab Sample ID: 890-6878-41

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:32	07/03/24 13:04	1
Toluene	<0.00201	U	0.00201	mg/Kg		07/03/24 10:32	07/03/24 13:04	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		07/03/24 10:32	07/03/24 13:04	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		07/03/24 10:32	07/03/24 13:04	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		07/03/24 10:32	07/03/24 13:04	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		07/03/24 10:32	07/03/24 13:04	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	07/03/24 10:32	07/03/24 13:04	1
1,4-Difluorobenzene (Surr)	88		70 - 130	07/03/24 10:32	07/03/24 13:04	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			07/03/24 13:04	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			07/06/24 04:50	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	mg/Kg		07/02/24 20:38	07/06/24 04:50	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		07/02/24 20:38	07/06/24 04:50	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		07/02/24 20:38	07/06/24 04:50	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130	07/02/24 20:38	07/06/24 04:50	1
o-Terphenyl	140	S1+	70 - 130	07/02/24 20:38	07/06/24 04:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4720		25.1	mg/Kg			07/06/24 05:43	5

Client Sample ID: FS-42

Lab Sample ID: 890-6878-42

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:32	07/03/24 13:24	1
Toluene	<0.00202	U	0.00202	mg/Kg		07/03/24 10:32	07/03/24 13:24	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		07/03/24 10:32	07/03/24 13:24	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		07/03/24 10:32	07/03/24 13:24	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		07/03/24 10:32	07/03/24 13:24	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		07/03/24 10:32	07/03/24 13:24	1

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-42

Lab Sample ID: 890-6878-42

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	07/03/24 10:32	07/03/24 13:24	1
1,4-Difluorobenzene (Surr)	91		70 - 130	07/03/24 10:32	07/03/24 13:24	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			07/03/24 13:24	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	441		49.8	mg/Kg			07/06/24 05:52	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		07/02/24 20:38	07/06/24 05:52	1
Diesel Range Organics (Over C10-C28)	441		49.8	mg/Kg		07/02/24 20:38	07/06/24 05:52	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/02/24 20:38	07/06/24 05:52	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130	07/02/24 20:38	07/06/24 05:52	1
o-Terphenyl	138	S1+	70 - 130	07/02/24 20:38	07/06/24 05:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3790		24.9	mg/Kg			07/06/24 05:48	5

Client Sample ID: FS-43

Lab Sample ID: 890-6878-43

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:32	07/03/24 13:45	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:32	07/03/24 13:45	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:32	07/03/24 13:45	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		07/03/24 10:32	07/03/24 13:45	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:32	07/03/24 13:45	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		07/03/24 10:32	07/03/24 13:45	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	07/03/24 10:32	07/03/24 13:45	1
1,4-Difluorobenzene (Surr)	89		70 - 130	07/03/24 10:32	07/03/24 13:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			07/03/24 13:45	1

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-43

Lab Sample ID: 890-6878-43

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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			07/06/24 05:30	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		07/02/24 20:38	07/06/24 05:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/02/24 20:38	07/06/24 05:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/02/24 20:38	07/06/24 05:30	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130	07/02/24 20:38	07/06/24 05:30	1
o-Terphenyl	134	S1+	70 - 130	07/02/24 20:38	07/06/24 05:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2960		24.9	mg/Kg			07/06/24 05:53	5

Client Sample ID: FS-44

Lab Sample ID: 890-6878-44

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:32	07/03/24 14:05	1
Toluene	<0.00199	U	0.00199	mg/Kg		07/03/24 10:32	07/03/24 14:05	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		07/03/24 10:32	07/03/24 14:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		07/03/24 10:32	07/03/24 14:05	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/03/24 10:32	07/03/24 14:05	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/03/24 10:32	07/03/24 14:05	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	07/03/24 10:32	07/03/24 14:05	1
1,4-Difluorobenzene (Surr)	90		70 - 130	07/03/24 10:32	07/03/24 14:05	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			07/03/24 14:05	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	56.4		49.8	mg/Kg			07/06/24 05:10	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	<49.8	U	49.8	mg/Kg		07/02/24 20:38	07/06/24 05:10	1
Diesel Range Organics (Over C10-C28)	56.4		49.8	mg/Kg		07/02/24 20:38	07/06/24 05:10	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/02/24 20:38	07/06/24 05:10	1

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-44

Lab Sample ID: 890-6878-44

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	133	S1+	70 - 130	07/02/24 20:38	07/06/24 05:10	1
o-Terphenyl	151	S1+	70 - 130	07/02/24 20:38	07/06/24 05:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3890		25.2	mg/Kg			07/06/24 05:59	5

Client Sample ID: FS-45

Lab Sample ID: 890-6878-45

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:32	07/03/24 14:26	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:32	07/03/24 14:26	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:32	07/03/24 14:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		07/03/24 10:32	07/03/24 14:26	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:32	07/03/24 14:26	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/03/24 10:32	07/03/24 14:26	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	07/03/24 10:32	07/03/24 14:26	1
1,4-Difluorobenzene (Surr)	90		70 - 130	07/03/24 10:32	07/03/24 14:26	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			07/03/24 14:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	54.5		49.9	mg/Kg			07/04/24 10:11	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	<49.9	U F2	49.9	mg/Kg		07/02/24 20:41	07/04/24 10:11	1
Diesel Range Organics (Over C10-C28)	54.5	F1	49.9	mg/Kg		07/02/24 20:41	07/04/24 10:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		07/02/24 20:41	07/04/24 10:11	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	07/02/24 20:41	07/04/24 10:11	1
o-Terphenyl	121		70 - 130	07/02/24 20:41	07/04/24 10:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4090		24.9	mg/Kg			07/06/24 06:04	5

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-46

Lab Sample ID: 890-6878-46

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:32	07/03/24 14:46	1
Toluene	<0.00199	U	0.00199	mg/Kg		07/03/24 10:32	07/03/24 14:46	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		07/03/24 10:32	07/03/24 14:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		07/03/24 10:32	07/03/24 14:46	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/03/24 10:32	07/03/24 14:46	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/03/24 10:32	07/03/24 14:46	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	07/03/24 10:32	07/03/24 14:46	1
1,4-Difluorobenzene (Surr)	88		70 - 130	07/03/24 10:32	07/03/24 14:46	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			07/03/24 14:46	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			07/04/24 11:12	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	<49.8	U	49.8	mg/Kg		07/02/24 20:41	07/04/24 11:12	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		07/02/24 20:41	07/04/24 11:12	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/02/24 20:41	07/04/24 11:12	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	07/02/24 20:41	07/04/24 11:12	1
o-Terphenyl	105		70 - 130	07/02/24 20:41	07/04/24 11:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3350		24.9	mg/Kg			07/08/24 09:54	5

Client Sample ID: FS-47

Lab Sample ID: 890-6878-47

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:32	07/03/24 15:06	1
Toluene	<0.00201	U	0.00201	mg/Kg		07/03/24 10:32	07/03/24 15:06	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		07/03/24 10:32	07/03/24 15:06	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		07/03/24 10:32	07/03/24 15:06	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		07/03/24 10:32	07/03/24 15:06	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		07/03/24 10:32	07/03/24 15:06	1

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-47

Lab Sample ID: 890-6878-47

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	07/03/24 10:32	07/03/24 15:06	1
1,4-Difluorobenzene (Surr)	90		70 - 130	07/03/24 10:32	07/03/24 15:06	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			07/03/24 15:06	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			07/04/24 11:33	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		07/02/24 20:41	07/04/24 11:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/02/24 20:41	07/04/24 11:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/02/24 20:41	07/04/24 11:33	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	07/02/24 20:41	07/04/24 11:33	1
o-Terphenyl	117		70 - 130	07/02/24 20:41	07/04/24 11:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3030		24.8	mg/Kg			07/08/24 10:15	5

Client Sample ID: FS-48

Lab Sample ID: 890-6878-48

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:32	07/03/24 15:27	1
Toluene	<0.00202	U	0.00202	mg/Kg		07/03/24 10:32	07/03/24 15:27	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		07/03/24 10:32	07/03/24 15:27	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		07/03/24 10:32	07/03/24 15:27	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		07/03/24 10:32	07/03/24 15:27	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		07/03/24 10:32	07/03/24 15:27	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	07/03/24 10:32	07/03/24 15:27	1
1,4-Difluorobenzene (Surr)	89		70 - 130	07/03/24 10:32	07/03/24 15:27	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			07/03/24 15:27	1

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-48

Lab Sample ID: 890-6878-48

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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			07/04/24 11:53	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	<49.6	U	49.6	mg/Kg		07/02/24 20:41	07/04/24 11:53	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		07/02/24 20:41	07/04/24 11:53	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		07/02/24 20:41	07/04/24 11:53	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	07/02/24 20:41	07/04/24 11:53	1
o-Terphenyl	113		70 - 130	07/02/24 20:41	07/04/24 11:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6600		49.7	mg/Kg			07/08/24 10:23	10

Client Sample ID: FS-49

Lab Sample ID: 890-6878-49

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:32	07/03/24 15:47	1
Toluene	<0.00199	U	0.00199	mg/Kg		07/03/24 10:32	07/03/24 15:47	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		07/03/24 10:32	07/03/24 15:47	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		07/03/24 10:32	07/03/24 15:47	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/03/24 10:32	07/03/24 15:47	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/03/24 10:32	07/03/24 15:47	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	07/03/24 10:32	07/03/24 15:47	1
1,4-Difluorobenzene (Surr)	89		70 - 130	07/03/24 10:32	07/03/24 15:47	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			07/03/24 15:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	68.0		49.7	mg/Kg			07/04/24 12:14	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	mg/Kg		07/02/24 20:41	07/04/24 12:14	1
Diesel Range Organics (Over C10-C28)	68.0		49.7	mg/Kg		07/02/24 20:41	07/04/24 12:14	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		07/02/24 20:41	07/04/24 12:14	1

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-49

Lab Sample ID: 890-6878-49

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	07/02/24 20:41	07/04/24 12:14	1
o-Terphenyl	109		70 - 130	07/02/24 20:41	07/04/24 12:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4030		25.0	mg/Kg			07/08/24 10:30	5

Client Sample ID: FS-50

Lab Sample ID: 890-6878-50

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:32	07/03/24 16:08	1
Toluene	<0.00199	U	0.00199	mg/Kg		07/03/24 10:32	07/03/24 16:08	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		07/03/24 10:32	07/03/24 16:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		07/03/24 10:32	07/03/24 16:08	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/03/24 10:32	07/03/24 16:08	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/03/24 10:32	07/03/24 16:08	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	07/03/24 10:32	07/03/24 16:08	1
1,4-Difluorobenzene (Surr)	89		70 - 130	07/03/24 10:32	07/03/24 16:08	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			07/03/24 16:08	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			07/04/24 12:34	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	49.7	mg/Kg		07/02/24 20:41	07/04/24 12:34	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		07/02/24 20:41	07/04/24 12:34	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		07/02/24 20:41	07/04/24 12:34	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	07/02/24 20:41	07/04/24 12:34	1
o-Terphenyl	106		70 - 130	07/02/24 20:41	07/04/24 12:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4760		50.0	mg/Kg			07/08/24 10:37	10

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-51

Lab Sample ID: 890-6878-51

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:32	07/03/24 17:32	1
Toluene	<0.00198	U	0.00198	mg/Kg		07/03/24 10:32	07/03/24 17:32	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		07/03/24 10:32	07/03/24 17:32	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		07/03/24 10:32	07/03/24 17:32	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		07/03/24 10:32	07/03/24 17:32	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		07/03/24 10:32	07/03/24 17:32	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	07/03/24 10:32	07/03/24 17:32	1
1,4-Difluorobenzene (Surr)	90		70 - 130	07/03/24 10:32	07/03/24 17:32	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			07/03/24 17:32	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			07/04/24 12:55	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		07/02/24 20:41	07/04/24 12:55	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		07/02/24 20:41	07/04/24 12:55	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/02/24 20:41	07/04/24 12:55	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	07/02/24 20:41	07/04/24 12:55	1
o-Terphenyl	128		70 - 130	07/02/24 20:41	07/04/24 12:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1990		24.8	mg/Kg			07/08/24 10:58	5

Client Sample ID: FS-52

Lab Sample ID: 890-6878-52

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:32	07/03/24 17:52	1
Toluene	<0.00201	U	0.00201	mg/Kg		07/03/24 10:32	07/03/24 17:52	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		07/03/24 10:32	07/03/24 17:52	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		07/03/24 10:32	07/03/24 17:52	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		07/03/24 10:32	07/03/24 17:52	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		07/03/24 10:32	07/03/24 17:52	1

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-52

Lab Sample ID: 890-6878-52

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	07/03/24 10:32	07/03/24 17:52	1
1,4-Difluorobenzene (Surr)	90		70 - 130	07/03/24 10:32	07/03/24 17:52	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			07/03/24 17:52	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			07/04/24 13:15	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	<50.0	U	50.0	mg/Kg		07/02/24 20:41	07/04/24 13:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/02/24 20:41	07/04/24 13:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/02/24 20:41	07/04/24 13:15	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	07/02/24 20:41	07/04/24 13:15	1
o-Terphenyl	122		70 - 130	07/02/24 20:41	07/04/24 13:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4130		25.3	mg/Kg			07/08/24 11:06	5

Client Sample ID: FS-53

Lab Sample ID: 890-6878-53

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:32	07/03/24 18:12	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:32	07/03/24 18:12	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:32	07/03/24 18:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		07/03/24 10:32	07/03/24 18:12	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:32	07/03/24 18:12	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/03/24 10:32	07/03/24 18:12	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	07/03/24 10:32	07/03/24 18:12	1
1,4-Difluorobenzene (Surr)	90		70 - 130	07/03/24 10:32	07/03/24 18:12	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			07/03/24 18:12	1

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-53

Lab Sample ID: 890-6878-53

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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			07/04/24 13:35	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	<49.6	U	49.6	mg/Kg		07/02/24 20:41	07/04/24 13:35	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		07/02/24 20:41	07/04/24 13:35	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		07/02/24 20:41	07/04/24 13:35	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130	07/02/24 20:41	07/04/24 13:35	1
o-Terphenyl	134	S1+	70 - 130	07/02/24 20:41	07/04/24 13:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2750		25.1	mg/Kg			07/08/24 11:13	5

Client Sample ID: FS-54

Lab Sample ID: 890-6878-54

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:32	07/03/24 18:33	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:32	07/03/24 18:33	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:32	07/03/24 18:33	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		07/03/24 10:32	07/03/24 18:33	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:32	07/03/24 18:33	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		07/03/24 10:32	07/03/24 18:33	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	07/03/24 10:32	07/03/24 18:33	1
1,4-Difluorobenzene (Surr)	90		70 - 130	07/03/24 10:32	07/03/24 18:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			07/03/24 18:33	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			07/04/24 13:56	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	<49.7	U	49.7	mg/Kg		07/02/24 20:41	07/04/24 13:56	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		07/02/24 20:41	07/04/24 13:56	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		07/02/24 20:41	07/04/24 13:56	1

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-54

Lab Sample ID: 890-6878-54

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130	07/02/24 20:41	07/04/24 13:56	1
o-Terphenyl	132	S1+	70 - 130	07/02/24 20:41	07/04/24 13:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4090		25.0	mg/Kg			07/08/24 11:20	5

Client Sample ID: FS-55

Lab Sample ID: 890-6878-55

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:32	07/03/24 18:53	1
Toluene	<0.00202	U	0.00202	mg/Kg		07/03/24 10:32	07/03/24 18:53	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		07/03/24 10:32	07/03/24 18:53	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		07/03/24 10:32	07/03/24 18:53	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		07/03/24 10:32	07/03/24 18:53	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		07/03/24 10:32	07/03/24 18:53	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	07/03/24 10:32	07/03/24 18:53	1
1,4-Difluorobenzene (Surr)	90		70 - 130	07/03/24 10:32	07/03/24 18:53	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			07/03/24 18:53	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			07/04/24 14:36	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	<49.8	U	49.8	mg/Kg		07/02/24 20:41	07/04/24 14:36	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		07/02/24 20:41	07/04/24 14:36	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/02/24 20:41	07/04/24 14:36	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	07/02/24 20:41	07/04/24 14:36	1
o-Terphenyl	115		70 - 130	07/02/24 20:41	07/04/24 14:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1330		24.8	mg/Kg			07/08/24 11:27	5

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-56

Lab Sample ID: 890-6878-56

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:32	07/03/24 19:14	1
Toluene	<0.00201	U	0.00201	mg/Kg		07/03/24 10:32	07/03/24 19:14	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		07/03/24 10:32	07/03/24 19:14	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		07/03/24 10:32	07/03/24 19:14	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		07/03/24 10:32	07/03/24 19:14	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		07/03/24 10:32	07/03/24 19:14	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	07/03/24 10:32	07/03/24 19:14	1
1,4-Difluorobenzene (Surr)	90		70 - 130	07/03/24 10:32	07/03/24 19:14	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			07/03/24 19:14	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			07/04/24 14:57	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	<49.9	U	49.9	mg/Kg		07/02/24 20:41	07/04/24 14:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		07/02/24 20:41	07/04/24 14:57	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		07/02/24 20:41	07/04/24 14:57	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130	07/02/24 20:41	07/04/24 14:57	1
o-Terphenyl	133	S1+	70 - 130	07/02/24 20:41	07/04/24 14:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1640	F1	25.1	mg/Kg			07/08/24 11:34	5

Client Sample ID: FS-57

Lab Sample ID: 890-6878-57

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:32	07/03/24 19:34	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:32	07/03/24 19:34	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:32	07/03/24 19:34	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		07/03/24 10:32	07/03/24 19:34	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:32	07/03/24 19:34	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		07/03/24 10:32	07/03/24 19:34	1

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-57

Lab Sample ID: 890-6878-57

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	07/03/24 10:32	07/03/24 19:34	1
1,4-Difluorobenzene (Surr)	91		70 - 130	07/03/24 10:32	07/03/24 19:34	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			07/03/24 19:34	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			07/04/24 15:17	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		07/02/24 20:41	07/04/24 15:17	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		07/02/24 20:41	07/04/24 15:17	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/02/24 20:41	07/04/24 15:17	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	07/02/24 20:41	07/04/24 15:17	1
o-Terphenyl	132	S1+	70 - 130	07/02/24 20:41	07/04/24 15:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	725		4.98	mg/Kg			07/08/24 11:56	1

Client Sample ID: FS-58

Lab Sample ID: 890-6878-58

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:32	07/03/24 19:55	1
Toluene	<0.00199	U	0.00199	mg/Kg		07/03/24 10:32	07/03/24 19:55	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		07/03/24 10:32	07/03/24 19:55	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		07/03/24 10:32	07/03/24 19:55	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/03/24 10:32	07/03/24 19:55	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/03/24 10:32	07/03/24 19:55	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	07/03/24 10:32	07/03/24 19:55	1
1,4-Difluorobenzene (Surr)	91		70 - 130	07/03/24 10:32	07/03/24 19:55	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			07/03/24 19:55	1

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-58

Lab Sample ID: 890-6878-58

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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			07/04/24 15:37	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		07/02/24 20:41	07/04/24 15:37	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		07/02/24 20:41	07/04/24 15:37	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/02/24 20:41	07/04/24 15:37	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	07/02/24 20:41	07/04/24 15:37	1
o-Terphenyl	127		70 - 130	07/02/24 20:41	07/04/24 15:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	662		4.99	mg/Kg			07/08/24 12:03	1

Client Sample ID: FS-59

Lab Sample ID: 890-6878-59

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:32	07/03/24 20:15	1
Toluene	<0.00199	U	0.00199	mg/Kg		07/03/24 10:32	07/03/24 20:15	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		07/03/24 10:32	07/03/24 20:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		07/03/24 10:32	07/03/24 20:15	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/03/24 10:32	07/03/24 20:15	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/03/24 10:32	07/03/24 20:15	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	07/03/24 10:32	07/03/24 20:15	1
1,4-Difluorobenzene (Surr)	90		70 - 130	07/03/24 10:32	07/03/24 20:15	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			07/03/24 20:15	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			07/04/24 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	<49.7	U	49.7	mg/Kg		07/02/24 20:41	07/04/24 15:58	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		07/02/24 20:41	07/04/24 15:58	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		07/02/24 20:41	07/04/24 15:58	1

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-59

Lab Sample ID: 890-6878-59

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	07/02/24 20:41	07/04/24 15:58	1
o-Terphenyl	107		70 - 130	07/02/24 20:41	07/04/24 15:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	360		4.97	mg/Kg			07/08/24 12:25	1

Client Sample ID: FS-60

Lab Sample ID: 890-6878-60

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:32	07/03/24 20:36	1
Toluene	<0.00202	U	0.00202	mg/Kg		07/03/24 10:32	07/03/24 20:36	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		07/03/24 10:32	07/03/24 20:36	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		07/03/24 10:32	07/03/24 20:36	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		07/03/24 10:32	07/03/24 20:36	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		07/03/24 10:32	07/03/24 20:36	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	07/03/24 10:32	07/03/24 20:36	1
1,4-Difluorobenzene (Surr)	91		70 - 130	07/03/24 10:32	07/03/24 20:36	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			07/03/24 20:36	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			07/04/24 16:18	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	<49.7	U	49.7	mg/Kg		07/02/24 20:41	07/04/24 16:18	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		07/02/24 20:41	07/04/24 16:18	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		07/02/24 20:41	07/04/24 16:18	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130	07/02/24 20:41	07/04/24 16:18	1
o-Terphenyl	155	S1+	70 - 130	07/02/24 20:41	07/04/24 16:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	206		4.95	mg/Kg			07/08/24 12:32	1

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: SW-1

Lab Sample ID: 890-6878-61

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:47	07/03/24 15:27	1
Toluene	<0.00199	U	0.00199	mg/Kg		07/03/24 10:47	07/03/24 15:27	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		07/03/24 10:47	07/03/24 15:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		07/03/24 10:47	07/03/24 15:27	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/03/24 10:47	07/03/24 15:27	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/03/24 10:47	07/03/24 15:27	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	07/03/24 10:47	07/03/24 15:27	1
1,4-Difluorobenzene (Surr)	91		70 - 130	07/03/24 10:47	07/03/24 15:27	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			07/03/24 15:27	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			07/04/24 16:39	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	<49.8	U	49.8	mg/Kg		07/02/24 20:41	07/04/24 16:39	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		07/02/24 20:41	07/04/24 16:39	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/02/24 20:41	07/04/24 16:39	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130	07/02/24 20:41	07/04/24 16:39	1
o-Terphenyl	95		70 - 130	07/02/24 20:41	07/04/24 16:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	232		4.96	mg/Kg			07/08/24 12:39	1

Client Sample ID: SW-2

Lab Sample ID: 890-6878-62

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:47	07/03/24 15:48	1
Toluene	<0.00201	U	0.00201	mg/Kg		07/03/24 10:47	07/03/24 15:48	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		07/03/24 10:47	07/03/24 15:48	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		07/03/24 10:47	07/03/24 15:48	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		07/03/24 10:47	07/03/24 15:48	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		07/03/24 10:47	07/03/24 15:48	1

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: SW-2

Lab Sample ID: 890-6878-62

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	07/03/24 10:47	07/03/24 15:48	1
1,4-Difluorobenzene (Surr)	90		70 - 130	07/03/24 10:47	07/03/24 15:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			07/03/24 15:48	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			07/04/24 13:15	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	<50.0	U	50.0	mg/Kg		07/03/24 10:35	07/04/24 13:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/03/24 10:35	07/04/24 13:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/03/24 10:35	07/04/24 13:15	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	07/03/24 10:35	07/04/24 13:15	1
o-Terphenyl	90		70 - 130	07/03/24 10:35	07/04/24 13:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	68.0		5.02	mg/Kg			07/08/24 12:46	1

Client Sample ID: SW-3

Lab Sample ID: 890-6878-63

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:47	07/03/24 16:08	1
Toluene	<0.00202	U	0.00202	mg/Kg		07/03/24 10:47	07/03/24 16:08	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		07/03/24 10:47	07/03/24 16:08	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		07/03/24 10:47	07/03/24 16:08	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		07/03/24 10:47	07/03/24 16:08	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		07/03/24 10:47	07/03/24 16:08	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	07/03/24 10:47	07/03/24 16:08	1
1,4-Difluorobenzene (Surr)	90		70 - 130	07/03/24 10:47	07/03/24 16:08	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			07/03/24 16:08	1

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: SW-3

Lab Sample ID: 890-6878-63

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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			07/04/24 13:35	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	<49.7	U	49.7	mg/Kg		07/03/24 10:35	07/04/24 13:35	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		07/03/24 10:35	07/04/24 13:35	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		07/03/24 10:35	07/04/24 13:35	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	07/03/24 10:35	07/04/24 13:35	1
o-Terphenyl	95		70 - 130	07/03/24 10:35	07/04/24 13:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42.5		5.01	mg/Kg			07/08/24 12:53	1

Client Sample ID: SW-4

Lab Sample ID: 890-6878-64

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:47	07/03/24 17:42	1
Toluene	<0.00202	U	0.00202	mg/Kg		07/03/24 10:47	07/03/24 17:42	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		07/03/24 10:47	07/03/24 17:42	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		07/03/24 10:47	07/03/24 17:42	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		07/03/24 10:47	07/03/24 17:42	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		07/03/24 10:47	07/03/24 17:42	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	07/03/24 10:47	07/03/24 17:42	1
1,4-Difluorobenzene (Surr)	91		70 - 130	07/03/24 10:47	07/03/24 17:42	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			07/03/24 17:42	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			07/04/24 13:56	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		07/03/24 10:35	07/04/24 13:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/03/24 10:35	07/04/24 13:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/03/24 10:35	07/04/24 13:56	1

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: SW-4

Lab Sample ID: 890-6878-64

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	07/03/24 10:35	07/04/24 13:56	1
o-Terphenyl	103		70 - 130	07/03/24 10:35	07/04/24 13:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	101		4.98	mg/Kg			07/08/24 13:01	1

Client Sample ID: SW-5

Lab Sample ID: 890-6878-65

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:47	07/03/24 18:03	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:47	07/03/24 18:03	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:47	07/03/24 18:03	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		07/03/24 10:47	07/03/24 18:03	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:47	07/03/24 18:03	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		07/03/24 10:47	07/03/24 18:03	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	07/03/24 10:47	07/03/24 18:03	1
1,4-Difluorobenzene (Surr)	90		70 - 130	07/03/24 10:47	07/03/24 18:03	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			07/03/24 18:03	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			07/04/24 14:36	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	<49.9	U	49.9	mg/Kg		07/03/24 10:35	07/04/24 14:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		07/03/24 10:35	07/04/24 14:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		07/03/24 10:35	07/04/24 14:36	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130	07/03/24 10:35	07/04/24 14:36	1
o-Terphenyl	90		70 - 130	07/03/24 10:35	07/04/24 14:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	316		5.04	mg/Kg			07/08/24 13:08	1

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: SW-6

Lab Sample ID: 890-6878-66

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:47	07/03/24 18:23	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:47	07/03/24 18:23	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:47	07/03/24 18:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		07/03/24 10:47	07/03/24 18:23	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:47	07/03/24 18:23	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/03/24 10:47	07/03/24 18:23	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	07/03/24 10:47	07/03/24 18:23	1
1,4-Difluorobenzene (Surr)	90		70 - 130	07/03/24 10:47	07/03/24 18:23	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			07/03/24 18:23	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			07/04/24 14:57	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	<49.8	U	49.8	mg/Kg		07/03/24 10:35	07/04/24 14:57	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		07/03/24 10:35	07/04/24 14:57	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/03/24 10:35	07/04/24 14:57	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	07/03/24 10:35	07/04/24 14:57	1
o-Terphenyl	104		70 - 130	07/03/24 10:35	07/04/24 14:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18000	F1	101	mg/Kg			07/08/24 14:00	20

Client Sample ID: SW-7

Lab Sample ID: 890-6878-67

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:47	07/03/24 18:44	1
Toluene	<0.00199	U	0.00199	mg/Kg		07/03/24 10:47	07/03/24 18:44	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		07/03/24 10:47	07/03/24 18:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		07/03/24 10:47	07/03/24 18:44	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/03/24 10:47	07/03/24 18:44	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/03/24 10:47	07/03/24 18:44	1

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: SW-7

Lab Sample ID: 890-6878-67

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	07/03/24 10:47	07/03/24 18:44	1
1,4-Difluorobenzene (Surr)	85		70 - 130	07/03/24 10:47	07/03/24 18:44	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			07/03/24 18:44	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			07/04/24 15:17	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		07/03/24 10:35	07/04/24 15:17	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		07/03/24 10:35	07/04/24 15:17	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/03/24 10:35	07/04/24 15:17	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130	07/03/24 10:35	07/04/24 15:17	1
o-Terphenyl	118		70 - 130	07/03/24 10:35	07/04/24 15:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	149		5.04	mg/Kg			07/08/24 14:15	1

Client Sample ID: SW-8

Lab Sample ID: 890-6878-68

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:47	07/03/24 19:04	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:47	07/03/24 19:04	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:47	07/03/24 19:04	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		07/03/24 10:47	07/03/24 19:04	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:47	07/03/24 19:04	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		07/03/24 10:47	07/03/24 19:04	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	07/03/24 10:47	07/03/24 19:04	1
1,4-Difluorobenzene (Surr)	90		70 - 130	07/03/24 10:47	07/03/24 19:04	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			07/03/24 19:04	1

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: SW-8

Lab Sample ID: 890-6878-68

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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			07/04/24 15:37	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		07/03/24 10:35	07/04/24 15:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/03/24 10:35	07/04/24 15:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/03/24 10:35	07/04/24 15:37	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	07/03/24 10:35	07/04/24 15:37	1
o-Terphenyl	104		70 - 130	07/03/24 10:35	07/04/24 15:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	69.5		5.05	mg/Kg			07/08/24 14:21	1

Client Sample ID: SW-9

Lab Sample ID: 890-6878-69

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:47	07/03/24 19:25	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:47	07/03/24 19:25	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:47	07/03/24 19:25	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		07/03/24 10:47	07/03/24 19:25	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:47	07/03/24 19:25	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/03/24 10:47	07/03/24 19:25	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	07/03/24 10:47	07/03/24 19:25	1
1,4-Difluorobenzene (Surr)	91		70 - 130	07/03/24 10:47	07/03/24 19:25	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			07/03/24 19:25	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			07/04/24 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	<49.6	U	49.6	mg/Kg		07/03/24 10:35	07/04/24 15:58	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		07/03/24 10:35	07/04/24 15:58	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		07/03/24 10:35	07/04/24 15:58	1

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: SW-9

Lab Sample ID: 890-6878-69

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	07/03/24 10:35	07/04/24 15:58	1
o-Terphenyl	95		70 - 130	07/03/24 10:35	07/04/24 15:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	99.5		4.95	mg/Kg			07/08/24 14:36	1

Client Sample ID: SW-10

Lab Sample ID: 890-6878-70

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:47	07/03/24 19:45	1
Toluene	<0.00201	U	0.00201	mg/Kg		07/03/24 10:47	07/03/24 19:45	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		07/03/24 10:47	07/03/24 19:45	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		07/03/24 10:47	07/03/24 19:45	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		07/03/24 10:47	07/03/24 19:45	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		07/03/24 10:47	07/03/24 19:45	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	07/03/24 10:47	07/03/24 19:45	1
1,4-Difluorobenzene (Surr)	91		70 - 130	07/03/24 10:47	07/03/24 19:45	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			07/03/24 19:45	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			07/04/24 16:18	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	<49.8	U	49.8	mg/Kg		07/03/24 10:35	07/04/24 16:18	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		07/03/24 10:35	07/04/24 16:18	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/03/24 10:35	07/04/24 16:18	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	07/03/24 10:35	07/04/24 16:18	1
o-Terphenyl	96		70 - 130	07/03/24 10:35	07/04/24 16:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	342		4.97	mg/Kg			07/08/24 14:42	1

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-61

Lab Sample ID: 890-6878-71

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:47	07/03/24 20:06	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:47	07/03/24 20:06	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:47	07/03/24 20:06	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		07/03/24 10:47	07/03/24 20:06	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:47	07/03/24 20:06	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		07/03/24 10:47	07/03/24 20:06	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	07/03/24 10:47	07/03/24 20:06	1
1,4-Difluorobenzene (Surr)	91		70 - 130	07/03/24 10:47	07/03/24 20:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			07/03/24 20:06	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	mg/Kg			07/04/24 16:39	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	<49.7	U	49.7	mg/Kg		07/03/24 10:35	07/04/24 16:39	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		07/03/24 10:35	07/04/24 16:39	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		07/03/24 10:35	07/04/24 16:39	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	07/03/24 10:35	07/04/24 16:39	1
o-Terphenyl	107		70 - 130	07/03/24 10:35	07/04/24 16:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	145		5.02	mg/Kg			07/08/24 14:47	1

Client Sample ID: FS-62

Lab Sample ID: 890-6878-72

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 10:47	07/03/24 20:26	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:47	07/03/24 20:26	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:47	07/03/24 20:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		07/03/24 10:47	07/03/24 20:26	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:47	07/03/24 20:26	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/03/24 10:47	07/03/24 20:26	1

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-62

Lab Sample ID: 890-6878-72

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	07/03/24 10:47	07/03/24 20:26	1
1,4-Difluorobenzene (Surr)	91		70 - 130	07/03/24 10:47	07/03/24 20:26	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			07/03/24 20:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			07/04/24 16:59	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	<49.9	U	49.9	mg/Kg		07/03/24 10:35	07/04/24 16:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		07/03/24 10:35	07/04/24 16:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		07/03/24 10:35	07/04/24 16:59	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	07/03/24 10:35	07/04/24 16:59	1
o-Terphenyl	95		70 - 130	07/03/24 10:35	07/04/24 16:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	294		5.04	mg/Kg			07/08/24 14:52	1

Client Sample ID: FS-63

Lab Sample ID: 890-6878-73

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 08:57	07/03/24 18:01	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/03/24 08:57	07/03/24 18:01	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/03/24 08:57	07/03/24 18:01	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		07/03/24 08:57	07/03/24 18:01	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/03/24 08:57	07/03/24 18:01	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		07/03/24 08:57	07/03/24 18:01	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	07/03/24 08:57	07/03/24 18:01	1
1,4-Difluorobenzene (Surr)	107		70 - 130	07/03/24 08:57	07/03/24 18:01	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			07/03/24 18:01	1

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-63

Lab Sample ID: 890-6878-73

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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			07/04/24 17:19	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	<49.8	U	49.8	mg/Kg		07/03/24 10:35	07/04/24 17:19	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		07/03/24 10:35	07/04/24 17:19	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/03/24 10:35	07/04/24 17:19	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	07/03/24 10:35	07/04/24 17:19	1
o-Terphenyl	96		70 - 130	07/03/24 10:35	07/04/24 17:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	55.5		4.98	mg/Kg			07/08/24 14:57	1

Client Sample ID: SW-11

Lab Sample ID: 890-6878-74

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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		07/03/24 08:57	07/03/24 18:21	1
Toluene	<0.00201	U	0.00201	mg/Kg		07/03/24 08:57	07/03/24 18:21	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		07/03/24 08:57	07/03/24 18:21	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		07/03/24 08:57	07/03/24 18:21	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		07/03/24 08:57	07/03/24 18:21	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		07/03/24 08:57	07/03/24 18:21	1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130	07/03/24 08:57	07/03/24 18:21	1
1,4-Difluorobenzene (Surr)	116		70 - 130	07/03/24 08:57	07/03/24 18:21	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			07/03/24 18:21	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			07/04/24 17:40	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	<49.8	U	49.8	mg/Kg		07/03/24 10:35	07/04/24 17:40	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		07/03/24 10:35	07/04/24 17:40	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/03/24 10:35	07/04/24 17:40	1

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Client Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: SW-11
Date Collected: 06/27/24 10:00
Date Received: 07/02/24 15:56

Lab Sample ID: 890-6878-74
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)									
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	84		70 - 130			07/03/24 10:35	07/04/24 17:40	1	
o-Terphenyl	85		70 - 130			07/03/24 10:35	07/04/24 17:40	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	766		4.99	mg/Kg			07/08/24 15:02	1	

Surrogate Summary

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

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)
880-45585-A-5-B MS	Matrix Spike	119	99
880-45585-A-5-C MSD	Matrix Spike Duplicate	120	99
880-45592-A-1-D MS	Matrix Spike	103	92
880-45592-A-1-E MSD	Matrix Spike Duplicate	103	93
890-6878-1	FS-1	87	87
890-6878-1 MS	FS-1	100	103
890-6878-1 MSD	FS-1	103	106
890-6878-2	FS-2	85	91
890-6878-3	FS-3	89	84
890-6878-4	FS-4	83	77
890-6878-5	FS-5	92	90
890-6878-6	FS-6	81	87
890-6878-7	FS-7	92	83
890-6878-8	FS-8	91	85
890-6878-9	FS-9	93	83
890-6878-10	FS-10	93	87
890-6878-11	FS-11	81	85
890-6878-12	FS-12	82	87
890-6878-13	FS-13	80	83
890-6878-14	FS-14	73	82
890-6878-15	FS-15	87	81
890-6878-16	FS-16	85	86
890-6878-17	FS-17	74	85
890-6878-18	FS-18	83	83
890-6878-19	FS-19	82	84
890-6878-20	FS-20	86	92
890-6878-21	FS-21	109	85
890-6878-21 MS	FS-21	95	94
890-6878-21 MSD	FS-21	108	84
890-6878-22	FS-22	125	86
890-6878-23	FS-23	109	100
890-6878-24	FS-24	106	91
890-6878-25	FS-25	114	101
890-6878-26	FS-26	117	95
890-6878-27	FS-27	112	102
890-6878-28	FS-28	113	101
890-6878-29	FS-29	114	103
890-6878-30	FS-30	107	92
890-6878-31	FS-31	125	89
890-6878-32	FS-32	117	101
890-6878-33	FS-33	113	101
890-6878-34	FS-34	108	82
890-6878-35	FS-35	119	85
890-6878-36	FS-36	115	86
890-6878-37	FS-37	133 S1+	91
890-6878-38	FS-38	106	85
890-6878-39	FS-39	123	97
890-6878-40	FS-40	110	93
890-6878-41	FS-41	107	88

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Surrogate Summary

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

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)
890-6878-41 MS	FS-41	93	93
890-6878-41 MSD	FS-41	95	93
890-6878-42	FS-42	107	91
890-6878-43	FS-43	110	89
890-6878-44	FS-44	111	90
890-6878-45	FS-45	109	90
890-6878-46	FS-46	111	88
890-6878-47	FS-47	108	90
890-6878-48	FS-48	109	89
890-6878-49	FS-49	110	89
890-6878-50	FS-50	109	89
890-6878-51	FS-51	108	90
890-6878-52	FS-52	109	90
890-6878-53	FS-53	110	90
890-6878-54	FS-54	112	90
890-6878-55	FS-55	108	90
890-6878-56	FS-56	109	90
890-6878-57	FS-57	114	91
890-6878-58	FS-58	111	91
890-6878-59	FS-59	111	90
890-6878-60	FS-60	117	91
890-6878-61	SW-1	112	91
890-6878-62	SW-2	112	90
890-6878-63	SW-3	110	90
890-6878-64	SW-4	112	91
890-6878-65	SW-5	111	90
890-6878-66	SW-6	119	90
890-6878-67	SW-7	119	85
890-6878-68	SW-8	114	90
890-6878-69	SW-9	113	91
890-6878-70	SW-10	114	91
890-6878-71	FS-61	115	91
890-6878-72	FS-62	114	91
890-6878-73	FS-63	124	107
890-6878-74	SW-11	131 S1+	116
LCS 880-84945/1-A	Lab Control Sample	111	111
LCS 880-84953/1-A	Lab Control Sample	93	103
LCS 880-84957/1-A	Lab Control Sample	108	109
LCS 880-84958/1-A	Lab Control Sample	92	96
LCS 880-84960/1-A	Lab Control Sample	105	93
LCSD 880-84945/2-A	Lab Control Sample Dup	115	97
LCSD 880-84953/2-A	Lab Control Sample Dup	105	102
LCSD 880-84957/2-A	Lab Control Sample Dup	111	113
LCSD 880-84958/2-A	Lab Control Sample Dup	94	97
LCSD 880-84960/2-A	Lab Control Sample Dup	105	94
MB 880-84945/5-A	Method Blank	224 S1+	144 S1+
MB 880-84953/5-A	Method Blank	67 S1-	91
MB 880-84957/5-A	Method Blank	68 S1-	95
MB 880-84958/5-A	Method Blank	101	86
MB 880-84960/5-A	Method Blank	106	86

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Surrogate Summary

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

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)
880-45584-A-8-B MS	Matrix Spike	101	101
880-45584-A-8-C MSD	Matrix Spike Duplicate	109	112
880-45592-A-1-B MS	Matrix Spike	91	85
880-45592-A-1-C MSD	Matrix Spike Duplicate	88	83
890-6878-1	FS-1	97	105
890-6878-2	FS-2	101	115
890-6878-3	FS-3	108	122
890-6878-4	FS-4	94	106
890-6878-5	FS-5	101	109
890-6878-5 MS	FS-5	93	94
890-6878-5 MSD	FS-5	108	109
890-6878-6	FS-6	87	97
890-6878-7	FS-7	93	101
890-6878-8	FS-8	102	108
890-6878-9	FS-9	97	105
890-6878-10	FS-10	87	96
890-6878-11	FS-11	88	97
890-6878-12	FS-12	112	122
890-6878-13	FS-13	87	95
890-6878-14	FS-14	90	98
890-6878-15	FS-15	107	118
890-6878-16	FS-16	106	115
890-6878-17	FS-17	105	112
890-6878-18	FS-18	67 S1-	70
890-6878-19	FS-19	121	131 S1+
890-6878-20	FS-20	99	106
890-6878-21	FS-21	92	100
890-6878-22	FS-22	105	115
890-6878-23	FS-23	85	93
890-6878-24	FS-24	75	81
890-6878-25	FS-25	99	113
890-6878-25 MS	FS-25	109	119
890-6878-25 MSD	FS-25	107	112
890-6878-26	FS-26	103	118
890-6878-27	FS-27	111	128
890-6878-28	FS-28	113	130
890-6878-29	FS-29	107	122
890-6878-30	FS-30	113	127
890-6878-31	FS-31	117	130
890-6878-32	FS-32	111	129
890-6878-33	FS-33	108	120
890-6878-34	FS-34	140 S1+	158 S1+
890-6878-35	FS-35	103	114
890-6878-36	FS-36	135 S1+	153 S1+
890-6878-37	FS-37	105	120
890-6878-38	FS-38	110	119

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Surrogate Summary

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

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)
890-6878-39	FS-39	123	136 S1+
890-6878-40	FS-40	11 S1-	11 S1-
890-6878-41	FS-41	121	140 S1+
890-6878-42	FS-42	118	138 S1+
890-6878-43	FS-43	117	134 S1+
890-6878-44	FS-44	133 S1+	151 S1+
890-6878-45	FS-45	110	121
890-6878-45 MS	FS-45	96	96
890-6878-45 MSD	FS-45	105	104
890-6878-46	FS-46	91	105
890-6878-47	FS-47	105	117
890-6878-48	FS-48	100	113
890-6878-49	FS-49	97	109
890-6878-50	FS-50	94	106
890-6878-51	FS-51	113	128
890-6878-52	FS-52	109	122
890-6878-53	FS-53	118	134 S1+
890-6878-54	FS-54	116	132 S1+
890-6878-55	FS-55	100	115
890-6878-56	FS-56	116	133 S1+
890-6878-57	FS-57	112	132 S1+
890-6878-58	FS-58	110	127
890-6878-59	FS-59	95	107
890-6878-60	FS-60	135 S1+	155 S1+
890-6878-61	SW-1	85	95
890-6878-62	SW-2	88	90
890-6878-63	SW-3	93	95
890-6878-64	SW-4	100	103
890-6878-65	SW-5	85	90
890-6878-66	SW-6	101	104
890-6878-67	SW-7	114	118
890-6878-68	SW-8	100	104
890-6878-69	SW-9	93	95
890-6878-70	SW-10	95	96
890-6878-71	FS-61	103	107
890-6878-72	FS-62	92	95
890-6878-73	FS-63	92	96
890-6878-74	SW-11	84	85
LCS 880-84913/2-A	Lab Control Sample	125	132 S1+
LCS 880-84914/2-A	Lab Control Sample	72	74
LCS 880-84916/2-A	Lab Control Sample	123	132 S1+
LCS 880-84917/2-A	Lab Control Sample	93	96
LCS 880-84959/2-A	Lab Control Sample	124	116
LCSD 880-84913/3-A	Lab Control Sample Dup	119	125
LCSD 880-84914/3-A	Lab Control Sample Dup	85	88
LCSD 880-84916/3-A	Lab Control Sample Dup	114	119
LCSD 880-84917/3-A	Lab Control Sample Dup	89	91
LCSD 880-84959/3-A	Lab Control Sample Dup	112	107
MB 880-84913/1-A	Method Blank	85	101
MB 880-84914/1-A	Method Blank	72	80

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Surrogate Summary

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

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	OTPH1
		(70-130)	(70-130)
MB 880-84916/1-A	Method Blank	88	106
MB 880-84917/1-A	Method Blank	85	98
MB 880-84959/1-A	Method Blank	76	80
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-84945/5-A

Matrix: Solid

Analysis Batch: 84941

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 84945

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/03/24 08:57	07/03/24 11:55	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/03/24 08:57	07/03/24 11:55	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/03/24 08:57	07/03/24 11:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		07/03/24 08:57	07/03/24 11:55	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/03/24 08:57	07/03/24 11:55	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/03/24 08:57	07/03/24 11:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	224	S1+	70 - 130	07/03/24 08:57	07/03/24 11:55	1
1,4-Difluorobenzene (Surr)	144	S1+	70 - 130	07/03/24 08:57	07/03/24 11:55	1

Lab Sample ID: LCS 880-84945/1-A

Matrix: Solid

Analysis Batch: 84941

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 84945

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1196		mg/Kg		120	70 - 130
Toluene	0.100	0.09885		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.08689		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	0.200	0.2163		mg/Kg		108	70 - 130
o-Xylene	0.100	0.1140		mg/Kg		114	70 - 130

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

Lab Sample ID: LCSD 880-84945/2-A

Matrix: Solid

Analysis Batch: 84941

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 84945

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1180		mg/Kg		118	70 - 130	1	35
Toluene	0.100	0.09429		mg/Kg		94	70 - 130	5	35
Ethylbenzene	0.100	0.1002		mg/Kg		100	70 - 130	14	35
m-Xylene & p-Xylene	0.200	0.2242		mg/Kg		112	70 - 130	4	35
o-Xylene	0.100	0.1173		mg/Kg		117	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 880-45585-A-5-B MS

Matrix: Solid

Analysis Batch: 84941

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 84945

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00198	U	0.0998	0.1073		mg/Kg		107	70 - 130
Toluene	<0.00198	U	0.0998	0.09622		mg/Kg		96	70 - 130

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QC Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

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

Lab Sample ID: 880-45585-A-5-B MS

Matrix: Solid

Analysis Batch: 84941

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 84945

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00198	U	0.0998	0.09497		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	<0.00396	U	0.200	0.2129		mg/Kg		107	70 - 130
o-Xylene	<0.00198	U	0.0998	0.1085		mg/Kg		109	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 880-45585-A-5-C MSD

Matrix: Solid

Analysis Batch: 84941

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 84945

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00198	U	0.101	0.1177		mg/Kg		117	70 - 130	9	35
Toluene	<0.00198	U	0.101	0.09778		mg/Kg		97	70 - 130	2	35
Ethylbenzene	<0.00198	U	0.101	0.1047		mg/Kg		104	70 - 130	10	35
m-Xylene & p-Xylene	<0.00396	U	0.202	0.2347		mg/Kg		116	70 - 130	10	35
o-Xylene	<0.00198	U	0.101	0.1217		mg/Kg		121	70 - 130	11	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	120		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: MB 880-84953/5-A

Matrix: Solid

Analysis Batch: 84942

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 84953

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:20	07/03/24 12:37	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:20	07/03/24 12:37	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:20	07/03/24 12:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		07/03/24 10:20	07/03/24 12:37	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:20	07/03/24 12:37	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/03/24 10:20	07/03/24 12:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	67	S1-	70 - 130	07/03/24 10:20	07/03/24 12:37	1
1,4-Difluorobenzene (Surr)	91		70 - 130	07/03/24 10:20	07/03/24 12:37	1

Lab Sample ID: LCS 880-84953/1-A

Matrix: Solid

Analysis Batch: 84942

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 84953

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09668		mg/Kg		97	70 - 130
Toluene	0.100	0.08903		mg/Kg		89	70 - 130
Ethylbenzene	0.100	0.1141		mg/Kg		114	70 - 130
m-Xylene & p-Xylene	0.200	0.1915		mg/Kg		96	70 - 130

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QC Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

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

Lab Sample ID: LCS 880-84953/1-A

Matrix: Solid

Analysis Batch: 84942

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 84953

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.09088		mg/Kg		91	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-84953/2-A

Matrix: Solid

Analysis Batch: 84942

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 84953

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1018		mg/Kg		102	70 - 130	5	35
Toluene	0.100	0.08654		mg/Kg		87	70 - 130	3	35
Ethylbenzene	0.100	0.1090		mg/Kg		109	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.2007		mg/Kg		100	70 - 130	5	35
o-Xylene	0.100	0.09585		mg/Kg		96	70 - 130	5	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 890-6878-1 MS

Matrix: Solid

Analysis Batch: 84942

Client Sample ID: FS-1

Prep Type: Total/NA

Prep Batch: 84953

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.08762		mg/Kg		88	70 - 130
Toluene	<0.00201	U	0.100	0.09272		mg/Kg		93	70 - 130
Ethylbenzene	<0.00201	U	0.100	0.1004		mg/Kg		100	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1828		mg/Kg		91	70 - 130
o-Xylene	<0.00201	U	0.100	0.08622		mg/Kg		86	70 - 130

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

Lab Sample ID: 890-6878-1 MSD

Matrix: Solid

Analysis Batch: 84942

Client Sample ID: FS-1

Prep Type: Total/NA

Prep Batch: 84953

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00201	U	0.100	0.09314		mg/Kg		93	70 - 130	6	35
Toluene	<0.00201	U	0.100	0.07724		mg/Kg		77	70 - 130	18	35
Ethylbenzene	<0.00201	U	0.100	0.09913		mg/Kg		99	70 - 130	1	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1797		mg/Kg		90	70 - 130	2	35
o-Xylene	<0.00201	U	0.100	0.08536		mg/Kg		85	70 - 130	1	35

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QC Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

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

Lab Sample ID: 890-6878-1 MSD

Matrix: Solid

Analysis Batch: 84942

Client Sample ID: FS-1

Prep Type: Total/NA

Prep Batch: 84953

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: MB 880-84957/5-A

Matrix: Solid

Analysis Batch: 84940

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 84957

Analyte	MB	MB							
	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil	Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:26	07/03/24 12:57	1	
Toluene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:26	07/03/24 12:57	1	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:26	07/03/24 12:57	1	
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		07/03/24 10:26	07/03/24 12:57	1	
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:26	07/03/24 12:57	1	
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/03/24 10:26	07/03/24 12:57	1	

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac		
4-Bromofluorobenzene (Surr)	68	S1-	70 - 130	07/03/24 10:26	07/03/24 12:57	1			
1,4-Difluorobenzene (Surr)	95		70 - 130	07/03/24 10:26	07/03/24 12:57	1			

Lab Sample ID: LCS 880-84957/1-A

Matrix: Solid

Analysis Batch: 84940

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 84957

Analyte	Spike	LCS	LCS						
	Added	Result	Qualifier	Unit	D	%Rec	%Rec	Limits	
Benzene	0.100	0.1251		mg/Kg		125		70 - 130	
Toluene	0.100	0.1190		mg/Kg		119		70 - 130	
Ethylbenzene	0.100	0.1190		mg/Kg		119		70 - 130	
m-Xylene & p-Xylene	0.200	0.2591		mg/Kg		130		70 - 130	
o-Xylene	0.100	0.1250		mg/Kg		125		70 - 130	

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

Lab Sample ID: LCSD 880-84957/2-A

Matrix: Solid

Analysis Batch: 84940

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 84957

Analyte	Spike	LCSD	LCSD							
	Added	Result	Qualifier	Unit	D	%Rec	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1098		mg/Kg		110		70 - 130	13	35
Toluene	0.100	0.1053		mg/Kg		105		70 - 130	12	35
Ethylbenzene	0.100	0.1034		mg/Kg		103		70 - 130	14	35
m-Xylene & p-Xylene	0.200	0.2257		mg/Kg		113		70 - 130	14	35
o-Xylene	0.100	0.1106		mg/Kg		111		70 - 130	12	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130

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QC Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

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

Lab Sample ID: LCSD 880-84957/2-A

Matrix: Solid

Analysis Batch: 84940

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 84957

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

Lab Sample ID: 890-6878-21 MS

Matrix: Solid

Analysis Batch: 84940

Client Sample ID: FS-21

Prep Type: Total/NA

Prep Batch: 84957

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U F1	0.100	0.06854	F1	mg/Kg		69	70 - 130
Toluene	<0.00201	U F2 F1	0.100	0.06644	F1	mg/Kg		66	70 - 130
Ethylbenzene	<0.00201	U F2 F1	0.100	0.06356	F1	mg/Kg		64	70 - 130
m-Xylene & p-Xylene	<0.00402	U F2 F1	0.200	0.1376	F1	mg/Kg		69	70 - 130
o-Xylene	<0.00201	U F2 F1	0.100	0.06675	F1	mg/Kg		67	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 890-6878-21 MSD

Matrix: Solid

Analysis Batch: 84940

Client Sample ID: FS-21

Prep Type: Total/NA

Prep Batch: 84957

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U F1	0.100	0.09565		mg/Kg		96	70 - 130	33	35
Toluene	<0.00201	U F2 F1	0.100	0.09601	F2	mg/Kg		96	70 - 130	36	35
Ethylbenzene	<0.00201	U F2 F1	0.100	0.09206	F2	mg/Kg		92	70 - 130	37	35
m-Xylene & p-Xylene	<0.00402	U F2 F1	0.200	0.1993	F2	mg/Kg		100	70 - 130	37	35
o-Xylene	<0.00201	U F2 F1	0.100	0.09700	F2	mg/Kg		97	70 - 130	37	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	84		70 - 130

Lab Sample ID: MB 880-84958/5-A

Matrix: Solid

Analysis Batch: 84938

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 84958

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:32	07/03/24 12:42	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:32	07/03/24 12:42	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:32	07/03/24 12:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		07/03/24 10:32	07/03/24 12:42	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:32	07/03/24 12:42	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/03/24 10:32	07/03/24 12:42	1

	MB	MB						
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac		
4-Bromofluorobenzene (Surr)	101		70 - 130	07/03/24 10:32	07/03/24 12:42	1		
1,4-Difluorobenzene (Surr)	86		70 - 130	07/03/24 10:32	07/03/24 12:42	1		

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QC Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

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

Lab Sample ID: LCS 880-84958/1-A

Matrix: Solid

Analysis Batch: 84938

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 84958

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1039		mg/Kg		104	70 - 130
Toluene	0.100	0.08984		mg/Kg		90	70 - 130
Ethylbenzene	0.100	0.09090		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	0.200	0.1829		mg/Kg		91	70 - 130
o-Xylene	0.100	0.09174		mg/Kg		92	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: LCSD 880-84958/2-A

Matrix: Solid

Analysis Batch: 84938

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 84958

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1065		mg/Kg		106	70 - 130	2	35
Toluene	0.100	0.09284		mg/Kg		93	70 - 130	3	35
Ethylbenzene	0.100	0.09402		mg/Kg		94	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1891		mg/Kg		95	70 - 130	3	35
o-Xylene	0.100	0.09485		mg/Kg		95	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 890-6878-41 MS

Matrix: Solid

Analysis Batch: 84938

Client Sample ID: FS-41

Prep Type: Total/NA

Prep Batch: 84958

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.1005		mg/Kg		101	70 - 130
Toluene	<0.00201	U	0.100	0.09012		mg/Kg		90	70 - 130
Ethylbenzene	<0.00201	U	0.100	0.09089		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1844		mg/Kg		92	70 - 130
o-Xylene	<0.00201	U	0.100	0.09226		mg/Kg		92	70 - 130

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

Lab Sample ID: 890-6878-41 MSD

Matrix: Solid

Analysis Batch: 84938

Client Sample ID: FS-41

Prep Type: Total/NA

Prep Batch: 84958

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.1034		mg/Kg		103	70 - 130	3	35
Toluene	<0.00201	U	0.100	0.09281		mg/Kg		93	70 - 130	3	35
Ethylbenzene	<0.00201	U	0.100	0.09386		mg/Kg		94	70 - 130	3	35

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QC Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

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

Lab Sample ID: 890-6878-41 MSD

Matrix: Solid

Analysis Batch: 84938

Client Sample ID: FS-41

Prep Type: Total/NA

Prep Batch: 84958

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1894		mg/Kg		95	70 - 130	3	35
o-Xylene	<0.00201	U	0.100	0.09485		mg/Kg		95	70 - 130	3	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	95		70 - 130								
1,4-Difluorobenzene (Surr)	93		70 - 130								

Lab Sample ID: MB 880-84960/5-A

Matrix: Solid

Analysis Batch: 84939

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 84960

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:47	07/03/24 12:42	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:47	07/03/24 12:42	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:47	07/03/24 12:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		07/03/24 10:47	07/03/24 12:42	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/03/24 10:47	07/03/24 12:42	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/03/24 10:47	07/03/24 12:42	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130			07/03/24 10:47	07/03/24 12:42	1
1,4-Difluorobenzene (Surr)	86		70 - 130			07/03/24 10:47	07/03/24 12:42	1

Lab Sample ID: LCS 880-84960/1-A

Matrix: Solid

Analysis Batch: 84939

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 84960

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09656		mg/Kg		97	70 - 130
Toluene	0.100	0.08957		mg/Kg		90	70 - 130
Ethylbenzene	0.100	0.08569		mg/Kg		86	70 - 130
m-Xylene & p-Xylene	0.200	0.1938		mg/Kg		97	70 - 130
o-Xylene	0.100	0.09708		mg/Kg		97	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	105		70 - 130				
1,4-Difluorobenzene (Surr)	93		70 - 130				

Lab Sample ID: LCSD 880-84960/2-A

Matrix: Solid

Analysis Batch: 84939

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 84960

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1071		mg/Kg		107	70 - 130	10	35
Toluene	0.100	0.09961		mg/Kg		100	70 - 130	11	35
Ethylbenzene	0.100	0.09525		mg/Kg		95	70 - 130	11	35
m-Xylene & p-Xylene	0.200	0.2130		mg/Kg		107	70 - 130	9	35
o-Xylene	0.100	0.1061		mg/Kg		106	70 - 130	9	35

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QC Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

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

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 880-45592-A-1-D MS

Matrix: Solid

Analysis Batch: 84939

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 84960

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.1009		mg/Kg		101	70 - 130
Toluene	<0.00201	U	0.100	0.09397		mg/Kg		94	70 - 130
Ethylbenzene	<0.00201	U	0.100	0.08966		mg/Kg		90	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2011		mg/Kg		101	70 - 130
o-Xylene	<0.00201	U	0.100	0.09976		mg/Kg		100	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: 880-45592-A-1-E MSD

Matrix: Solid

Analysis Batch: 84939

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 84960

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.09557		mg/Kg		96	70 - 130	5	35
Toluene	<0.00201	U	0.100	0.08782		mg/Kg		88	70 - 130	7	35
Ethylbenzene	<0.00201	U	0.100	0.08198		mg/Kg		82	70 - 130	9	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1821		mg/Kg		91	70 - 130	10	35
o-Xylene	<0.00201	U	0.100	0.09040		mg/Kg		90	70 - 130	10	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

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

Lab Sample ID: MB 880-84913/1-A

Matrix: Solid

Analysis Batch: 85001

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 84913

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		07/02/24 20:26	07/05/24 08:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/02/24 20:26	07/05/24 08:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/02/24 20:26	07/05/24 08:16	1

	MB	MB						
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac		
1-Chlorooctane	85		70 - 130	07/02/24 20:26	07/05/24 08:16	1		
o-Terphenyl	101		70 - 130	07/02/24 20:26	07/05/24 08:16	1		

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QC Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

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

Lab Sample ID: LCS 880-84913/2-A

Matrix: Solid

Analysis Batch: 85001

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 84913

Analyte			Spike	LCS	LCS				%Rec		
			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1155		mg/Kg		116	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1036		mg/Kg		104	70 - 130		
						</					

Lab Sample ID: LCSD 880-84913/3-A

Matrix: Solid

Analysis Batch: 85001

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 84913

Report Data: 03/05/2024											
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1149		mg/Kg		115	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	1000		mg/Kg		100	70 - 130	3	20
Surrogate	%Recovery	LCSD Qualifier	Limits								
1-Chlorooctane	119		70 - 130								
o-Terphenyl	125		70 - 130								

Lab Sample ID: 880-45584-A-8-B MS

Matrix: Solid

Analysis Batch: 85001

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 84913

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec		
	Result	Qualifier	Added	Result	Qualifier			Limits	Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	1066		mg/Kg		105	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U F1	997	619.3	F1	mg/Kg		62	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	101		70 - 130								
o-Terphenyl	101		70 - 130								

Lab Sample ID: 880-45584-A-8-C MSD

Matrix: Solid

Analysis Batch: 85001

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 84913

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	997	869.6		mg/Kg	-	85	70 - 130	20	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	997	689.4	F1	mg/Kg		69	70 - 130	11	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	109		70 - 130								

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QC Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

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

Lab Sample ID: 880-45584-A-8-C MSD
Matrix: Solid
Analysis Batch: 85001

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 84913

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	112		70 - 130

Lab Sample ID: MB 880-84914/1-A
Matrix: Solid
Analysis Batch: 85003

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 84914

Analyte	MB	MB							
	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		07/02/24 20:29	07/05/24 08:16	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/02/24 20:29	07/05/24 08:16	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/02/24 20:29	07/05/24 08:16	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	72		70 - 130			07/02/24 20:29	07/05/24 08:16	1	
<i>o</i> -Terphenyl	80		70 - 130			07/02/24 20:29	07/05/24 08:16	1	

Lab Sample ID: LCS 880-84914/2-A
Matrix: Solid
Analysis Batch: 85003

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 84914

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	848.1		mg/Kg		85	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	760.7		mg/Kg		76	70 - 130		
Surrogate		LCS	LCS						
	%Recovery	Qualifier	Limits						
1-Chlorooctane	72		70 - 130						
<i>o</i> -Terphenyl	74		70 - 130						

Lab Sample ID: LCSD 880-84914/3-A
Matrix: Solid
Analysis Batch: 85003

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 84914

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	933.8		mg/Kg		93	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	1000	844.7		mg/Kg		84	70 - 130	10	20
Surrogate		LCSD	LCSD						
	%Recovery	Qualifier	Limits						
1-Chlorooctane	85		70 - 130						
<i>o</i> -Terphenyl	88		70 - 130						

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QC Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

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

Lab Sample ID: 890-6878-5 MS
Matrix: Solid
Analysis Batch: 85003

Client Sample ID: FS-5
Prep Type: Total/NA
Prep Batch: 84914

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U F2	998	963.9		mg/Kg		95	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U F1	998	456.8	F1	mg/Kg		44	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	93		70 - 130						
o-Terphenyl	94		70 - 130						

Lab Sample ID: 890-6878-5 MSD
Matrix: Solid
Analysis Batch: 85003

Client Sample ID: FS-5
Prep Type: Total/NA
Prep Batch: 84914

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U F2	998	1230	F2	mg/Kg		122	70 - 130	24	20
Diesel Range Organics (Over C10-C28)	<49.8	U F1	998	541.9	F1	mg/Kg		53	70 - 130	17	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	108		70 - 130								
o-Terphenyl	109		70 - 130								

Lab Sample ID: MB 880-84916/1-A
Matrix: Solid
Analysis Batch: 85001

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 84916

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		07/02/24 20:38	07/05/24 20:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/02/24 20:38	07/05/24 20:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/02/24 20:38	07/05/24 20:34	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130			07/02/24 20:38	07/05/24 20:34	1
o-Terphenyl	106		70 - 130			07/02/24 20:38	07/05/24 20:34	1

Lab Sample ID: LCS 880-84916/2-A
Matrix: Solid
Analysis Batch: 85001

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 84916

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1161		mg/Kg		116	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1016		mg/Kg		102	70 - 130

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QC Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

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

Lab Sample ID: LCS 880-84916/2-A
Matrix: Solid
Analysis Batch: 85001

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 84916

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	123		70 - 130
o-Terphenyl	132	S1+	70 - 130

Lab Sample ID: LCSD 880-84916/3-A
Matrix: Solid
Analysis Batch: 85001

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 84916

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1142		mg/Kg		114	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	972.1		mg/Kg		97	70 - 130	4	20
Surrogate		LCSD	LCSD								
	%Recovery	Qualifier	Limits								
1-Chlorooctane	114		70 - 130								
o-Terphenyl	119		70 - 130								

Lab Sample ID: 890-6878-25 MS
Matrix: Solid
Analysis Batch: 85001

Client Sample ID: FS-25
Prep Type: Total/NA
Prep Batch: 84916

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	998	1027		mg/Kg		99	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.8	U F1	998	613.6	F1	mg/Kg		61	70 - 130		
Surrogate		MS	MS								
	%Recovery	Qualifier	Limits								
1-Chlorooctane	109		70 - 130								
o-Terphenyl	119		70 - 130								

Lab Sample ID: 890-6878-25 MSD
Matrix: Solid
Analysis Batch: 85001

Client Sample ID: FS-25
Prep Type: Total/NA
Prep Batch: 84916

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	998	1019		mg/Kg		98	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.8	U F1	998	592.5	F1	mg/Kg		59	70 - 130	3	20
Surrogate		MSD	MSD								
	%Recovery	Qualifier	Limits								
1-Chlorooctane	107		70 - 130								
o-Terphenyl	112		70 - 130								

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QC Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

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

Lab Sample ID: MB 880-84917/1-A

Matrix: Solid

Analysis Batch: 84998

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 84917

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		07/02/24 20:41	07/04/24 07:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/02/24 20:41	07/04/24 07:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/02/24 20:41	07/04/24 07:41	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130			07/02/24 20:41	07/04/24 07:41	1
o-Terphenyl	98		70 - 130			07/02/24 20:41	07/04/24 07:41	1

Lab Sample ID: LCS 880-84917/2-A

Matrix: Solid

Analysis Batch: 84998

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 84917

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	963.1		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	1000	980.1		mg/Kg		98	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	93		70 - 130				
o-Terphenyl	96		70 - 130				

Lab Sample ID: LCSD 880-84917/3-A

Matrix: Solid

Analysis Batch: 84998

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 84917

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	895.3		mg/Kg		90	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	1000	860.1		mg/Kg		86	70 - 130	13	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	89		70 - 130						
o-Terphenyl	91		70 - 130						

Lab Sample ID: 890-6878-45 MS

Matrix: Solid

Analysis Batch: 84998

Client Sample ID: FS-45

Prep Type: Total/NA

Prep Batch: 84917

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 F2	996	1231		mg/Kg		122	70 - 130
Diesel Range Organics (Over C10-C28)	54.5	F1	996	623.7	F1	mg/Kg		57	70 - 130

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QC Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

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

Lab Sample ID: 890-6878-45 MS

Matrix: Solid

Analysis Batch: 84998

Client Sample ID: FS-45

Prep Type: Total/NA

Prep Batch: 84917

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

Lab Sample ID: 890-6878-45 MSD

Matrix: Solid

Analysis Batch: 84998

Client Sample ID: FS-45

Prep Type: Total/NA

Prep Batch: 84917

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 F2	996	886.5	F2	mg/Kg		87	70 - 130	33	20
Diesel Range Organics (Over C10-C28)	54.5	F1	996	695.8	F1	mg/Kg		64	70 - 130	11	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	104		70 - 130

Lab Sample ID: MB 880-84959/1-A

Matrix: Solid

Analysis Batch: 84995

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 84959

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		07/03/24 10:35	07/04/24 07:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/03/24 10:35	07/04/24 07:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/03/24 10:35	07/04/24 07:41	1

	MB	MB		Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane	76		70 - 130	07/03/24 10:35	07/04/24 07:41	1
o-Terphenyl	80		70 - 130	07/03/24 10:35	07/04/24 07:41	1

Lab Sample ID: LCS 880-84959/2-A

Matrix: Solid

Analysis Batch: 84995

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 84959

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	945.8		mg/Kg		95	70 - 130
Diesel Range Organics (Over C10-C28)	1000	953.8		mg/Kg		95	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	124		70 - 130
o-Terphenyl	116		70 - 130

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QC Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

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

Lab Sample ID: LCSD 880-84959/3-A

Matrix: Solid

Analysis Batch: 84995

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 84959

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	907.2		mg/Kg		91	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	885.0		mg/Kg		88	70 - 130	7	20
	LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane	112		70 - 130						
o-Terphenyl	107		70 - 130						

Lab Sample ID: 880-45592-A-1-B MS

Matrix: Solid

Analysis Batch: 84995

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 84959

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	<49.9	U	994	961.5		mg/Kg		97	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U F1	994	502.2	F1	mg/Kg		46	70 - 130		
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	91		70 - 130								
o-Terphenyl	85		70 - 130								

Lab Sample ID: 880-45592-A-1-C MSD

Matrix: Solid

Analysis Batch: 84995

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 84959

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	994	931.5		mg/Kg		94	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	994	477.6	F1	mg/Kg		44	70 - 130	5	20
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	88		70 - 130								
o-Terphenyl	83		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-85013/1-A

Matrix: Solid

Analysis Batch: 85087

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			07/06/24 00:24	1

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QC Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-85013/2-A

Matrix: Solid

Analysis Batch: 85087

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	259.4		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-85013/3-A

Matrix: Solid

Analysis Batch: 85087

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	259.8		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 880-45585-A-5-F MS

Matrix: Solid

Analysis Batch: 85087

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1860	F1	1260	3410	F1	mg/Kg		124	90 - 110

Lab Sample ID: 880-45585-A-5-G MSD

Matrix: Solid

Analysis Batch: 85087

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1860	F1	1260	3420	F1	mg/Kg		124	90 - 110	0	20

Lab Sample ID: 880-45585-A-15-D MS

Matrix: Solid

Analysis Batch: 85087

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	54.1		249	326.1		mg/Kg		109	90 - 110

Lab Sample ID: 880-45585-A-15-E MSD

Matrix: Solid

Analysis Batch: 85087

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	54.1		249	327.0		mg/Kg		110	90 - 110	0	20

Lab Sample ID: MB 880-85010/1-A

Matrix: Solid

Analysis Batch: 85088

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			07/06/24 03:27	1

Lab Sample ID: LCS 880-85010/2-A

Matrix: Solid

Analysis Batch: 85088

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	260.1		mg/Kg		104	90 - 110

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QC Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-85010/3-A

Matrix: Solid

Analysis Batch: 85088

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	260.8		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 890-6878-26 MS

Matrix: Solid

Analysis Batch: 85088

Client Sample ID: FS-26

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2560	F1	1250	3967	F1	mg/Kg		113	90 - 110		

Lab Sample ID: 890-6878-26 MSD

Matrix: Solid

Analysis Batch: 85088

Client Sample ID: FS-26

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2560	F1	1250	3974	F1	mg/Kg		114	90 - 110	0	20

Lab Sample ID: 890-6878-36 MS

Matrix: Solid

Analysis Batch: 85088

Client Sample ID: FS-36

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1860		1240	2991		mg/Kg		91	90 - 110		

Lab Sample ID: 890-6878-36 MSD

Matrix: Solid

Analysis Batch: 85088

Client Sample ID: FS-36

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1860		1240	2984		mg/Kg		91	90 - 110	0	20

Lab Sample ID: MB 880-85011/1-A

Matrix: Solid

Analysis Batch: 85119

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			07/08/24 09:32	1

Lab Sample ID: LCS 880-85011/2-A

Matrix: Solid

Analysis Batch: 85119

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	238.4		mg/Kg		95	90 - 110		

Lab Sample ID: LCSD 880-85011/3-A

Matrix: Solid

Analysis Batch: 85119

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	234.1		mg/Kg		94	90 - 110	2	20

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QC Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-6878-46 MS

Matrix: Solid

Analysis Batch: 85119

Client Sample ID: FS-46

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	3350		1250	4691		mg/Kg		108	90 - 110		

Lab Sample ID: 890-6878-46 MSD

Matrix: Solid

Analysis Batch: 85119

Client Sample ID: FS-46

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3350		1250	4487		mg/Kg		91	90 - 110	4	20

Lab Sample ID: 890-6878-56 MS

Matrix: Solid

Analysis Batch: 85119

Client Sample ID: FS-56

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	1640	F1	1250	3198	F1	mg/Kg		125	90 - 110		

Lab Sample ID: 890-6878-56 MSD

Matrix: Solid

Analysis Batch: 85119

Client Sample ID: FS-56

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1640	F1	1250	3235	F1	mg/Kg		127	90 - 110	1	20

Lab Sample ID: MB 880-85009/1-A

Matrix: Solid

Analysis Batch: 85122

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			07/08/24 13:45	1

Lab Sample ID: LCS 880-85009/2-A

Matrix: Solid

Analysis Batch: 85122

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	256.6		mg/Kg		103	90 - 110		

Lab Sample ID: LCSD 880-85009/3-A

Matrix: Solid

Analysis Batch: 85122

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	247.7		mg/Kg		99	90 - 110	4	20

Lab Sample ID: 890-6878-6 MS

Matrix: Solid

Analysis Batch: 85122

Client Sample ID: FS-6

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	1080		249	1256	4	mg/Kg		71	90 - 110		

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QC Sample Results

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-6878-6 MSD

Matrix: Solid

Analysis Batch: 85122

Client Sample ID: FS-6

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1080		249	1249	4	mg/Kg		68	90 - 110	1	20

Lab Sample ID: 890-6878-16 MS

Matrix: Solid

Analysis Batch: 85122

Client Sample ID: FS-16

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	595		250	826.8		mg/Kg		93	90 - 110		

Lab Sample ID: 890-6878-16 MSD

Matrix: Solid

Analysis Batch: 85122

Client Sample ID: FS-16

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	595		250	820.1		mg/Kg		90	90 - 110	1	20

Lab Sample ID: MB 880-85090/1-A

Matrix: Solid

Analysis Batch: 85128

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			07/08/24 12:31	1

Lab Sample ID: LCS 880-85090/2-A

Matrix: Solid

Analysis Batch: 85128

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 880-85090/3-A

Matrix: Solid

Analysis Batch: 85128

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	250.5		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 890-6878-66 MS

Matrix: Solid

Analysis Batch: 85128

Client Sample ID: SW-6

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	18000	F1	5030	23970	F1	mg/Kg		120	90 - 110		

Lab Sample ID: 890-6878-66 MSD

Matrix: Solid

Analysis Batch: 85128

Client Sample ID: SW-6

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	18000	F1	5030	24010	F1	mg/Kg		120	90 - 110	0	20

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QC Association Summary

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

GC VOA

Analysis Batch: 84938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6878-41	FS-41	Total/NA	Solid	8021B	84958
890-6878-42	FS-42	Total/NA	Solid	8021B	84958
890-6878-43	FS-43	Total/NA	Solid	8021B	84958
890-6878-44	FS-44	Total/NA	Solid	8021B	84958
890-6878-45	FS-45	Total/NA	Solid	8021B	84958
890-6878-46	FS-46	Total/NA	Solid	8021B	84958
890-6878-47	FS-47	Total/NA	Solid	8021B	84958
890-6878-48	FS-48	Total/NA	Solid	8021B	84958
890-6878-49	FS-49	Total/NA	Solid	8021B	84958
890-6878-50	FS-50	Total/NA	Solid	8021B	84958
890-6878-51	FS-51	Total/NA	Solid	8021B	84958
890-6878-52	FS-52	Total/NA	Solid	8021B	84958
890-6878-53	FS-53	Total/NA	Solid	8021B	84958
890-6878-54	FS-54	Total/NA	Solid	8021B	84958
890-6878-55	FS-55	Total/NA	Solid	8021B	84958
890-6878-56	FS-56	Total/NA	Solid	8021B	84958
890-6878-57	FS-57	Total/NA	Solid	8021B	84958
890-6878-58	FS-58	Total/NA	Solid	8021B	84958
890-6878-59	FS-59	Total/NA	Solid	8021B	84958
890-6878-60	FS-60	Total/NA	Solid	8021B	84958
MB 880-84958/5-A	Method Blank	Total/NA	Solid	8021B	84958
LCS 880-84958/1-A	Lab Control Sample	Total/NA	Solid	8021B	84958
LCSD 880-84958/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	84958
890-6878-41 MS	FS-41	Total/NA	Solid	8021B	84958
890-6878-41 MSD	FS-41	Total/NA	Solid	8021B	84958

Analysis Batch: 84939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6878-61	SW-1	Total/NA	Solid	8021B	84960
890-6878-62	SW-2	Total/NA	Solid	8021B	84960
890-6878-63	SW-3	Total/NA	Solid	8021B	84960
890-6878-64	SW-4	Total/NA	Solid	8021B	84960
890-6878-65	SW-5	Total/NA	Solid	8021B	84960
890-6878-66	SW-6	Total/NA	Solid	8021B	84960
890-6878-67	SW-7	Total/NA	Solid	8021B	84960
890-6878-68	SW-8	Total/NA	Solid	8021B	84960
890-6878-69	SW-9	Total/NA	Solid	8021B	84960
890-6878-70	SW-10	Total/NA	Solid	8021B	84960
890-6878-71	FS-61	Total/NA	Solid	8021B	84960
890-6878-72	FS-62	Total/NA	Solid	8021B	84960
MB 880-84960/5-A	Method Blank	Total/NA	Solid	8021B	84960
LCS 880-84960/1-A	Lab Control Sample	Total/NA	Solid	8021B	84960
LCSD 880-84960/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	84960
880-45592-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	84960
880-45592-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	84960

Analysis Batch: 84940

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6878-21	FS-21	Total/NA	Solid	8021B	84957
890-6878-22	FS-22	Total/NA	Solid	8021B	84957
890-6878-23	FS-23	Total/NA	Solid	8021B	84957

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QC Association Summary

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

GC VOA (Continued)

Analysis Batch: 84940 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6878-24	FS-24	Total/NA	Solid	8021B	84957
890-6878-25	FS-25	Total/NA	Solid	8021B	84957
890-6878-26	FS-26	Total/NA	Solid	8021B	84957
890-6878-27	FS-27	Total/NA	Solid	8021B	84957
890-6878-28	FS-28	Total/NA	Solid	8021B	84957
890-6878-29	FS-29	Total/NA	Solid	8021B	84957
890-6878-30	FS-30	Total/NA	Solid	8021B	84957
890-6878-31	FS-31	Total/NA	Solid	8021B	84957
890-6878-32	FS-32	Total/NA	Solid	8021B	84957
890-6878-33	FS-33	Total/NA	Solid	8021B	84957
890-6878-34	FS-34	Total/NA	Solid	8021B	84957
890-6878-35	FS-35	Total/NA	Solid	8021B	84957
890-6878-36	FS-36	Total/NA	Solid	8021B	84957
890-6878-37	FS-37	Total/NA	Solid	8021B	84957
890-6878-38	FS-38	Total/NA	Solid	8021B	84957
890-6878-39	FS-39	Total/NA	Solid	8021B	84957
890-6878-40	FS-40	Total/NA	Solid	8021B	84957
MB 880-84957/5-A	Method Blank	Total/NA	Solid	8021B	84957
LCS 880-84957/1-A	Lab Control Sample	Total/NA	Solid	8021B	84957
LCSD 880-84957/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	84957
890-6878-21 MS	FS-21	Total/NA	Solid	8021B	84957
890-6878-21 MSD	FS-21	Total/NA	Solid	8021B	84957

Analysis Batch: 84941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6878-73	FS-63	Total/NA	Solid	8021B	84945
890-6878-74	SW-11	Total/NA	Solid	8021B	84945
MB 880-84945/5-A	Method Blank	Total/NA	Solid	8021B	84945
LCS 880-84945/1-A	Lab Control Sample	Total/NA	Solid	8021B	84945
LCSD 880-84945/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	84945
880-45585-A-5-B MS	Matrix Spike	Total/NA	Solid	8021B	84945
880-45585-A-5-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	84945

Analysis Batch: 84942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6878-1	FS-1	Total/NA	Solid	8021B	84953
890-6878-2	FS-2	Total/NA	Solid	8021B	84953
890-6878-3	FS-3	Total/NA	Solid	8021B	84953
890-6878-4	FS-4	Total/NA	Solid	8021B	84953
890-6878-5	FS-5	Total/NA	Solid	8021B	84953
890-6878-6	FS-6	Total/NA	Solid	8021B	84953
890-6878-7	FS-7	Total/NA	Solid	8021B	84953
890-6878-8	FS-8	Total/NA	Solid	8021B	84953
890-6878-9	FS-9	Total/NA	Solid	8021B	84953
890-6878-10	FS-10	Total/NA	Solid	8021B	84953
890-6878-11	FS-11	Total/NA	Solid	8021B	84953
890-6878-12	FS-12	Total/NA	Solid	8021B	84953
890-6878-13	FS-13	Total/NA	Solid	8021B	84953
890-6878-14	FS-14	Total/NA	Solid	8021B	84953
890-6878-15	FS-15	Total/NA	Solid	8021B	84953
890-6878-16	FS-16	Total/NA	Solid	8021B	84953

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QC Association Summary

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

GC VOA (Continued)

Analysis Batch: 84942 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6878-17	FS-17	Total/NA	Solid	8021B	84953
890-6878-18	FS-18	Total/NA	Solid	8021B	84953
890-6878-19	FS-19	Total/NA	Solid	8021B	84953
890-6878-20	FS-20	Total/NA	Solid	8021B	84953
MB 880-84953/5-A	Method Blank	Total/NA	Solid	8021B	84953
LCS 880-84953/1-A	Lab Control Sample	Total/NA	Solid	8021B	84953
LCSD 880-84953/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	84953
890-6878-1 MS	FS-1	Total/NA	Solid	8021B	84953
890-6878-1 MSD	FS-1	Total/NA	Solid	8021B	84953

Prep Batch: 84945

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6878-73	FS-63	Total/NA	Solid	5035	
890-6878-74	SW-11	Total/NA	Solid	5035	
MB 880-84945/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-84945/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-84945/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-45585-A-5-B MS	Matrix Spike	Total/NA	Solid	5035	
880-45585-A-5-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 84953

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6878-1	FS-1	Total/NA	Solid	5035	
890-6878-2	FS-2	Total/NA	Solid	5035	
890-6878-3	FS-3	Total/NA	Solid	5035	
890-6878-4	FS-4	Total/NA	Solid	5035	
890-6878-5	FS-5	Total/NA	Solid	5035	
890-6878-6	FS-6	Total/NA	Solid	5035	
890-6878-7	FS-7	Total/NA	Solid	5035	
890-6878-8	FS-8	Total/NA	Solid	5035	
890-6878-9	FS-9	Total/NA	Solid	5035	
890-6878-10	FS-10	Total/NA	Solid	5035	
890-6878-11	FS-11	Total/NA	Solid	5035	
890-6878-12	FS-12	Total/NA	Solid	5035	
890-6878-13	FS-13	Total/NA	Solid	5035	
890-6878-14	FS-14	Total/NA	Solid	5035	
890-6878-15	FS-15	Total/NA	Solid	5035	
890-6878-16	FS-16	Total/NA	Solid	5035	
890-6878-17	FS-17	Total/NA	Solid	5035	
890-6878-18	FS-18	Total/NA	Solid	5035	
890-6878-19	FS-19	Total/NA	Solid	5035	
890-6878-20	FS-20	Total/NA	Solid	5035	
MB 880-84953/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-84953/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-84953/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-6878-1 MS	FS-1	Total/NA	Solid	5035	
890-6878-1 MSD	FS-1	Total/NA	Solid	5035	

Prep Batch: 84957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6878-21	FS-21	Total/NA	Solid	5035	

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QC Association Summary

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

GC VOA (Continued)

Prep Batch: 84957 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6878-22	FS-22	Total/NA	Solid	5035	
890-6878-23	FS-23	Total/NA	Solid	5035	
890-6878-24	FS-24	Total/NA	Solid	5035	
890-6878-25	FS-25	Total/NA	Solid	5035	
890-6878-26	FS-26	Total/NA	Solid	5035	
890-6878-27	FS-27	Total/NA	Solid	5035	
890-6878-28	FS-28	Total/NA	Solid	5035	
890-6878-29	FS-29	Total/NA	Solid	5035	
890-6878-30	FS-30	Total/NA	Solid	5035	
890-6878-31	FS-31	Total/NA	Solid	5035	
890-6878-32	FS-32	Total/NA	Solid	5035	
890-6878-33	FS-33	Total/NA	Solid	5035	
890-6878-34	FS-34	Total/NA	Solid	5035	
890-6878-35	FS-35	Total/NA	Solid	5035	
890-6878-36	FS-36	Total/NA	Solid	5035	
890-6878-37	FS-37	Total/NA	Solid	5035	
890-6878-38	FS-38	Total/NA	Solid	5035	
890-6878-39	FS-39	Total/NA	Solid	5035	
890-6878-40	FS-40	Total/NA	Solid	5035	
MB 880-84957/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-84957/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-84957/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-6878-21 MS	FS-21	Total/NA	Solid	5035	
890-6878-21 MSD	FS-21	Total/NA	Solid	5035	

Prep Batch: 84958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6878-41	FS-41	Total/NA	Solid	5035	
890-6878-42	FS-42	Total/NA	Solid	5035	
890-6878-43	FS-43	Total/NA	Solid	5035	
890-6878-44	FS-44	Total/NA	Solid	5035	
890-6878-45	FS-45	Total/NA	Solid	5035	
890-6878-46	FS-46	Total/NA	Solid	5035	
890-6878-47	FS-47	Total/NA	Solid	5035	
890-6878-48	FS-48	Total/NA	Solid	5035	
890-6878-49	FS-49	Total/NA	Solid	5035	
890-6878-50	FS-50	Total/NA	Solid	5035	
890-6878-51	FS-51	Total/NA	Solid	5035	
890-6878-52	FS-52	Total/NA	Solid	5035	
890-6878-53	FS-53	Total/NA	Solid	5035	
890-6878-54	FS-54	Total/NA	Solid	5035	
890-6878-55	FS-55	Total/NA	Solid	5035	
890-6878-56	FS-56	Total/NA	Solid	5035	
890-6878-57	FS-57	Total/NA	Solid	5035	
890-6878-58	FS-58	Total/NA	Solid	5035	
890-6878-59	FS-59	Total/NA	Solid	5035	
890-6878-60	FS-60	Total/NA	Solid	5035	
MB 880-84958/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-84958/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-84958/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-6878-41 MS	FS-41	Total/NA	Solid	5035	

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QC Association Summary

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

GC VOA (Continued)

Prep Batch: 84958 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6878-41 MSD	FS-41	Total/NA	Solid	5035	

Prep Batch: 84960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6878-61	SW-1	Total/NA	Solid	5035	
890-6878-62	SW-2	Total/NA	Solid	5035	
890-6878-63	SW-3	Total/NA	Solid	5035	
890-6878-64	SW-4	Total/NA	Solid	5035	
890-6878-65	SW-5	Total/NA	Solid	5035	
890-6878-66	SW-6	Total/NA	Solid	5035	
890-6878-67	SW-7	Total/NA	Solid	5035	
890-6878-68	SW-8	Total/NA	Solid	5035	
890-6878-69	SW-9	Total/NA	Solid	5035	
890-6878-70	SW-10	Total/NA	Solid	5035	
890-6878-71	FS-61	Total/NA	Solid	5035	
890-6878-72	FS-62	Total/NA	Solid	5035	
MB 880-84960/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-84960/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-84960/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-45592-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
880-45592-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 85075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6878-1	FS-1	Total/NA	Solid	Total BTEX	
890-6878-2	FS-2	Total/NA	Solid	Total BTEX	
890-6878-3	FS-3	Total/NA	Solid	Total BTEX	
890-6878-4	FS-4	Total/NA	Solid	Total BTEX	
890-6878-5	FS-5	Total/NA	Solid	Total BTEX	
890-6878-6	FS-6	Total/NA	Solid	Total BTEX	
890-6878-7	FS-7	Total/NA	Solid	Total BTEX	
890-6878-8	FS-8	Total/NA	Solid	Total BTEX	
890-6878-9	FS-9	Total/NA	Solid	Total BTEX	
890-6878-10	FS-10	Total/NA	Solid	Total BTEX	
890-6878-11	FS-11	Total/NA	Solid	Total BTEX	
890-6878-12	FS-12	Total/NA	Solid	Total BTEX	
890-6878-13	FS-13	Total/NA	Solid	Total BTEX	
890-6878-14	FS-14	Total/NA	Solid	Total BTEX	
890-6878-15	FS-15	Total/NA	Solid	Total BTEX	
890-6878-16	FS-16	Total/NA	Solid	Total BTEX	
890-6878-17	FS-17	Total/NA	Solid	Total BTEX	
890-6878-18	FS-18	Total/NA	Solid	Total BTEX	
890-6878-19	FS-19	Total/NA	Solid	Total BTEX	
890-6878-20	FS-20	Total/NA	Solid	Total BTEX	
890-6878-21	FS-21	Total/NA	Solid	Total BTEX	
890-6878-22	FS-22	Total/NA	Solid	Total BTEX	
890-6878-23	FS-23	Total/NA	Solid	Total BTEX	
890-6878-24	FS-24	Total/NA	Solid	Total BTEX	
890-6878-25	FS-25	Total/NA	Solid	Total BTEX	
890-6878-26	FS-26	Total/NA	Solid	Total BTEX	
890-6878-27	FS-27	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

GC VOA (Continued)

Analysis Batch: 85075 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6878-28	FS-28	Total/NA	Solid	Total BTEX	
890-6878-29	FS-29	Total/NA	Solid	Total BTEX	
890-6878-30	FS-30	Total/NA	Solid	Total BTEX	
890-6878-31	FS-31	Total/NA	Solid	Total BTEX	
890-6878-32	FS-32	Total/NA	Solid	Total BTEX	
890-6878-33	FS-33	Total/NA	Solid	Total BTEX	
890-6878-34	FS-34	Total/NA	Solid	Total BTEX	
890-6878-35	FS-35	Total/NA	Solid	Total BTEX	
890-6878-36	FS-36	Total/NA	Solid	Total BTEX	
890-6878-37	FS-37	Total/NA	Solid	Total BTEX	
890-6878-38	FS-38	Total/NA	Solid	Total BTEX	
890-6878-39	FS-39	Total/NA	Solid	Total BTEX	
890-6878-40	FS-40	Total/NA	Solid	Total BTEX	
890-6878-41	FS-41	Total/NA	Solid	Total BTEX	
890-6878-42	FS-42	Total/NA	Solid	Total BTEX	
890-6878-43	FS-43	Total/NA	Solid	Total BTEX	
890-6878-44	FS-44	Total/NA	Solid	Total BTEX	
890-6878-45	FS-45	Total/NA	Solid	Total BTEX	
890-6878-46	FS-46	Total/NA	Solid	Total BTEX	
890-6878-47	FS-47	Total/NA	Solid	Total BTEX	
890-6878-48	FS-48	Total/NA	Solid	Total BTEX	
890-6878-49	FS-49	Total/NA	Solid	Total BTEX	
890-6878-50	FS-50	Total/NA	Solid	Total BTEX	
890-6878-51	FS-51	Total/NA	Solid	Total BTEX	
890-6878-52	FS-52	Total/NA	Solid	Total BTEX	
890-6878-53	FS-53	Total/NA	Solid	Total BTEX	
890-6878-54	FS-54	Total/NA	Solid	Total BTEX	
890-6878-55	FS-55	Total/NA	Solid	Total BTEX	
890-6878-56	FS-56	Total/NA	Solid	Total BTEX	
890-6878-57	FS-57	Total/NA	Solid	Total BTEX	
890-6878-58	FS-58	Total/NA	Solid	Total BTEX	
890-6878-59	FS-59	Total/NA	Solid	Total BTEX	
890-6878-60	FS-60	Total/NA	Solid	Total BTEX	
890-6878-61	SW-1	Total/NA	Solid	Total BTEX	
890-6878-62	SW-2	Total/NA	Solid	Total BTEX	
890-6878-63	SW-3	Total/NA	Solid	Total BTEX	
890-6878-64	SW-4	Total/NA	Solid	Total BTEX	
890-6878-65	SW-5	Total/NA	Solid	Total BTEX	
890-6878-66	SW-6	Total/NA	Solid	Total BTEX	
890-6878-67	SW-7	Total/NA	Solid	Total BTEX	
890-6878-68	SW-8	Total/NA	Solid	Total BTEX	
890-6878-69	SW-9	Total/NA	Solid	Total BTEX	
890-6878-70	SW-10	Total/NA	Solid	Total BTEX	
890-6878-71	FS-61	Total/NA	Solid	Total BTEX	
890-6878-72	FS-62	Total/NA	Solid	Total BTEX	
890-6878-73	FS-63	Total/NA	Solid	Total BTEX	
890-6878-74	SW-11	Total/NA	Solid	Total BTEX	

Eurofins Carlsbad

QC Association Summary

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

GC Semi VOA

Prep Batch: 84913

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6878-1	FS-1	Total/NA	Solid	8015NM Prep	
890-6878-2	FS-2	Total/NA	Solid	8015NM Prep	
890-6878-3	FS-3	Total/NA	Solid	8015NM Prep	
890-6878-4	FS-4	Total/NA	Solid	8015NM Prep	
MB 880-84913/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-84913/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-84913/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-45584-A-8-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-45584-A-8-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 84914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6878-5	FS-5	Total/NA	Solid	8015NM Prep	
890-6878-6	FS-6	Total/NA	Solid	8015NM Prep	
890-6878-7	FS-7	Total/NA	Solid	8015NM Prep	
890-6878-8	FS-8	Total/NA	Solid	8015NM Prep	
890-6878-9	FS-9	Total/NA	Solid	8015NM Prep	
890-6878-10	FS-10	Total/NA	Solid	8015NM Prep	
890-6878-11	FS-11	Total/NA	Solid	8015NM Prep	
890-6878-12	FS-12	Total/NA	Solid	8015NM Prep	
890-6878-13	FS-13	Total/NA	Solid	8015NM Prep	
890-6878-14	FS-14	Total/NA	Solid	8015NM Prep	
890-6878-15	FS-15	Total/NA	Solid	8015NM Prep	
890-6878-16	FS-16	Total/NA	Solid	8015NM Prep	
890-6878-17	FS-17	Total/NA	Solid	8015NM Prep	
890-6878-18	FS-18	Total/NA	Solid	8015NM Prep	
890-6878-19	FS-19	Total/NA	Solid	8015NM Prep	
890-6878-20	FS-20	Total/NA	Solid	8015NM Prep	
890-6878-21	FS-21	Total/NA	Solid	8015NM Prep	
890-6878-22	FS-22	Total/NA	Solid	8015NM Prep	
890-6878-23	FS-23	Total/NA	Solid	8015NM Prep	
890-6878-24	FS-24	Total/NA	Solid	8015NM Prep	
MB 880-84914/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-84914/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-84914/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6878-5 MS	FS-5	Total/NA	Solid	8015NM Prep	
890-6878-5 MSD	FS-5	Total/NA	Solid	8015NM Prep	

Prep Batch: 84916

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6878-25	FS-25	Total/NA	Solid	8015NM Prep	
890-6878-26	FS-26	Total/NA	Solid	8015NM Prep	
890-6878-27	FS-27	Total/NA	Solid	8015NM Prep	
890-6878-28	FS-28	Total/NA	Solid	8015NM Prep	
890-6878-29	FS-29	Total/NA	Solid	8015NM Prep	
890-6878-30	FS-30	Total/NA	Solid	8015NM Prep	
890-6878-31	FS-31	Total/NA	Solid	8015NM Prep	
890-6878-32	FS-32	Total/NA	Solid	8015NM Prep	
890-6878-33	FS-33	Total/NA	Solid	8015NM Prep	
890-6878-34	FS-34	Total/NA	Solid	8015NM Prep	
890-6878-35	FS-35	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

GC Semi VOA (Continued)

Prep Batch: 84916 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6878-36	FS-36	Total/NA	Solid	8015NM Prep	
890-6878-37	FS-37	Total/NA	Solid	8015NM Prep	
890-6878-38	FS-38	Total/NA	Solid	8015NM Prep	
890-6878-39	FS-39	Total/NA	Solid	8015NM Prep	
890-6878-40	FS-40	Total/NA	Solid	8015NM Prep	
890-6878-41	FS-41	Total/NA	Solid	8015NM Prep	
890-6878-42	FS-42	Total/NA	Solid	8015NM Prep	
890-6878-43	FS-43	Total/NA	Solid	8015NM Prep	
890-6878-44	FS-44	Total/NA	Solid	8015NM Prep	
MB 880-84916/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-84916/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-84916/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6878-25 MS	FS-25	Total/NA	Solid	8015NM Prep	
890-6878-25 MSD	FS-25	Total/NA	Solid	8015NM Prep	

Prep Batch: 84917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6878-45	FS-45	Total/NA	Solid	8015NM Prep	
890-6878-46	FS-46	Total/NA	Solid	8015NM Prep	
890-6878-47	FS-47	Total/NA	Solid	8015NM Prep	
890-6878-48	FS-48	Total/NA	Solid	8015NM Prep	
890-6878-49	FS-49	Total/NA	Solid	8015NM Prep	
890-6878-50	FS-50	Total/NA	Solid	8015NM Prep	
890-6878-51	FS-51	Total/NA	Solid	8015NM Prep	
890-6878-52	FS-52	Total/NA	Solid	8015NM Prep	
890-6878-53	FS-53	Total/NA	Solid	8015NM Prep	
890-6878-54	FS-54	Total/NA	Solid	8015NM Prep	
890-6878-55	FS-55	Total/NA	Solid	8015NM Prep	
890-6878-56	FS-56	Total/NA	Solid	8015NM Prep	
890-6878-57	FS-57	Total/NA	Solid	8015NM Prep	
890-6878-58	FS-58	Total/NA	Solid	8015NM Prep	
890-6878-59	FS-59	Total/NA	Solid	8015NM Prep	
890-6878-60	FS-60	Total/NA	Solid	8015NM Prep	
890-6878-61	SW-1	Total/NA	Solid	8015NM Prep	
MB 880-84917/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-84917/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-84917/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6878-45 MS	FS-45	Total/NA	Solid	8015NM Prep	
890-6878-45 MSD	FS-45	Total/NA	Solid	8015NM Prep	

Prep Batch: 84959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6878-62	SW-2	Total/NA	Solid	8015NM Prep	
890-6878-63	SW-3	Total/NA	Solid	8015NM Prep	
890-6878-64	SW-4	Total/NA	Solid	8015NM Prep	
890-6878-65	SW-5	Total/NA	Solid	8015NM Prep	
890-6878-66	SW-6	Total/NA	Solid	8015NM Prep	
890-6878-67	SW-7	Total/NA	Solid	8015NM Prep	
890-6878-68	SW-8	Total/NA	Solid	8015NM Prep	
890-6878-69	SW-9	Total/NA	Solid	8015NM Prep	
890-6878-70	SW-10	Total/NA	Solid	8015NM Prep	

Eurofins Carlsbad

QC Association Summary

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

GC Semi VOA (Continued)

Prep Batch: 84959 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6878-71	FS-61	Total/NA	Solid	8015NM Prep	
890-6878-72	FS-62	Total/NA	Solid	8015NM Prep	
890-6878-73	FS-63	Total/NA	Solid	8015NM Prep	
890-6878-74	SW-11	Total/NA	Solid	8015NM Prep	
MB 880-84959/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-84959/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-84959/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-45592-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-45592-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 84995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6878-62	SW-2	Total/NA	Solid	8015B NM	84959
890-6878-63	SW-3	Total/NA	Solid	8015B NM	84959
890-6878-64	SW-4	Total/NA	Solid	8015B NM	84959
890-6878-65	SW-5	Total/NA	Solid	8015B NM	84959
890-6878-66	SW-6	Total/NA	Solid	8015B NM	84959
890-6878-67	SW-7	Total/NA	Solid	8015B NM	84959
890-6878-68	SW-8	Total/NA	Solid	8015B NM	84959
890-6878-69	SW-9	Total/NA	Solid	8015B NM	84959
890-6878-70	SW-10	Total/NA	Solid	8015B NM	84959
890-6878-71	FS-61	Total/NA	Solid	8015B NM	84959
890-6878-72	FS-62	Total/NA	Solid	8015B NM	84959
890-6878-73	FS-63	Total/NA	Solid	8015B NM	84959
890-6878-74	SW-11	Total/NA	Solid	8015B NM	84959
MB 880-84959/1-A	Method Blank	Total/NA	Solid	8015B NM	84959
LCS 880-84959/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	84959
LCSD 880-84959/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	84959
880-45592-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	84959
880-45592-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	84959

Analysis Batch: 84998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6878-45	FS-45	Total/NA	Solid	8015B NM	84917
890-6878-46	FS-46	Total/NA	Solid	8015B NM	84917
890-6878-47	FS-47	Total/NA	Solid	8015B NM	84917
890-6878-48	FS-48	Total/NA	Solid	8015B NM	84917
890-6878-49	FS-49	Total/NA	Solid	8015B NM	84917
890-6878-50	FS-50	Total/NA	Solid	8015B NM	84917
890-6878-51	FS-51	Total/NA	Solid	8015B NM	84917
890-6878-52	FS-52	Total/NA	Solid	8015B NM	84917
890-6878-53	FS-53	Total/NA	Solid	8015B NM	84917
890-6878-54	FS-54	Total/NA	Solid	8015B NM	84917
890-6878-55	FS-55	Total/NA	Solid	8015B NM	84917
890-6878-56	FS-56	Total/NA	Solid	8015B NM	84917
890-6878-57	FS-57	Total/NA	Solid	8015B NM	84917
890-6878-58	FS-58	Total/NA	Solid	8015B NM	84917
890-6878-59	FS-59	Total/NA	Solid	8015B NM	84917
890-6878-60	FS-60	Total/NA	Solid	8015B NM	84917
890-6878-61	SW-1	Total/NA	Solid	8015B NM	84917
MB 880-84917/1-A	Method Blank	Total/NA	Solid	8015B NM	84917

Eurofins Carlsbad

QC Association Summary

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

GC Semi VOA (Continued)

Analysis Batch: 84998 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-84917/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	84917
LCSD 880-84917/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	84917
890-6878-45 MS	FS-45	Total/NA	Solid	8015B NM	84917
890-6878-45 MSD	FS-45	Total/NA	Solid	8015B NM	84917

Analysis Batch: 85001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6878-1	FS-1	Total/NA	Solid	8015B NM	84913
890-6878-2	FS-2	Total/NA	Solid	8015B NM	84913
890-6878-3	FS-3	Total/NA	Solid	8015B NM	84913
890-6878-4	FS-4	Total/NA	Solid	8015B NM	84913
890-6878-25	FS-25	Total/NA	Solid	8015B NM	84916
890-6878-26	FS-26	Total/NA	Solid	8015B NM	84916
890-6878-27	FS-27	Total/NA	Solid	8015B NM	84916
890-6878-28	FS-28	Total/NA	Solid	8015B NM	84916
890-6878-29	FS-29	Total/NA	Solid	8015B NM	84916
890-6878-30	FS-30	Total/NA	Solid	8015B NM	84916
890-6878-31	FS-31	Total/NA	Solid	8015B NM	84916
890-6878-32	FS-32	Total/NA	Solid	8015B NM	84916
890-6878-33	FS-33	Total/NA	Solid	8015B NM	84916
890-6878-34	FS-34	Total/NA	Solid	8015B NM	84916
890-6878-35	FS-35	Total/NA	Solid	8015B NM	84916
890-6878-36	FS-36	Total/NA	Solid	8015B NM	84916
890-6878-37	FS-37	Total/NA	Solid	8015B NM	84916
890-6878-38	FS-38	Total/NA	Solid	8015B NM	84916
890-6878-39	FS-39	Total/NA	Solid	8015B NM	84916
890-6878-40	FS-40	Total/NA	Solid	8015B NM	84916
890-6878-41	FS-41	Total/NA	Solid	8015B NM	84916
890-6878-42	FS-42	Total/NA	Solid	8015B NM	84916
890-6878-43	FS-43	Total/NA	Solid	8015B NM	84916
890-6878-44	FS-44	Total/NA	Solid	8015B NM	84916
MB 880-84913/1-A	Method Blank	Total/NA	Solid	8015B NM	84913
MB 880-84916/1-A	Method Blank	Total/NA	Solid	8015B NM	84916
LCS 880-84913/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	84913
LCS 880-84916/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	84916
LCSD 880-84913/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	84913
LCSD 880-84916/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	84916
880-45584-A-8-B MS	Matrix Spike	Total/NA	Solid	8015B NM	84913
880-45584-A-8-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	84913
890-6878-25 MS	FS-25	Total/NA	Solid	8015B NM	84916
890-6878-25 MSD	FS-25	Total/NA	Solid	8015B NM	84916

Analysis Batch: 85003

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6878-5	FS-5	Total/NA	Solid	8015B NM	84914
890-6878-6	FS-6	Total/NA	Solid	8015B NM	84914
890-6878-7	FS-7	Total/NA	Solid	8015B NM	84914
890-6878-8	FS-8	Total/NA	Solid	8015B NM	84914
890-6878-9	FS-9	Total/NA	Solid	8015B NM	84914
890-6878-10	FS-10	Total/NA	Solid	8015B NM	84914
890-6878-11	FS-11	Total/NA	Solid	8015B NM	84914

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QC Association Summary

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

GC Semi VOA (Continued)

Analysis Batch: 85003 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6878-12	FS-12	Total/NA	Solid	8015B NM	84914
890-6878-13	FS-13	Total/NA	Solid	8015B NM	84914
890-6878-14	FS-14	Total/NA	Solid	8015B NM	84914
890-6878-15	FS-15	Total/NA	Solid	8015B NM	84914
890-6878-16	FS-16	Total/NA	Solid	8015B NM	84914
890-6878-17	FS-17	Total/NA	Solid	8015B NM	84914
890-6878-18	FS-18	Total/NA	Solid	8015B NM	84914
890-6878-19	FS-19	Total/NA	Solid	8015B NM	84914
890-6878-20	FS-20	Total/NA	Solid	8015B NM	84914
890-6878-21	FS-21	Total/NA	Solid	8015B NM	84914
890-6878-22	FS-22	Total/NA	Solid	8015B NM	84914
890-6878-23	FS-23	Total/NA	Solid	8015B NM	84914
890-6878-24	FS-24	Total/NA	Solid	8015B NM	84914
MB 880-84914/1-A	Method Blank	Total/NA	Solid	8015B NM	84914
LCS 880-84914/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	84914
LCSD 880-84914/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	84914
890-6878-5 MS	FS-5	Total/NA	Solid	8015B NM	84914
890-6878-5 MSD	FS-5	Total/NA	Solid	8015B NM	84914

Analysis Batch: 85067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6878-1	FS-1	Total/NA	Solid	8015 NM	
890-6878-2	FS-2	Total/NA	Solid	8015 NM	
890-6878-3	FS-3	Total/NA	Solid	8015 NM	
890-6878-4	FS-4	Total/NA	Solid	8015 NM	
890-6878-5	FS-5	Total/NA	Solid	8015 NM	
890-6878-6	FS-6	Total/NA	Solid	8015 NM	
890-6878-7	FS-7	Total/NA	Solid	8015 NM	
890-6878-8	FS-8	Total/NA	Solid	8015 NM	
890-6878-9	FS-9	Total/NA	Solid	8015 NM	
890-6878-10	FS-10	Total/NA	Solid	8015 NM	
890-6878-11	FS-11	Total/NA	Solid	8015 NM	
890-6878-12	FS-12	Total/NA	Solid	8015 NM	
890-6878-13	FS-13	Total/NA	Solid	8015 NM	
890-6878-14	FS-14	Total/NA	Solid	8015 NM	
890-6878-15	FS-15	Total/NA	Solid	8015 NM	
890-6878-16	FS-16	Total/NA	Solid	8015 NM	
890-6878-17	FS-17	Total/NA	Solid	8015 NM	
890-6878-18	FS-18	Total/NA	Solid	8015 NM	
890-6878-19	FS-19	Total/NA	Solid	8015 NM	
890-6878-20	FS-20	Total/NA	Solid	8015 NM	
890-6878-21	FS-21	Total/NA	Solid	8015 NM	
890-6878-22	FS-22	Total/NA	Solid	8015 NM	
890-6878-23	FS-23	Total/NA	Solid	8015 NM	
890-6878-24	FS-24	Total/NA	Solid	8015 NM	
890-6878-25	FS-25	Total/NA	Solid	8015 NM	
890-6878-26	FS-26	Total/NA	Solid	8015 NM	
890-6878-27	FS-27	Total/NA	Solid	8015 NM	
890-6878-28	FS-28	Total/NA	Solid	8015 NM	
890-6878-29	FS-29	Total/NA	Solid	8015 NM	
890-6878-30	FS-30	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

GC Semi VOA (Continued)

Analysis Batch: 85067 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6878-31	FS-31	Total/NA	Solid	8015 NM	
890-6878-32	FS-32	Total/NA	Solid	8015 NM	
890-6878-33	FS-33	Total/NA	Solid	8015 NM	
890-6878-34	FS-34	Total/NA	Solid	8015 NM	
890-6878-35	FS-35	Total/NA	Solid	8015 NM	
890-6878-36	FS-36	Total/NA	Solid	8015 NM	
890-6878-37	FS-37	Total/NA	Solid	8015 NM	
890-6878-38	FS-38	Total/NA	Solid	8015 NM	
890-6878-39	FS-39	Total/NA	Solid	8015 NM	
890-6878-40	FS-40	Total/NA	Solid	8015 NM	
890-6878-41	FS-41	Total/NA	Solid	8015 NM	
890-6878-42	FS-42	Total/NA	Solid	8015 NM	
890-6878-43	FS-43	Total/NA	Solid	8015 NM	
890-6878-44	FS-44	Total/NA	Solid	8015 NM	
890-6878-45	FS-45	Total/NA	Solid	8015 NM	
890-6878-46	FS-46	Total/NA	Solid	8015 NM	
890-6878-47	FS-47	Total/NA	Solid	8015 NM	
890-6878-48	FS-48	Total/NA	Solid	8015 NM	
890-6878-49	FS-49	Total/NA	Solid	8015 NM	
890-6878-50	FS-50	Total/NA	Solid	8015 NM	
890-6878-51	FS-51	Total/NA	Solid	8015 NM	
890-6878-52	FS-52	Total/NA	Solid	8015 NM	
890-6878-53	FS-53	Total/NA	Solid	8015 NM	
890-6878-54	FS-54	Total/NA	Solid	8015 NM	
890-6878-55	FS-55	Total/NA	Solid	8015 NM	
890-6878-56	FS-56	Total/NA	Solid	8015 NM	
890-6878-57	FS-57	Total/NA	Solid	8015 NM	
890-6878-58	FS-58	Total/NA	Solid	8015 NM	
890-6878-59	FS-59	Total/NA	Solid	8015 NM	
890-6878-60	FS-60	Total/NA	Solid	8015 NM	
890-6878-61	SW-1	Total/NA	Solid	8015 NM	
890-6878-62	SW-2	Total/NA	Solid	8015 NM	
890-6878-63	SW-3	Total/NA	Solid	8015 NM	
890-6878-64	SW-4	Total/NA	Solid	8015 NM	
890-6878-65	SW-5	Total/NA	Solid	8015 NM	
890-6878-66	SW-6	Total/NA	Solid	8015 NM	
890-6878-67	SW-7	Total/NA	Solid	8015 NM	
890-6878-68	SW-8	Total/NA	Solid	8015 NM	
890-6878-69	SW-9	Total/NA	Solid	8015 NM	
890-6878-70	SW-10	Total/NA	Solid	8015 NM	
890-6878-71	FS-61	Total/NA	Solid	8015 NM	
890-6878-72	FS-62	Total/NA	Solid	8015 NM	
890-6878-73	FS-63	Total/NA	Solid	8015 NM	
890-6878-74	SW-11	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 85009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6878-6	FS-6	Soluble	Solid	DI Leach	
890-6878-7	FS-7	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

HPLC/IC (Continued)

Leach Batch: 85009 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6878-8	FS-8	Soluble	Solid	DI Leach	
890-6878-9	FS-9	Soluble	Solid	DI Leach	
890-6878-10	FS-10	Soluble	Solid	DI Leach	
890-6878-11	FS-11	Soluble	Solid	DI Leach	
890-6878-12	FS-12	Soluble	Solid	DI Leach	
890-6878-13	FS-13	Soluble	Solid	DI Leach	
890-6878-14	FS-14	Soluble	Solid	DI Leach	
890-6878-16	FS-16	Soluble	Solid	DI Leach	
890-6878-17	FS-17	Soluble	Solid	DI Leach	
890-6878-18	FS-18	Soluble	Solid	DI Leach	
890-6878-19	FS-19	Soluble	Solid	DI Leach	
890-6878-20	FS-20	Soluble	Solid	DI Leach	
890-6878-21	FS-21	Soluble	Solid	DI Leach	
890-6878-22	FS-22	Soluble	Solid	DI Leach	
890-6878-23	FS-23	Soluble	Solid	DI Leach	
890-6878-24	FS-24	Soluble	Solid	DI Leach	
890-6878-25	FS-25	Soluble	Solid	DI Leach	
MB 880-85009/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-85009/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-85009/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-6878-6 MS	FS-6	Soluble	Solid	DI Leach	
890-6878-6 MSD	FS-6	Soluble	Solid	DI Leach	
890-6878-16 MS	FS-16	Soluble	Solid	DI Leach	
890-6878-16 MSD	FS-16	Soluble	Solid	DI Leach	

Leach Batch: 85010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6878-26	FS-26	Soluble	Solid	DI Leach	
890-6878-27	FS-27	Soluble	Solid	DI Leach	
890-6878-28	FS-28	Soluble	Solid	DI Leach	
890-6878-29	FS-29	Soluble	Solid	DI Leach	
890-6878-30	FS-30	Soluble	Solid	DI Leach	
890-6878-31	FS-31	Soluble	Solid	DI Leach	
890-6878-32	FS-32	Soluble	Solid	DI Leach	
890-6878-33	FS-33	Soluble	Solid	DI Leach	
890-6878-34	FS-34	Soluble	Solid	DI Leach	
890-6878-35	FS-35	Soluble	Solid	DI Leach	
890-6878-36	FS-36	Soluble	Solid	DI Leach	
890-6878-37	FS-37	Soluble	Solid	DI Leach	
890-6878-38	FS-38	Soluble	Solid	DI Leach	
890-6878-39	FS-39	Soluble	Solid	DI Leach	
890-6878-40	FS-40	Soluble	Solid	DI Leach	
890-6878-41	FS-41	Soluble	Solid	DI Leach	
890-6878-42	FS-42	Soluble	Solid	DI Leach	
890-6878-43	FS-43	Soluble	Solid	DI Leach	
890-6878-44	FS-44	Soluble	Solid	DI Leach	
890-6878-45	FS-45	Soluble	Solid	DI Leach	
MB 880-85010/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-85010/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-85010/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-6878-26 MS	FS-26	Soluble	Solid	DI Leach	

Eurofins Carlsbad

QC Association Summary

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

HPLC/IC (Continued)

Leach Batch: 85010 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6878-26 MSD	FS-26	Soluble	Solid	DI Leach	
890-6878-36 MS	FS-36	Soluble	Solid	DI Leach	
890-6878-36 MSD	FS-36	Soluble	Solid	DI Leach	

Leach Batch: 85011

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6878-46	FS-46	Soluble	Solid	DI Leach	
890-6878-47	FS-47	Soluble	Solid	DI Leach	
890-6878-48	FS-48	Soluble	Solid	DI Leach	
890-6878-49	FS-49	Soluble	Solid	DI Leach	
890-6878-50	FS-50	Soluble	Solid	DI Leach	
890-6878-51	FS-51	Soluble	Solid	DI Leach	
890-6878-52	FS-52	Soluble	Solid	DI Leach	
890-6878-53	FS-53	Soluble	Solid	DI Leach	
890-6878-54	FS-54	Soluble	Solid	DI Leach	
890-6878-55	FS-55	Soluble	Solid	DI Leach	
890-6878-56	FS-56	Soluble	Solid	DI Leach	
890-6878-57	FS-57	Soluble	Solid	DI Leach	
890-6878-58	FS-58	Soluble	Solid	DI Leach	
890-6878-59	FS-59	Soluble	Solid	DI Leach	
890-6878-60	FS-60	Soluble	Solid	DI Leach	
890-6878-61	SW-1	Soluble	Solid	DI Leach	
890-6878-62	SW-2	Soluble	Solid	DI Leach	
890-6878-63	SW-3	Soluble	Solid	DI Leach	
890-6878-64	SW-4	Soluble	Solid	DI Leach	
890-6878-65	SW-5	Soluble	Solid	DI Leach	
MB 880-85011/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-85011/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-85011/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-6878-46 MS	FS-46	Soluble	Solid	DI Leach	
890-6878-46 MSD	FS-46	Soluble	Solid	DI Leach	
890-6878-56 MS	FS-56	Soluble	Solid	DI Leach	
890-6878-56 MSD	FS-56	Soluble	Solid	DI Leach	

Leach Batch: 85013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6878-1	FS-1	Soluble	Solid	DI Leach	
890-6878-2	FS-2	Soluble	Solid	DI Leach	
890-6878-4	FS-4	Soluble	Solid	DI Leach	
890-6878-5	FS-5	Soluble	Solid	DI Leach	
MB 880-85013/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-85013/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-85013/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-45585-A-5-F MS	Matrix Spike	Soluble	Solid	DI Leach	
880-45585-A-5-G MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
880-45585-A-15-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-45585-A-15-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 85087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6878-1	FS-1	Soluble	Solid	300.0	85013

Eurofins Carlsbad

QC Association Summary

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

HPLC/IC (Continued)

Analysis Batch: 85087 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6878-2	FS-2	Soluble	Solid	300.0	85013
890-6878-4	FS-4	Soluble	Solid	300.0	85013
890-6878-5	FS-5	Soluble	Solid	300.0	85013
MB 880-85013/1-A	Method Blank	Soluble	Solid	300.0	85013
LCS 880-85013/2-A	Lab Control Sample	Soluble	Solid	300.0	85013
LCSD 880-85013/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	85013
880-45585-A-5-F MS	Matrix Spike	Soluble	Solid	300.0	85013
880-45585-A-5-G MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	85013
880-45585-A-15-D MS	Matrix Spike	Soluble	Solid	300.0	85013
880-45585-A-15-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	85013

Analysis Batch: 85088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6878-26	FS-26	Soluble	Solid	300.0	85010
890-6878-27	FS-27	Soluble	Solid	300.0	85010
890-6878-28	FS-28	Soluble	Solid	300.0	85010
890-6878-29	FS-29	Soluble	Solid	300.0	85010
890-6878-30	FS-30	Soluble	Solid	300.0	85010
890-6878-31	FS-31	Soluble	Solid	300.0	85010
890-6878-32	FS-32	Soluble	Solid	300.0	85010
890-6878-33	FS-33	Soluble	Solid	300.0	85010
890-6878-34	FS-34	Soluble	Solid	300.0	85010
890-6878-35	FS-35	Soluble	Solid	300.0	85010
890-6878-36	FS-36	Soluble	Solid	300.0	85010
890-6878-37	FS-37	Soluble	Solid	300.0	85010
890-6878-38	FS-38	Soluble	Solid	300.0	85010
890-6878-39	FS-39	Soluble	Solid	300.0	85010
890-6878-40	FS-40	Soluble	Solid	300.0	85010
890-6878-41	FS-41	Soluble	Solid	300.0	85010
890-6878-42	FS-42	Soluble	Solid	300.0	85010
890-6878-43	FS-43	Soluble	Solid	300.0	85010
890-6878-44	FS-44	Soluble	Solid	300.0	85010
890-6878-45	FS-45	Soluble	Solid	300.0	85010
MB 880-85010/1-A	Method Blank	Soluble	Solid	300.0	85010
LCS 880-85010/2-A	Lab Control Sample	Soluble	Solid	300.0	85010
LCSD 880-85010/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	85010
890-6878-26 MS	FS-26	Soluble	Solid	300.0	85010
890-6878-26 MSD	FS-26	Soluble	Solid	300.0	85010
890-6878-36 MS	FS-36	Soluble	Solid	300.0	85010
890-6878-36 MSD	FS-36	Soluble	Solid	300.0	85010

Leach Batch: 85090

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6878-66	SW-6	Soluble	Solid	DI Leach	
890-6878-67	SW-7	Soluble	Solid	DI Leach	
890-6878-68	SW-8	Soluble	Solid	DI Leach	
890-6878-69	SW-9	Soluble	Solid	DI Leach	
890-6878-70	SW-10	Soluble	Solid	DI Leach	
890-6878-71	FS-61	Soluble	Solid	DI Leach	
890-6878-72	FS-62	Soluble	Solid	DI Leach	
890-6878-73	FS-63	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

HPLC/IC (Continued)

Leach Batch: 85090 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6878-74	SW-11	Soluble	Solid	DI Leach	
MB 880-85090/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-85090/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-85090/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-6878-66 MS	SW-6	Soluble	Solid	DI Leach	
890-6878-66 MSD	SW-6	Soluble	Solid	DI Leach	

Analysis Batch: 85119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6878-46	FS-46	Soluble	Solid	300.0	85011
890-6878-47	FS-47	Soluble	Solid	300.0	85011
890-6878-48	FS-48	Soluble	Solid	300.0	85011
890-6878-49	FS-49	Soluble	Solid	300.0	85011
890-6878-50	FS-50	Soluble	Solid	300.0	85011
890-6878-51	FS-51	Soluble	Solid	300.0	85011
890-6878-52	FS-52	Soluble	Solid	300.0	85011
890-6878-53	FS-53	Soluble	Solid	300.0	85011
890-6878-54	FS-54	Soluble	Solid	300.0	85011
890-6878-55	FS-55	Soluble	Solid	300.0	85011
890-6878-56	FS-56	Soluble	Solid	300.0	85011
890-6878-57	FS-57	Soluble	Solid	300.0	85011
890-6878-58	FS-58	Soluble	Solid	300.0	85011
890-6878-59	FS-59	Soluble	Solid	300.0	85011
890-6878-60	FS-60	Soluble	Solid	300.0	85011
890-6878-61	SW-1	Soluble	Solid	300.0	85011
890-6878-62	SW-2	Soluble	Solid	300.0	85011
890-6878-63	SW-3	Soluble	Solid	300.0	85011
890-6878-64	SW-4	Soluble	Solid	300.0	85011
890-6878-65	SW-5	Soluble	Solid	300.0	85011
MB 880-85011/1-A	Method Blank	Soluble	Solid	300.0	85011
LCS 880-85011/2-A	Lab Control Sample	Soluble	Solid	300.0	85011
LCSD 880-85011/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	85011
890-6878-46 MS	FS-46	Soluble	Solid	300.0	85011
890-6878-46 MSD	FS-46	Soluble	Solid	300.0	85011
890-6878-56 MS	FS-56	Soluble	Solid	300.0	85011
890-6878-56 MSD	FS-56	Soluble	Solid	300.0	85011

Analysis Batch: 85122

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6878-6	FS-6	Soluble	Solid	300.0	85009
890-6878-7	FS-7	Soluble	Solid	300.0	85009
890-6878-8	FS-8	Soluble	Solid	300.0	85009
890-6878-9	FS-9	Soluble	Solid	300.0	85009
890-6878-10	FS-10	Soluble	Solid	300.0	85009
890-6878-11	FS-11	Soluble	Solid	300.0	85009
890-6878-12	FS-12	Soluble	Solid	300.0	85009
890-6878-13	FS-13	Soluble	Solid	300.0	85009
890-6878-14	FS-14	Soluble	Solid	300.0	85009
890-6878-16	FS-16	Soluble	Solid	300.0	85009
890-6878-17	FS-17	Soluble	Solid	300.0	85009
890-6878-18	FS-18	Soluble	Solid	300.0	85009

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QC Association Summary

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

HPLC/IC (Continued)

Analysis Batch: 85122 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6878-19	FS-19	Soluble	Solid	300.0	85009
890-6878-20	FS-20	Soluble	Solid	300.0	85009
890-6878-21	FS-21	Soluble	Solid	300.0	85009
890-6878-22	FS-22	Soluble	Solid	300.0	85009
890-6878-23	FS-23	Soluble	Solid	300.0	85009
890-6878-24	FS-24	Soluble	Solid	300.0	85009
890-6878-25	FS-25	Soluble	Solid	300.0	85009
MB 880-85009/1-A	Method Blank	Soluble	Solid	300.0	85009
LCS 880-85009/2-A	Lab Control Sample	Soluble	Solid	300.0	85009
LCSD 880-85009/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	85009
890-6878-6 MS	FS-6	Soluble	Solid	300.0	85009
890-6878-6 MSD	FS-6	Soluble	Solid	300.0	85009
890-6878-16 MS	FS-16	Soluble	Solid	300.0	85009
890-6878-16 MSD	FS-16	Soluble	Solid	300.0	85009

Analysis Batch: 85128

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6878-66	SW-6	Soluble	Solid	300.0	85090
890-6878-67	SW-7	Soluble	Solid	300.0	85090
890-6878-68	SW-8	Soluble	Solid	300.0	85090
890-6878-69	SW-9	Soluble	Solid	300.0	85090
890-6878-70	SW-10	Soluble	Solid	300.0	85090
890-6878-71	FS-61	Soluble	Solid	300.0	85090
890-6878-72	FS-62	Soluble	Solid	300.0	85090
890-6878-73	FS-63	Soluble	Solid	300.0	85090
890-6878-74	SW-11	Soluble	Solid	300.0	85090
MB 880-85090/1-A	Method Blank	Soluble	Solid	300.0	85090
LCS 880-85090/2-A	Lab Control Sample	Soluble	Solid	300.0	85090
LCSD 880-85090/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	85090
890-6878-66 MS	SW-6	Soluble	Solid	300.0	85090
890-6878-66 MSD	SW-6	Soluble	Solid	300.0	85090

Leach Batch: 85166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6878-3	FS-3	Soluble	Solid	DI Leach	
890-6878-15	FS-15	Soluble	Solid	DI Leach	

Analysis Batch: 85169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6878-3	FS-3	Soluble	Solid	300.0	85166
890-6878-15	FS-15	Soluble	Solid	300.0	85166

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Lab Chronicle

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-1
Date Collected: 06/27/24 10:00
Date Received: 07/02/24 15:56

Lab Sample ID: 890-6878-1
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			4.98 g	5 mL	84953	07/03/24 10:20	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84942	07/03/24 12:59	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 12:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/05/24 18:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	84913	07/02/24 20:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85001	07/05/24 18:51	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	85013	07/05/24 07:54	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	85087	07/06/24 02:40	CH	EET MID

Client Sample ID: FS-2
Date Collected: 06/27/24 10:00
Date Received: 07/02/24 15:56

Lab Sample ID: 890-6878-2
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			4.95 g	5 mL	84953	07/03/24 10:20	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84942	07/03/24 13:19	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 13:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/05/24 19:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	84913	07/02/24 20:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85001	07/05/24 19:11	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	85013	07/05/24 07:54	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	85087	07/06/24 02:45	CH	EET MID

Client Sample ID: FS-3
Date Collected: 06/27/24 10:00
Date Received: 07/02/24 15:56

Lab Sample ID: 890-6878-3
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	84953	07/03/24 10:20	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84942	07/03/24 13:40	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 13:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/05/24 19:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	84913	07/02/24 20:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85001	07/05/24 19:32	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	85166	07/09/24 11:35	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85169	07/09/24 13:04	CH	EET MID

Client Sample ID: FS-4
Date Collected: 06/27/24 10:00
Date Received: 07/02/24 15:56

Lab Sample ID: 890-6878-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	84953	07/03/24 10:20	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84942	07/03/24 14:00	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 14:00	SM	EET MID

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Lab Chronicle

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-4**Lab Sample ID: 890-6878-4****Date Collected: 06/27/24 10:00****Matrix: Solid****Date Received: 07/02/24 15:56**

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			85067	07/05/24 19:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	84913	07/02/24 20:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85001	07/05/24 19:53	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	85013	07/05/24 07:54	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85087	07/06/24 02:56	CH	EET MID

Client Sample ID: FS-5**Lab Sample ID: 890-6878-5****Date Collected: 06/27/24 10:00****Matrix: Solid****Date Received: 07/02/24 15:56**

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	84953	07/03/24 10:20	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84942	07/03/24 14:21	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 14:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/05/24 10:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	84914	07/02/24 20:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85003	07/05/24 10:56	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	85013	07/05/24 07:54	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85087	07/06/24 03:01	CH	EET MID

Client Sample ID: FS-6**Lab Sample ID: 890-6878-6****Date Collected: 06/27/24 10:00****Matrix: Solid****Date Received: 07/02/24 15:56**

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	84953	07/03/24 10:20	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84942	07/03/24 14:42	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 14:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/05/24 11:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	84914	07/02/24 20:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85003	07/05/24 11:57	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	85009	07/05/24 07:50	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85122	07/08/24 14:06	CH	EET MID

Client Sample ID: FS-7**Lab Sample ID: 890-6878-7****Date Collected: 06/27/24 10:00****Matrix: Solid****Date Received: 07/02/24 15:56**

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	84953	07/03/24 10:20	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84942	07/03/24 15:02	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 15:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/05/24 12:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	84914	07/02/24 20:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85003	07/05/24 12:17	SM	EET MID

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Lab Chronicle

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-7
Date Collected: 06/27/24 10:00
Date Received: 07/02/24 15:56

Lab Sample ID: 890-6878-7
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			5.00 g	50 mL	85009	07/05/24 07:50	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	85122	07/08/24 14:29	CH	EET MID

Client Sample ID: FS-8
Date Collected: 06/27/24 10:00
Date Received: 07/02/24 15:56

Lab Sample ID: 890-6878-8
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			5.01 g	5 mL	84953	07/03/24 10:20	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84942	07/03/24 15:23	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 15:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/05/24 12:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	84914	07/02/24 20:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85003	07/05/24 12:37	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	85009	07/05/24 07:50	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	85122	07/08/24 14:36	CH	EET MID

Client Sample ID: FS-9
Date Collected: 06/27/24 10:00
Date Received: 07/02/24 15:56

Lab Sample ID: 890-6878-9
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			5.00 g	5 mL	84953	07/03/24 10:20	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84942	07/03/24 15:44	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 15:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/05/24 12:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	84914	07/02/24 20:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85003	07/05/24 12:57	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	85009	07/05/24 07:50	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85122	07/08/24 14:43	CH	EET MID

Client Sample ID: FS-10
Date Collected: 06/27/24 10:00
Date Received: 07/02/24 15:56

Lab Sample ID: 890-6878-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	84953	07/03/24 10:20	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84942	07/03/24 16:04	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 16:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/05/24 13:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	84914	07/02/24 20:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85003	07/05/24 13:18	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	85009	07/05/24 07:50	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85122	07/08/24 14:50	CH	EET MID

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Lab Chronicle

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-11**Lab Sample ID: 890-6878-11****Date Collected: 06/27/24 10:00****Matrix: Solid****Date Received: 07/02/24 15:56**

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	84953	07/03/24 10:20	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84942	07/03/24 17:30	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 17:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/05/24 13:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	84914	07/02/24 20:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85003	07/05/24 13:38	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	85009	07/05/24 07:50	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85122	07/08/24 15:13	CH	EET MID

Client Sample ID: FS-12**Lab Sample ID: 890-6878-12****Date Collected: 06/27/24 10:00****Matrix: Solid****Date Received: 07/02/24 15:56**

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	84953	07/03/24 10:20	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84942	07/03/24 17:50	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 17:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/05/24 13:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	84914	07/02/24 20:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85003	07/05/24 13:58	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	85009	07/05/24 07:50	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85122	07/08/24 15:20	CH	EET MID

Client Sample ID: FS-13**Lab Sample ID: 890-6878-13****Date Collected: 06/27/24 10:00****Matrix: Solid****Date Received: 07/02/24 15:56**

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	84953	07/03/24 10:20	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84942	07/03/24 18:11	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 18:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/05/24 14:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	84914	07/02/24 20:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85003	07/05/24 14:19	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	85009	07/05/24 07:50	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85122	07/08/24 15:27	CH	EET MID

Client Sample ID: FS-14**Lab Sample ID: 890-6878-14****Date Collected: 06/27/24 10:00****Matrix: Solid****Date Received: 07/02/24 15:56**

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	84953	07/03/24 10:20	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84942	07/03/24 18:32	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 18:32	SM	EET MID

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Lab Chronicle

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-14
Date Collected: 06/27/24 10:00
Date Received: 07/02/24 15:56

Lab Sample ID: 890-6878-14
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			85067	07/05/24 14:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	84914	07/02/24 20:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85003	07/05/24 14:39	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	85009	07/05/24 07:50	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85122	07/08/24 15:35	CH	EET MID

Client Sample ID: FS-15
Date Collected: 06/27/24 10:00
Date Received: 07/02/24 15:56

Lab Sample ID: 890-6878-15
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	84953	07/03/24 10:20	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84942	07/03/24 18:52	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 18:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/05/24 16:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	84914	07/02/24 20:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85003	07/05/24 16:49	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	85166	07/09/24 11:35	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85169	07/09/24 13:11	CH	EET MID

Client Sample ID: FS-16
Date Collected: 06/27/24 10:00
Date Received: 07/02/24 15:56

Lab Sample ID: 890-6878-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	84953	07/03/24 10:20	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84942	07/03/24 19:13	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 19:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/05/24 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	84914	07/02/24 20:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85003	07/05/24 17:09	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	85009	07/05/24 07:50	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85122	07/08/24 15:49	CH	EET MID

Client Sample ID: FS-17
Date Collected: 06/27/24 10:00
Date Received: 07/02/24 15:56

Lab Sample ID: 890-6878-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	84953	07/03/24 10:20	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84942	07/03/24 19:34	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 19:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/05/24 17:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	84914	07/02/24 20:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85003	07/05/24 17:29	SM	EET MID

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Lab Chronicle

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-17

Lab Sample ID: 890-6878-17

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	85009	07/05/24 07:50	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	85122	07/08/24 16:11	CH	EET MID

Client Sample ID: FS-18

Lab Sample ID: 890-6878-18

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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	84953	07/03/24 10:20	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84942	07/03/24 19:54	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 19:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/05/24 17:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	84914	07/02/24 20:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85003	07/05/24 17:50	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	85009	07/05/24 07:50	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85122	07/08/24 16:19	CH	EET MID

Client Sample ID: FS-19

Lab Sample ID: 890-6878-19

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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	84953	07/03/24 10:20	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84942	07/03/24 20:15	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 20:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/05/24 18:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	84914	07/02/24 20:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85003	07/05/24 18:10	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	85009	07/05/24 07:50	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85122	07/08/24 16:41	CH	EET MID

Client Sample ID: FS-20

Lab Sample ID: 890-6878-20

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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	84953	07/03/24 10:20	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84942	07/03/24 20:36	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 20:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/05/24 18:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	84914	07/02/24 20:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85003	07/05/24 18:31	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	85009	07/05/24 07:50	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85122	07/08/24 16:48	CH	EET MID

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Lab Chronicle

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-21**Lab Sample ID: 890-6878-21****Date Collected: 06/27/24 10:00****Matrix: Solid****Date Received: 07/02/24 15:56**

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	84957	07/03/24 10:26	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84940	07/03/24 13:23	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 13:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/05/24 18:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	84914	07/02/24 20:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85003	07/05/24 18:51	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	85009	07/05/24 07:50	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	85122	07/08/24 16:55	CH	EET MID

Client Sample ID: FS-22**Lab Sample ID: 890-6878-22****Date Collected: 06/27/24 10:00****Matrix: Solid****Date Received: 07/02/24 15:56**

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	84957	07/03/24 10:26	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84940	07/03/24 13:50	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 13:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/05/24 19:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	84914	07/02/24 20:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85003	07/05/24 19:11	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	85009	07/05/24 07:50	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	85122	07/08/24 17:02	CH	EET MID

Client Sample ID: FS-23**Lab Sample ID: 890-6878-23****Date Collected: 06/27/24 10:00****Matrix: Solid****Date Received: 07/02/24 15:56**

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	84957	07/03/24 10:26	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84940	07/03/24 14:17	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 14:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/05/24 19:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	84914	07/02/24 20:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85003	07/05/24 19:32	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	85009	07/05/24 07:50	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	85122	07/08/24 17:10	CH	EET MID

Client Sample ID: FS-24**Lab Sample ID: 890-6878-24****Date Collected: 06/27/24 10:00****Matrix: Solid****Date Received: 07/02/24 15:56**

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	84957	07/03/24 10:26	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84940	07/03/24 14:44	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 14:44	SM	EET MID

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Lab Chronicle

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-24**Lab Sample ID: 890-6878-24****Date Collected: 06/27/24 10:00****Matrix: Solid****Date Received: 07/02/24 15:56**

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			85067	07/05/24 19:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	84914	07/02/24 20:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85003	07/05/24 19:53	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	85009	07/05/24 07:50	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	85122	07/08/24 17:17	CH	EET MID

Client Sample ID: FS-25**Lab Sample ID: 890-6878-25****Date Collected: 06/27/24 10:00****Matrix: Solid****Date Received: 07/02/24 15:56**

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	84957	07/03/24 10:26	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84940	07/03/24 15:11	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 15:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/05/24 21:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	84916	07/02/24 20:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85001	07/05/24 21:36	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	85009	07/05/24 07:50	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	85122	07/08/24 17:24	CH	EET MID

Client Sample ID: FS-26**Lab Sample ID: 890-6878-26****Date Collected: 06/27/24 10:00****Matrix: Solid****Date Received: 07/02/24 15:56**

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	84957	07/03/24 10:26	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84940	07/03/24 15:38	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 15:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/05/24 22:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	84916	07/02/24 20:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85001	07/05/24 22:37	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	85010	07/05/24 07:51	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	85088	07/06/24 03:43	CH	EET MID

Client Sample ID: FS-27**Lab Sample ID: 890-6878-27****Date Collected: 06/27/24 10:00****Matrix: Solid****Date Received: 07/02/24 15:56**

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	84957	07/03/24 10:26	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84940	07/03/24 16:05	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 16:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/05/24 22:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	84916	07/02/24 20:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85001	07/05/24 22:58	SM	EET MID

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Lab Chronicle

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-27**Lab Sample ID: 890-6878-27****Date Collected: 06/27/24 10:00****Matrix: Solid****Date Received: 07/02/24 15:56**

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	85010	07/05/24 07:51	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	85088	07/06/24 03:58	CH	EET MID

Client Sample ID: FS-28**Lab Sample ID: 890-6878-28****Date Collected: 06/27/24 10:00****Matrix: Solid****Date Received: 07/02/24 15:56**

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	84957	07/03/24 10:26	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84940	07/03/24 16:32	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 16:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/05/24 23:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	84916	07/02/24 20:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85001	07/05/24 23:18	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	85010	07/05/24 07:51	CH	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	85088	07/06/24 04:03	CH	EET MID

Client Sample ID: FS-29**Lab Sample ID: 890-6878-29****Date Collected: 06/27/24 10:00****Matrix: Solid****Date Received: 07/02/24 15:56**

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	84957	07/03/24 10:26	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84940	07/03/24 16:59	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 16:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/05/24 23:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	84916	07/02/24 20:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85001	07/05/24 23:39	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	85010	07/05/24 07:51	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	85088	07/06/24 04:09	CH	EET MID

Client Sample ID: FS-30**Lab Sample ID: 890-6878-30****Date Collected: 06/27/24 10:00****Matrix: Solid****Date Received: 07/02/24 15:56**

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	84957	07/03/24 10:26	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84940	07/03/24 17:26	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 17:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/05/24 23:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	84916	07/02/24 20:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85001	07/05/24 23:59	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	85010	07/05/24 07:51	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	85088	07/06/24 04:14	CH	EET MID

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Lab Chronicle

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-31**Lab Sample ID: 890-6878-31****Date Collected: 06/27/24 10:00****Matrix: Solid****Date Received: 07/02/24 15:56**

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	84957	07/03/24 10:26	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84940	07/03/24 19:14	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 19:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/06/24 00:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	84916	07/02/24 20:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85001	07/06/24 00:19	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	85010	07/05/24 07:51	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	85088	07/06/24 04:30	CH	EET MID

Client Sample ID: FS-32**Lab Sample ID: 890-6878-32****Date Collected: 06/27/24 10:00****Matrix: Solid****Date Received: 07/02/24 15:56**

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	84957	07/03/24 10:26	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84940	07/03/24 19:41	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 19:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/06/24 00:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	84916	07/02/24 20:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85001	07/06/24 00:39	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	85010	07/05/24 07:51	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	85088	07/06/24 04:35	CH	EET MID

Client Sample ID: FS-33**Lab Sample ID: 890-6878-33****Date Collected: 06/27/24 10:00****Matrix: Solid****Date Received: 07/02/24 15:56**

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	84957	07/03/24 10:26	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84940	07/03/24 20:08	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 20:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/06/24 01:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	84916	07/02/24 20:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85001	07/06/24 01:01	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	85010	07/05/24 07:51	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85088	07/06/24 04:40	CH	EET MID

Client Sample ID: FS-34**Lab Sample ID: 890-6878-34****Date Collected: 06/27/24 10:00****Matrix: Solid****Date Received: 07/02/24 15:56**

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	84957	07/03/24 10:26	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84940	07/03/24 20:35	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 20:35	SM	EET MID

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Lab Chronicle

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-34**Lab Sample ID: 890-6878-34****Date Collected: 06/27/24 10:00****Matrix: Solid****Date Received: 07/02/24 15:56**

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			85067	07/06/24 01:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	84916	07/02/24 20:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85001	07/06/24 01:21	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	85010	07/05/24 07:51	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85088	07/06/24 04:45	CH	EET MID

Client Sample ID: FS-35**Lab Sample ID: 890-6878-35****Date Collected: 06/27/24 10:00****Matrix: Solid****Date Received: 07/02/24 15:56**

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	84957	07/03/24 10:26	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84940	07/03/24 21:02	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 21:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/06/24 02:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	84916	07/02/24 20:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85001	07/06/24 02:03	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	85010	07/05/24 07:51	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85088	07/06/24 04:50	CH	EET MID

Client Sample ID: FS-36**Lab Sample ID: 890-6878-36****Date Collected: 06/27/24 10:00****Matrix: Solid****Date Received: 07/02/24 15:56**

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	84957	07/03/24 10:26	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84940	07/03/24 21:28	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 21:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/06/24 02:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	84916	07/02/24 20:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85001	07/06/24 02:23	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	85010	07/05/24 07:51	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	85088	07/06/24 04:56	CH	EET MID

Client Sample ID: FS-37**Lab Sample ID: 890-6878-37****Date Collected: 06/27/24 10:00****Matrix: Solid****Date Received: 07/02/24 15:56**

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	84957	07/03/24 10:26	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84940	07/03/24 21:55	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 21:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/06/24 02:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	84916	07/02/24 20:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85001	07/06/24 02:43	SM	EET MID

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Lab Chronicle

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-37
Date Collected: 06/27/24 10:00
Date Received: 07/02/24 15:56

Lab Sample ID: 890-6878-37
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			5.00 g	50 mL	85010	07/05/24 07:51	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85088	07/06/24 05:11	CH	EET MID

Client Sample ID: FS-38
Date Collected: 06/27/24 10:00
Date Received: 07/02/24 15:56

Lab Sample ID: 890-6878-38
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			5.01 g	5 mL	84957	07/03/24 10:26	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84940	07/03/24 22:22	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 22:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/06/24 03:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	84916	07/02/24 20:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85001	07/06/24 03:04	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	85010	07/05/24 07:51	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85088	07/06/24 05:17	CH	EET MID

Client Sample ID: FS-39
Date Collected: 06/27/24 10:00
Date Received: 07/02/24 15:56

Lab Sample ID: 890-6878-39
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			5.02 g	5 mL	84957	07/03/24 10:26	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84940	07/03/24 22:48	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 22:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/06/24 03:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	84916	07/02/24 20:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85001	07/06/24 03:24	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	85010	07/05/24 07:51	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85088	07/06/24 05:32	CH	EET MID

Client Sample ID: FS-40
Date Collected: 06/27/24 10:00
Date Received: 07/02/24 15:56

Lab Sample ID: 890-6878-40
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			5.00 g	5 mL	84957	07/03/24 10:26	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84940	07/03/24 23:15	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 23:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/06/24 03:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	84916	07/02/24 20:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85001	07/06/24 03:43	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	85010	07/05/24 07:51	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85088	07/06/24 05:37	CH	EET MID

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Lab Chronicle

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-41
Date Collected: 06/27/24 10:00
Date Received: 07/02/24 15:56

Lab Sample ID: 890-6878-41
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	84958	07/03/24 10:32	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84938	07/03/24 13:04	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 13:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/06/24 04:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	84916	07/02/24 20:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85001	07/06/24 04:50	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	85010	07/05/24 07:51	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	85088	07/06/24 05:43	CH	EET MID

Client Sample ID: FS-42
Date Collected: 06/27/24 10:00
Date Received: 07/02/24 15:56

Lab Sample ID: 890-6878-42
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	84958	07/03/24 10:32	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84938	07/03/24 13:24	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 13:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/06/24 05:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	84916	07/02/24 20:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85001	07/06/24 05:52	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	85010	07/05/24 07:51	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	85088	07/06/24 05:48	CH	EET MID

Client Sample ID: FS-43
Date Collected: 06/27/24 10:00
Date Received: 07/02/24 15:56

Lab Sample ID: 890-6878-43
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	84958	07/03/24 10:32	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84938	07/03/24 13:45	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 13:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/06/24 05:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	84916	07/02/24 20:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85001	07/06/24 05:30	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	85010	07/05/24 07:51	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	85088	07/06/24 05:53	CH	EET MID

Client Sample ID: FS-44
Date Collected: 06/27/24 10:00
Date Received: 07/02/24 15:56

Lab Sample ID: 890-6878-44
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	84958	07/03/24 10:32	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84938	07/03/24 14:05	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 14:05	SM	EET MID

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Lab Chronicle

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-44**Lab Sample ID: 890-6878-44****Date Collected: 06/27/24 10:00****Matrix: Solid****Date Received: 07/02/24 15:56**

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			85067	07/06/24 05:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	84916	07/02/24 20:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85001	07/06/24 05:10	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	85010	07/05/24 07:51	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	85088	07/06/24 05:59	CH	EET MID

Client Sample ID: FS-45**Lab Sample ID: 890-6878-45****Date Collected: 06/27/24 10:00****Matrix: Solid****Date Received: 07/02/24 15:56**

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	84958	07/03/24 10:32	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84938	07/03/24 14:26	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 14:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/04/24 10:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	84917	07/02/24 20:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84998	07/04/24 10:11	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	85010	07/05/24 07:51	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	85088	07/06/24 06:04	CH	EET MID

Client Sample ID: FS-46**Lab Sample ID: 890-6878-46****Date Collected: 06/27/24 10:00****Matrix: Solid****Date Received: 07/02/24 15:56**

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	84958	07/03/24 10:32	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84938	07/03/24 14:46	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 14:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/04/24 11:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	84917	07/02/24 20:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84998	07/04/24 11:12	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	85011	07/05/24 07:52	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	85119	07/08/24 09:54	CH	EET MID

Client Sample ID: FS-47**Lab Sample ID: 890-6878-47****Date Collected: 06/27/24 10:00****Matrix: Solid****Date Received: 07/02/24 15:56**

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	84958	07/03/24 10:32	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84938	07/03/24 15:06	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 15:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/04/24 11:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	84917	07/02/24 20:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84998	07/04/24 11:33	SM	EET MID

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Lab Chronicle

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-47
Date Collected: 06/27/24 10:00
Date Received: 07/02/24 15:56

Lab Sample ID: 890-6878-47
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	85011	07/05/24 07:52	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	85119	07/08/24 10:15	CH	EET MID

Client Sample ID: FS-48
Date Collected: 06/27/24 10:00
Date Received: 07/02/24 15:56

Lab Sample ID: 890-6878-48
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	84958	07/03/24 10:32	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84938	07/03/24 15:27	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 15:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/04/24 11:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	84917	07/02/24 20:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84998	07/04/24 11:53	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	85011	07/05/24 07:52	CH	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	85119	07/08/24 10:23	CH	EET MID

Client Sample ID: FS-49
Date Collected: 06/27/24 10:00
Date Received: 07/02/24 15:56

Lab Sample ID: 890-6878-49
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	84958	07/03/24 10:32	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84938	07/03/24 15:47	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 15:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/04/24 12:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	84917	07/02/24 20:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84998	07/04/24 12:14	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	85011	07/05/24 07:52	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	85119	07/08/24 10:30	CH	EET MID

Client Sample ID: FS-50
Date Collected: 06/27/24 10:00
Date Received: 07/02/24 15:56

Lab Sample ID: 890-6878-50
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	84958	07/03/24 10:32	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84938	07/03/24 16:08	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 16:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/04/24 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	84917	07/02/24 20:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84998	07/04/24 12:34	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	85011	07/05/24 07:52	CH	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	85119	07/08/24 10:37	CH	EET MID

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Lab Chronicle

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-51**Lab Sample ID: 890-6878-51****Date Collected: 06/27/24 10:00****Matrix: Solid****Date Received: 07/02/24 15:56**

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	84958	07/03/24 10:32	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84938	07/03/24 17:32	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 17:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/04/24 12:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	84917	07/02/24 20:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84998	07/04/24 12:55	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	85011	07/05/24 07:52	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	85119	07/08/24 10:58	CH	EET MID

Client Sample ID: FS-52**Lab Sample ID: 890-6878-52****Date Collected: 06/27/24 10:00****Matrix: Solid****Date Received: 07/02/24 15:56**

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	84958	07/03/24 10:32	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84938	07/03/24 17:52	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 17:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/04/24 13:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	84917	07/02/24 20:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84998	07/04/24 13:15	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	85011	07/05/24 07:52	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	85119	07/08/24 11:06	CH	EET MID

Client Sample ID: FS-53**Lab Sample ID: 890-6878-53****Date Collected: 06/27/24 10:00****Matrix: Solid****Date Received: 07/02/24 15:56**

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	84958	07/03/24 10:32	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84938	07/03/24 18:12	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 18:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/04/24 13:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	84917	07/02/24 20:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84998	07/04/24 13:35	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	85011	07/05/24 07:52	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	85119	07/08/24 11:13	CH	EET MID

Client Sample ID: FS-54**Lab Sample ID: 890-6878-54****Date Collected: 06/27/24 10:00****Matrix: Solid****Date Received: 07/02/24 15:56**

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	84958	07/03/24 10:32	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84938	07/03/24 18:33	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 18:33	SM	EET MID

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Lab Chronicle

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-54**Lab Sample ID: 890-6878-54****Date Collected: 06/27/24 10:00****Matrix: Solid****Date Received: 07/02/24 15:56**

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			85067	07/04/24 13:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	84917	07/02/24 20:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84998	07/04/24 13:56	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	85011	07/05/24 07:52	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	85119	07/08/24 11:20	CH	EET MID

Client Sample ID: FS-55**Lab Sample ID: 890-6878-55****Date Collected: 06/27/24 10:00****Matrix: Solid****Date Received: 07/02/24 15:56**

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	84958	07/03/24 10:32	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84938	07/03/24 18:53	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 18:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/04/24 14:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	84917	07/02/24 20:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84998	07/04/24 14:36	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	85011	07/05/24 07:52	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	85119	07/08/24 11:27	CH	EET MID

Client Sample ID: FS-56**Lab Sample ID: 890-6878-56****Date Collected: 06/27/24 10:00****Matrix: Solid****Date Received: 07/02/24 15:56**

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	84958	07/03/24 10:32	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84938	07/03/24 19:14	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 19:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/04/24 14:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	84917	07/02/24 20:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84998	07/04/24 14:57	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	85011	07/05/24 07:52	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	85119	07/08/24 11:34	CH	EET MID

Client Sample ID: FS-57**Lab Sample ID: 890-6878-57****Date Collected: 06/27/24 10:00****Matrix: Solid****Date Received: 07/02/24 15:56**

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	84958	07/03/24 10:32	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84938	07/03/24 19:34	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 19:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/04/24 15:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	84917	07/02/24 20:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84998	07/04/24 15:17	SM	EET MID

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Lab Chronicle

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-57
Date Collected: 06/27/24 10:00
Date Received: 07/02/24 15:56

Lab Sample ID: 890-6878-57
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	85011	07/05/24 07:52	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85119	07/08/24 11:56	CH	EET MID

Client Sample ID: FS-58
Date Collected: 06/27/24 10:00
Date Received: 07/02/24 15:56

Lab Sample ID: 890-6878-58
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	84958	07/03/24 10:32	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84938	07/03/24 19:55	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 19:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/04/24 15:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	84917	07/02/24 20:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84998	07/04/24 15:37	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	85011	07/05/24 07:52	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85119	07/08/24 12:03	CH	EET MID

Client Sample ID: FS-59
Date Collected: 06/27/24 10:00
Date Received: 07/02/24 15:56

Lab Sample ID: 890-6878-59
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	84958	07/03/24 10:32	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84938	07/03/24 20:15	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 20:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/04/24 15:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	84917	07/02/24 20:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84998	07/04/24 15:58	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	85011	07/05/24 07:52	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85119	07/08/24 12:25	CH	EET MID

Client Sample ID: FS-60
Date Collected: 06/27/24 10:00
Date Received: 07/02/24 15:56

Lab Sample ID: 890-6878-60
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	84958	07/03/24 10:32	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84938	07/03/24 20:36	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 20:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/04/24 16:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	84917	07/02/24 20:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84998	07/04/24 16:18	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	85011	07/05/24 07:52	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85119	07/08/24 12:32	CH	EET MID

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Lab Chronicle

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: SW-1

Lab Sample ID: 890-6878-61

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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	84960	07/03/24 10:47	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84939	07/03/24 15:27	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 15:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/04/24 16:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	84917	07/02/24 20:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84998	07/04/24 16:39	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	85011	07/05/24 07:52	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85119	07/08/24 12:39	CH	EET MID

Client Sample ID: SW-2

Lab Sample ID: 890-6878-62

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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	84960	07/03/24 10:47	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84939	07/03/24 15:48	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 15:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/04/24 13:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	84959	07/03/24 10:35	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84995	07/04/24 13:15	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	85011	07/05/24 07:52	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85119	07/08/24 12:46	CH	EET MID

Client Sample ID: SW-3

Lab Sample ID: 890-6878-63

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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	84960	07/03/24 10:47	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84939	07/03/24 16:08	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 16:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/04/24 13:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	84959	07/03/24 10:35	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84995	07/04/24 13:35	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	85011	07/05/24 07:52	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85119	07/08/24 12:53	CH	EET MID

Client Sample ID: SW-4

Lab Sample ID: 890-6878-64

Date Collected: 06/27/24 10:00

Matrix: Solid

Date Received: 07/02/24 15:56

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	84960	07/03/24 10:47	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84939	07/03/24 17:42	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 17:42	SM	EET MID

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Lab Chronicle

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: SW-4**Lab Sample ID: 890-6878-64****Date Collected: 06/27/24 10:00****Matrix: Solid****Date Received: 07/02/24 15:56**

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			85067	07/04/24 13:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	84959	07/03/24 10:35	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84995	07/04/24 13:56	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	85011	07/05/24 07:52	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85119	07/08/24 13:01	CH	EET MID

Client Sample ID: SW-5**Lab Sample ID: 890-6878-65****Date Collected: 06/27/24 10:00****Matrix: Solid****Date Received: 07/02/24 15:56**

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	84960	07/03/24 10:47	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84939	07/03/24 18:03	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 18:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/04/24 14:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	84959	07/03/24 10:35	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84995	07/04/24 14:36	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	85011	07/05/24 07:52	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85119	07/08/24 13:08	CH	EET MID

Client Sample ID: SW-6**Lab Sample ID: 890-6878-66****Date Collected: 06/27/24 10:00****Matrix: Solid****Date Received: 07/02/24 15:56**

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	84960	07/03/24 10:47	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84939	07/03/24 18:23	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 18:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/04/24 14:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	84959	07/03/24 10:35	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84995	07/04/24 14:57	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	85090	07/05/24 16:56	CH	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	85128	07/08/24 14:00	CH	EET MID

Client Sample ID: SW-7**Lab Sample ID: 890-6878-67****Date Collected: 06/27/24 10:00****Matrix: Solid****Date Received: 07/02/24 15:56**

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	84960	07/03/24 10:47	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84939	07/03/24 18:44	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 18:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/04/24 15:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	84959	07/03/24 10:35	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84995	07/04/24 15:17	SM	EET MID

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Lab Chronicle

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: SW-7**Lab Sample ID: 890-6878-67****Date Collected: 06/27/24 10:00****Matrix: Solid****Date Received: 07/02/24 15:56**

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	85090	07/05/24 16:56	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85128	07/08/24 14:15	CH	EET MID

Client Sample ID: SW-8**Lab Sample ID: 890-6878-68****Date Collected: 06/27/24 10:00****Matrix: Solid****Date Received: 07/02/24 15:56**

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	84960	07/03/24 10:47	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84939	07/03/24 19:04	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 19:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/04/24 15:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	84959	07/03/24 10:35	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84995	07/04/24 15:37	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	85090	07/05/24 16:56	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85128	07/08/24 14:21	CH	EET MID

Client Sample ID: SW-9**Lab Sample ID: 890-6878-69****Date Collected: 06/27/24 10:00****Matrix: Solid****Date Received: 07/02/24 15:56**

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	84960	07/03/24 10:47	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84939	07/03/24 19:25	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 19:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/04/24 15:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	84959	07/03/24 10:35	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84995	07/04/24 15:58	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	85090	07/05/24 16:56	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85128	07/08/24 14:36	CH	EET MID

Client Sample ID: SW-10**Lab Sample ID: 890-6878-70****Date Collected: 06/27/24 10:00****Matrix: Solid****Date Received: 07/02/24 15:56**

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	84960	07/03/24 10:47	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84939	07/03/24 19:45	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 19:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/04/24 16:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	84959	07/03/24 10:35	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84995	07/04/24 16:18	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	85090	07/05/24 16:56	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85128	07/08/24 14:42	CH	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: FS-61**Lab Sample ID: 890-6878-71****Date Collected: 06/27/24 10:00****Matrix: Solid****Date Received: 07/02/24 15:56**

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	84960	07/03/24 10:47	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84939	07/03/24 20:06	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 20:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/04/24 16:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	84959	07/03/24 10:35	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84995	07/04/24 16:39	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	85090	07/05/24 16:56	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85128	07/08/24 14:47	CH	EET MID

Client Sample ID: FS-62**Lab Sample ID: 890-6878-72****Date Collected: 06/27/24 10:00****Matrix: Solid****Date Received: 07/02/24 15:56**

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	84960	07/03/24 10:47	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84939	07/03/24 20:26	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 20:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/04/24 16:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	84959	07/03/24 10:35	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84995	07/04/24 16:59	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	85090	07/05/24 16:56	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85128	07/08/24 14:52	CH	EET MID

Client Sample ID: FS-63**Lab Sample ID: 890-6878-73****Date Collected: 06/27/24 10:00****Matrix: Solid****Date Received: 07/02/24 15:56**

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	84945	07/03/24 08:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84941	07/03/24 18:01	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 18:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			85067	07/04/24 17:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	84959	07/03/24 10:35	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84995	07/04/24 17:19	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	85090	07/05/24 16:56	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85128	07/08/24 14:57	CH	EET MID

Client Sample ID: SW-11**Lab Sample ID: 890-6878-74****Date Collected: 06/27/24 10:00****Matrix: Solid****Date Received: 07/02/24 15:56**

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	84945	07/03/24 08:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84941	07/03/24 18:21	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85075	07/03/24 18:21	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Client Sample ID: SW-11
Date Collected: 06/27/24 10:00
Date Received: 07/02/24 15:56

Lab Sample ID: 890-6878-74
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			85067	07/04/24 17:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	84959	07/03/24 10:35	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84995	07/04/24 17:40	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	85090	07/05/24 16:56	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85128	07/08/24 15:02	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: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

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	06-30-25
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: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

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: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-6878-1	FS-1	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-2	FS-2	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-3	FS-3	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-4	FS-4	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-5	FS-5	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-6	FS-6	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-7	FS-7	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-8	FS-8	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-9	FS-9	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-10	FS-10	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-11	FS-11	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-12	FS-12	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-13	FS-13	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-14	FS-14	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-15	FS-15	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-16	FS-16	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-17	FS-17	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-18	FS-18	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-19	FS-19	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-20	FS-20	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-21	FS-21	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-22	FS-22	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-23	FS-23	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-24	FS-24	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-25	FS-25	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-26	FS-26	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-27	FS-27	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-28	FS-28	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-29	FS-29	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-30	FS-30	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-31	FS-31	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-32	FS-32	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-33	FS-33	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-34	FS-34	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-35	FS-35	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-36	FS-36	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-37	FS-37	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-38	FS-38	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-39	FS-39	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-40	FS-40	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-41	FS-41	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-42	FS-42	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-43	FS-43	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-44	FS-44	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-45	FS-45	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-46	FS-46	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-47	FS-47	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-48	FS-48	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-49	FS-49	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-50	FS-50	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-51	FS-51	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-52	FS-52	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-53	FS-53	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-54	FS-54	Solid	06/27/24 10:00	07/02/24 15:56

Sample Summary

Client: Ensolum
Project/Site: Christmas 28 #05

Job ID: 890-6878-1
SDG: 03C2344020

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-6878-55	FS-55	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-56	FS-56	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-57	FS-57	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-58	FS-58	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-59	FS-59	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-60	FS-60	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-61	SW-1	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-62	SW-2	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-63	SW-3	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-64	SW-4	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-65	SW-5	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-66	SW-6	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-67	SW-7	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-68	SW-8	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-69	SW-9	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-70	SW-10	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-71	FS-61	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-72	FS-62	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-73	FS-63	Solid	06/27/24 10:00	07/02/24 15:56
890-6878-74	SW-11	Solid	06/27/24 10:00	07/02/24 15:56

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

Work Order No: _____

www.xenco.com Page 1 of 8

Project Manager:	Tacoma Morrissey	Bill to: (if different)	
Company Name:	Ensolum LLC	Company Name:	Ensolum LLC
Address:	3122 National Parks Hwy	Address:	3122 National Parks Hwy
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Carlsbad, NM 88220
Phone:	337 257 8307	Email:	tmorrissey@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:		Christmas 28 # 05		Turn Around				ANALYSIS REQUEST										Preservative Codes					
Project Number:		03C2344020		☒ Routine ☐ Rush		Pres. Code												None: NO DI Water: H ₂ O					
Project Location:		32.361986,-103.170625		Due Date:		5 days												Cool: Cool MeOH: Me					
Sampler's Name:		Joshua Boxley		TAT starts the day received by the lab, if received by 4:30pm														HCL: HC HNO ₃ : HN					
PO #:																		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:		TRM607														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:		6.0														Zn Acetate+NaOH: Zn			
Total Containers:				Corrected Temperature:		5.8														NaOH+Ascorbic Acid: SAPC			
Sample Identification		Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont											Sample Comments					
FS01		Soil	6/27/24	1020	3'	Comp	1	X	X	X											Incident ID: NAPP2407128665		
FS02				1025																	Cost Center		
FS03				1030																	APR		
FS04				1035																			
FS05				1040																			
FS06				1050																			
FS07				1055																			
FS08				1100																			
FS09				1105																			
FS10		Soil	6/27/24	1110	3'	Comp	1	X	X	X													

Total 200.7 / 6010 200.8 / 6020:		8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr 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	
1						4				15:56 7/2	
3						6					
5											

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-6878-1
SDG Number: 03C2344020

Login Number: 6878
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: 890-6878-1

SDG Number: 03C2344020

Login Number: 6878

List Number: 2

Creator: Vasquez, Julisa

List Source: Eurofins Midland

List Creation: 07/03/24 08:05 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	



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

December 18, 2024

BRIAN SULZBERGER

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: CHRISTMAS 28 #05

Enclosed are the results of analyses for samples received by the laboratory on 12/12/24 16:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
BRIAN SULZBERGER
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 12/12/2024
Reported: 12/18/2024
Project Name: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Location: 32.36198,-103.17062

Sampling Date: 12/12/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 07 B 5' (H247551-01)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/16/2024	ND	1.98	98.9	2.00	8.71	
Toluene*	<0.050	0.050	12/16/2024	ND	1.98	99.1	2.00	9.05	
Ethylbenzene*	<0.050	0.050	12/16/2024	ND	2.00	100	2.00	9.47	
Total Xylenes*	<0.150	0.150	12/16/2024	ND	6.01	100	6.00	9.66	
Total BTEX	<0.300	0.300	12/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	12/17/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/16/2024	ND	199	99.7	200	0.534	
DRO >C10-C28*	<10.0	10.0	12/16/2024	ND	194	97.0	200	3.64	
EXT DRO >C28-C36	<10.0	10.0	12/16/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
BRIAN SULZBERGER
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 12/12/2024
Reported: 12/18/2024
Project Name: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Location: 32.36198,-103.17062

Sampling Date: 12/12/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 08 B 5' (H247551-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2024	ND	1.98	98.9	2.00	8.71		
Toluene*	<0.050	0.050	12/16/2024	ND	1.98	99.1	2.00	9.05		
Ethylbenzene*	<0.050	0.050	12/16/2024	ND	2.00	100	2.00	9.47		
Total Xylenes*	<0.150	0.150	12/16/2024	ND	6.01	100	6.00	9.66		
Total BTEX	<0.300	0.300	12/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	12/17/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/16/2024	ND	199	99.7	200	0.534	
DRO >C10-C28*	<10.0	10.0	12/16/2024	ND	194	97.0	200	3.64	
EXT DRO >C28-C36	<10.0	10.0	12/16/2024	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
BRIAN SULZBERGER
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 12/12/2024
Reported: 12/18/2024
Project Name: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Location: 32.36198,-103.17062

Sampling Date: 12/12/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 21 A 4' (H247551-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2024	ND	1.98	98.9	2.00	8.71		
Toluene*	<0.050	0.050	12/16/2024	ND	1.98	99.1	2.00	9.05		
Ethylbenzene*	<0.050	0.050	12/16/2024	ND	2.00	100	2.00	9.47		
Total Xylenes*	<0.150	0.150	12/16/2024	ND	6.01	100	6.00	9.66		
Total BTEx	<0.300	0.300	12/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	12/17/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/16/2024	ND	199	99.7	200	0.534	
DRO >C10-C28*	<10.0	10.0	12/16/2024	ND	194	97.0	200	3.64	
EXT DRO >C28-C36	<10.0	10.0	12/16/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
BRIAN SULZBERGER
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 12/12/2024
Reported: 12/18/2024
Project Name: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Location: 32.36198,-103.17062

Sampling Date: 12/12/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 25 A 4' (H247551-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2024	ND	1.98	98.9	2.00	8.71		
Toluene*	<0.050	0.050	12/16/2024	ND	1.98	99.1	2.00	9.05		
Ethylbenzene*	<0.050	0.050	12/16/2024	ND	2.00	100	2.00	9.47		
Total Xylenes*	<0.150	0.150	12/16/2024	ND	6.01	100	6.00	9.66		
Total BTEx	<0.300	0.300	12/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	12/17/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/16/2024	ND	199	99.7	200	0.534	
DRO >C10-C28*	<10.0	10.0	12/16/2024	ND	194	97.0	200	3.64	
EXT DRO >C28-C36	<10.0	10.0	12/16/2024	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
BRIAN SULZBERGER
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 12/12/2024
Reported: 12/18/2024
Project Name: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Location: 32.36198,-103.17062

Sampling Date: 12/12/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 26 A 4' (H247551-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2024	ND	1.98	98.9	2.00	8.71		
Toluene*	<0.050	0.050	12/16/2024	ND	1.98	99.1	2.00	9.05		
Ethylbenzene*	<0.050	0.050	12/16/2024	ND	2.00	100	2.00	9.47		
Total Xylenes*	<0.150	0.150	12/16/2024	ND	6.01	100	6.00	9.66		
Total BTEx	<0.300	0.300	12/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	12/17/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/16/2024	ND	199	99.7	200	0.534	
DRO >C10-C28*	<10.0	10.0	12/16/2024	ND	194	97.0	200	3.64	
EXT DRO >C28-C36	<10.0	10.0	12/16/2024	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
BRIAN SULZBERGER
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 12/12/2024
Reported: 12/18/2024
Project Name: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Location: 32.36198,-103.17062

Sampling Date: 12/12/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 28 A 4' (H247551-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2024	ND	1.98	98.9	2.00	8.71		
Toluene*	<0.050	0.050	12/16/2024	ND	1.98	99.1	2.00	9.05		
Ethylbenzene*	<0.050	0.050	12/16/2024	ND	2.00	100	2.00	9.47		
Total Xylenes*	<0.150	0.150	12/16/2024	ND	6.01	100	6.00	9.66		
Total BTEX	<0.300	0.300	12/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	12/17/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/16/2024	ND	206	103	200	3.09	
DRO >C10-C28*	<10.0	10.0	12/16/2024	ND	190	94.8	200	3.87	
EXT DRO >C28-C36	<10.0	10.0	12/16/2024	ND					

Surrogate: 1-Chlorooctane 89.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
BRIAN SULZBERGER
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 12/12/2024
Reported: 12/18/2024
Project Name: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Location: 32.36198,-103.17062

Sampling Date: 12/12/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 29 A 4' (H247551-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2024	ND	1.98	98.9	2.00	8.71		
Toluene*	<0.050	0.050	12/16/2024	ND	1.98	99.1	2.00	9.05		
Ethylbenzene*	<0.050	0.050	12/16/2024	ND	2.00	100	2.00	9.47		
Total Xylenes*	<0.150	0.150	12/16/2024	ND	6.01	100	6.00	9.66		
Total BTEX	<0.300	0.300	12/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	12/17/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/16/2024	ND	206	103	200	3.09	
DRO >C10-C28*	<10.0	10.0	12/16/2024	ND	190	94.8	200	3.87	
EXT DRO >C28-C36	<10.0	10.0	12/16/2024	ND					

Surrogate: 1-Chlorooctane 91.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
BRIAN SULZBERGER
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 12/12/2024
Reported: 12/18/2024
Project Name: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Location: 32.36198,-103.17062

Sampling Date: 12/12/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 30 A 4' (H247551-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2024	ND	1.98	98.9	2.00	8.71		
Toluene*	<0.050	0.050	12/16/2024	ND	1.98	99.1	2.00	9.05		
Ethylbenzene*	<0.050	0.050	12/16/2024	ND	2.00	100	2.00	9.47		
Total Xylenes*	<0.150	0.150	12/16/2024	ND	6.01	100	6.00	9.66		
Total BTEx	<0.300	0.300	12/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	12/17/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/16/2024	ND	206	103	200	3.09	
DRO >C10-C28*	<10.0	10.0	12/16/2024	ND	190	94.8	200	3.87	
EXT DRO >C28-C36	<10.0	10.0	12/16/2024	ND					

Surrogate: 1-Chlorooctane 82.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 23, 2024

TACOMA MORRISSEY

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: CHRISTMAS 28 #05

Enclosed are the results of analyses for samples received by the laboratory on 07/18/24 15:11.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
TACOMA MORRISSEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 07/18/2024
Reported: 07/23/2024
Project Name: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Location: CONTANGO 32.361986,-103.170625

Sampling Date: 07/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: FS 41 4 (H244330-01)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2024	ND	1.94	96.9	2.00	12.3	
Toluene*	<0.050	0.050	07/19/2024	ND	1.92	96.0	2.00	10.8	
Ethylbenzene*	<0.050	0.050	07/19/2024	ND	1.95	97.3	2.00	10.2	
Total Xylenes*	<0.150	0.150	07/19/2024	ND	5.72	95.4	6.00	10.6	
Total BTEX	<0.300	0.300	07/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	848	16.0	07/22/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2024	ND	226	113	200	3.45	
DRO >C10-C28*	<10.0	10.0	07/20/2024	ND	203	102	200	7.48	
EXT DRO >C28-C36	<10.0	10.0	07/20/2024	ND					

Surrogate: 1-Chlorooctane 87.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
TACOMA MORRISSEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 07/18/2024
Reported: 07/23/2024
Project Name: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Location: CONTANGO 32.361986,-103.170625

Sampling Date: 07/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: FS 42 4 (H244330-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2024	ND	1.94	96.9	2.00	12.3		
Toluene*	<0.050	0.050	07/22/2024	ND	1.92	96.0	2.00	10.8		
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	1.95	97.3	2.00	10.2		
Total Xylenes*	<0.150	0.150	07/22/2024	ND	5.72	95.4	6.00	10.6		
Total BTEX	<0.300	0.300	07/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1710	16.0	07/22/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2024	ND	226	113	200	3.45	
DRO >C10-C28*	2740	10.0	07/20/2024	ND	203	102	200	7.48	
EXT DRO >C28-C36	869	10.0	07/20/2024	ND					

Surrogate: 1-Chlorooctane 76.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 133 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
TACOMA MORRISSEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 07/18/2024
Reported: 07/23/2024
Project Name: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Location: CONTANGO 32.361986,-103.170625

Sampling Date: 07/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: FS 43 4 (H244330-03)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/19/2024	ND	1.94	96.9	2.00	12.3		
Toluene*	<0.050	0.050	07/19/2024	ND	1.92	96.0	2.00	10.8		
Ethylbenzene*	<0.050	0.050	07/19/2024	ND	1.95	97.3	2.00	10.2		
Total Xylenes*	<0.150	0.150	07/19/2024	ND	5.72	95.4	6.00	10.6		
Total BTX	<0.300	0.300	07/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2370	16.0	07/22/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2024	ND	226	113	200	3.45	
DRO >C10-C28*	<10.0	10.0	07/20/2024	ND	203	102	200	7.48	
EXT DRO >C28-C36	<10.0	10.0	07/20/2024	ND					

Surrogate: 1-Chlorooctane 91.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
TACOMA MORRISSEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 07/18/2024
Reported: 07/23/2024
Project Name: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Location: CONTANGO 32.361986,-103.170625

Sampling Date: 07/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: FS 44 4 (H244330-04)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2024	ND	1.94	96.9	2.00	12.3	
Toluene*	<0.050	0.050	07/19/2024	ND	1.92	96.0	2.00	10.8	
Ethylbenzene*	<0.050	0.050	07/19/2024	ND	1.95	97.3	2.00	10.2	
Total Xylenes*	<0.150	0.150	07/19/2024	ND	5.72	95.4	6.00	10.6	
Total BTEX	<0.300	0.300	07/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3000	16.0	07/22/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2024	ND	226	113	200	3.45	
DRO >C10-C28*	<10.0	10.0	07/20/2024	ND	203	102	200	7.48	
EXT DRO >C28-C36	<10.0	10.0	07/20/2024	ND					

Surrogate: 1-Chlorooctane 96.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
TACOMA MORRISSEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 07/18/2024
Reported: 07/23/2024
Project Name: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Location: CONTANGO 32.361986,-103.170625

Sampling Date: 07/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: FS 45 4 (H244330-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/19/2024	ND	1.94	96.9	2.00	12.3		
Toluene*	<0.050	0.050	07/19/2024	ND	1.92	96.0	2.00	10.8		
Ethylbenzene*	<0.050	0.050	07/19/2024	ND	1.95	97.3	2.00	10.2		
Total Xylenes*	<0.150	0.150	07/19/2024	ND	5.72	95.4	6.00	10.6		
Total BTEX	<0.300	0.300	07/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3360	16.0	07/22/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2024	ND	226	113	200	3.45	
DRO >C10-C28*	<10.0	10.0	07/20/2024	ND	203	102	200	7.48	
EXT DRO >C28-C36	<10.0	10.0	07/20/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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Analytical Results For:

ENSOLUM
TACOMA MORRISSEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 07/18/2024
Reported: 07/23/2024
Project Name: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Location: CONTANGO 32.361986,-103.170625

Sampling Date: 07/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: FS 46 4 (H244330-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/19/2024	ND	1.94	96.9	2.00	12.3		
Toluene*	<0.050	0.050	07/19/2024	ND	1.92	96.0	2.00	10.8		
Ethylbenzene*	<0.050	0.050	07/19/2024	ND	1.95	97.3	2.00	10.2		
Total Xylenes*	<0.150	0.150	07/19/2024	ND	5.72	95.4	6.00	10.6		
Total BTEx	<0.300	0.300	07/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3600	16.0	07/22/2024	ND	416	104	400	7.41	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2024	ND	226	113	200	3.45	
DRO >C10-C28*	<10.0	10.0	07/20/2024	ND	203	102	200	7.48	
EXT DRO >C28-C36	<10.0	10.0	07/20/2024	ND					

Surrogate: 1-Chlorooctane 97.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Analytical Results For:

ENSOLUM
TACOMA MORRISSEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 07/18/2024
Reported: 07/23/2024
Project Name: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Location: CONTANGO 32.361986,-103.170625

Sampling Date: 07/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: FS 47 4 (H244330-07)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2024	ND	1.94	96.9	2.00	12.3	
Toluene*	<0.050	0.050	07/19/2024	ND	1.92	96.0	2.00	10.8	
Ethylbenzene*	<0.050	0.050	07/19/2024	ND	1.95	97.3	2.00	10.2	
Total Xylenes*	<0.150	0.150	07/19/2024	ND	5.72	95.4	6.00	10.6	
Total BTEX	<0.300	0.300	07/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3920	16.0	07/22/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2024	ND	226	113	200	3.45	
DRO >C10-C28*	28.3	10.0	07/20/2024	ND	203	102	200	7.48	
EXT DRO >C28-C36	<10.0	10.0	07/20/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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Analytical Results For:

ENSOLUM
TACOMA MORRISSEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 07/18/2024
Reported: 07/23/2024
Project Name: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Location: CONTANGO 32.361986,-103.170625

Sampling Date: 07/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: FS 48 4 (H244330-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2024	ND	1.84	91.9	2.00	7.32		
Toluene*	<0.050	0.050	07/22/2024	ND	1.83	91.7	2.00	5.25		
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	1.87	93.4	2.00	4.38		
Total Xylenes*	<0.150	0.150	07/22/2024	ND	5.52	92.0	6.00	4.59		
Total BTEX	<0.300	0.300	07/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3040	16.0	07/22/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2024	ND	226	113	200	3.45	
DRO >C10-C28*	31.5	10.0	07/20/2024	ND	203	102	200	7.48	
EXT DRO >C28-C36	<10.0	10.0	07/20/2024	ND					

Surrogate: 1-Chlorooctane 98.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Analytical Results For:

ENSOLUM
TACOMA MORRISSEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 07/18/2024
Reported: 07/23/2024
Project Name: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Location: CONTANGO 32.361986,-103.170625

Sampling Date: 07/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: FS 49 4 (H244330-09)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2024	ND	1.84	91.9	2.00	7.32	
Toluene*	<0.050	0.050	07/22/2024	ND	1.83	91.7	2.00	5.25	
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	1.87	93.4	2.00	4.38	
Total Xylenes*	<0.150	0.150	07/22/2024	ND	5.52	92.0	6.00	4.59	
Total BTEX	<0.300	0.300	07/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3440	16.0	07/22/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2024	ND	226	113	200	3.45	
DRO >C10-C28*	<10.0	10.0	07/20/2024	ND	203	102	200	7.48	
EXT DRO >C28-C36	<10.0	10.0	07/20/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
TACOMA MORRISSEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 07/18/2024
Reported: 07/23/2024
Project Name: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Location: CONTANGO 32.361986,-103.170625

Sampling Date: 07/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: FS 50 4 (H244330-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2024	ND	1.84	91.9	2.00	7.32		
Toluene*	<0.050	0.050	07/22/2024	ND	1.83	91.7	2.00	5.25		
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	1.87	93.4	2.00	4.38		
Total Xylenes*	<0.150	0.150	07/22/2024	ND	5.52	92.0	6.00	4.59		
Total BTEX	<0.300	0.300	07/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2480	16.0	07/22/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2024	ND	226	113	200	3.45	
DRO >C10-C28*	34.6	10.0	07/20/2024	ND	203	102	200	7.48	
EXT DRO >C28-C36	<10.0	10.0	07/20/2024	ND					

Surrogate: 1-Chlorooctane 97.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
TACOMA MORRISSEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 07/18/2024
Reported: 07/23/2024
Project Name: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Location: CONTANGO 32.361986,-103.170625

Sampling Date: 07/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: FS 51 4 (H244330-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2024	ND	1.84	91.9	2.00	7.32		
Toluene*	<0.050	0.050	07/22/2024	ND	1.83	91.7	2.00	5.25		
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	1.87	93.4	2.00	4.38		
Total Xylenes*	<0.150	0.150	07/22/2024	ND	5.52	92.0	6.00	4.59		
Total BTEX	<0.300	0.300	07/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4960	16.0	07/22/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2024	ND	232	116	200	6.88	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	210	105	200	11.9	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 89.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
TACOMA MORRISSEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 07/18/2024
Reported: 07/23/2024
Project Name: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Location: CONTANGO 32.361986,-103.170625

Sampling Date: 07/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: FS 52 4 (H244330-12)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2024	ND	1.84	91.9	2.00	7.32	
Toluene*	<0.050	0.050	07/22/2024	ND	1.83	91.7	2.00	5.25	
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	1.87	93.4	2.00	4.38	
Total Xylenes*	<0.150	0.150	07/22/2024	ND	5.52	92.0	6.00	4.59	
Total BTEX	<0.300	0.300	07/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	896	16.0	07/22/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2024	ND	232	116	200	6.88	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	210	105	200	11.9	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 98.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
TACOMA MORRISSEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 07/18/2024
Reported: 07/23/2024
Project Name: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Location: CONTANGO 32.361986,-103.170625

Sampling Date: 07/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: FS 53 4 (H244330-13)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2024	ND	1.84	91.9	2.00	7.32	
Toluene*	<0.050	0.050	07/22/2024	ND	1.83	91.7	2.00	5.25	
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	1.87	93.4	2.00	4.38	
Total Xylenes*	<0.150	0.150	07/22/2024	ND	5.52	92.0	6.00	4.59	
Total BTEX	<0.300	0.300	07/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8160	16.0	07/22/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2024	ND	232	116	200	6.88	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	210	105	200	11.9	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 97.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Analytical Results For:

ENSOLUM
TACOMA MORRISSEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 07/18/2024
Reported: 07/23/2024
Project Name: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Location: CONTANGO 32.361986,-103.170625

Sampling Date: 07/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: FS 54 4 (H244330-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2024	ND	1.84	91.9	2.00	7.32		
Toluene*	<0.050	0.050	07/22/2024	ND	1.83	91.7	2.00	5.25		
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	1.87	93.4	2.00	4.38		
Total Xylenes*	<0.150	0.150	07/22/2024	ND	5.52	92.0	6.00	4.59		
Total BTEX	<0.300	0.300	07/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1300	16.0	07/22/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2024	ND	232	116	200	6.88	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	210	105	200	11.9	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 96.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
TACOMA MORRISSEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 07/18/2024
Reported: 07/23/2024
Project Name: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Location: CONTANGO 32.361986,-103.170625

Sampling Date: 07/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: FS 55 4 (H244330-15)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2024	ND	1.84	91.9	2.00	7.32	
Toluene*	<0.050	0.050	07/22/2024	ND	1.83	91.7	2.00	5.25	
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	1.87	93.4	2.00	4.38	
Total Xylenes*	<0.150	0.150	07/22/2024	ND	5.52	92.0	6.00	4.59	
Total BTEX	<0.300	0.300	07/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	07/22/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2024	ND	232	116	200	6.88	
DRO >C10-C28*	14.6	10.0	07/22/2024	ND	210	105	200	11.9	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 93.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Analytical Results For:

ENSOLUM
TACOMA MORRISSEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 07/18/2024
Reported: 07/23/2024
Project Name: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Location: CONTANGO 32.361986,-103.170625

Sampling Date: 07/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: FS 56 4 (H244330-16)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2024	ND	1.84	91.9	2.00	7.32	
Toluene*	<0.050	0.050	07/22/2024	ND	1.83	91.7	2.00	5.25	
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	1.87	93.4	2.00	4.38	
Total Xylenes*	<0.150	0.150	07/22/2024	ND	5.52	92.0	6.00	4.59	
Total BTX	<0.300	0.300	07/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	07/22/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2024	ND	232	116	200	6.88	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	210	105	200	11.9	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 95.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Analytical Results For:

ENSOLUM
TACOMA MORRISSEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 07/18/2024
Reported: 07/23/2024
Project Name: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Location: CONTANGO 32.361986,-103.170625

Sampling Date: 07/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: FS 57 4 (H244330-17)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2024	ND	1.84	91.9	2.00	7.32		
Toluene*	<0.050	0.050	07/22/2024	ND	1.83	91.7	2.00	5.25		
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	1.87	93.4	2.00	4.38		
Total Xylenes*	<0.150	0.150	07/22/2024	ND	5.52	92.0	6.00	4.59		
Total BTEX	<0.300	0.300	07/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	07/22/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2024	ND	232	116	200	6.88	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	210	105	200	11.9	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Analytical Results For:

ENSOLUM
TACOMA MORRISSEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 07/18/2024
Reported: 07/23/2024
Project Name: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Location: CONTANGO 32.361986,-103.170625

Sampling Date: 07/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: FS 58 4 (H244330-18)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2024	ND	1.84	91.9	2.00	7.32		
Toluene*	<0.050	0.050	07/22/2024	ND	1.83	91.7	2.00	5.25		
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	1.87	93.4	2.00	4.38		
Total Xylenes*	<0.150	0.150	07/22/2024	ND	5.52	92.0	6.00	4.59		
Total BTEX	<0.300	0.300	07/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	07/22/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2024	ND	232	116	200	6.88	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	210	105	200	11.9	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
TACOMA MORRISSEY
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 07/18/2024
Reported: 07/23/2024
Project Name: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Location: CONTANGO 32.361986,-103.170625

Sampling Date: 07/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: FS 36 3 (H244330-19)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2024	ND	1.84	91.9	2.00	7.32	
Toluene*	<0.050	0.050	07/22/2024	ND	1.83	91.7	2.00	5.25	
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	1.87	93.4	2.00	4.38	
Total Xylenes*	<0.150	0.150	07/22/2024	ND	5.52	92.0	6.00	4.59	
Total BTEX	<0.300	0.300	07/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	07/22/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2024	ND	232	116	200	6.88	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	210	105	200	11.9	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 95.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC				BILL TO				ANALYSIS REQUEST																						
Project Manager: <u>Tacoma Morrissey</u>				P.O. #:																										
Address: <u>3122 National Parks Hwy</u>				Company: <u>Ensolum</u>																										
City: <u>Carlsbad</u> State: <u>NM</u> Zip: <u>88220</u>				Attn: <u>Tacoma Morrissey</u>																										
Phone #: _____ Fax #: _____				Address: <u>3122 National Parks Hwy</u>																										
Project #: <u>03C2344020</u> Project Owner: <u>Contango</u>				City: <u>Carlsbad</u>																										
Project Name: <u>Christmas 28 #05</u>				State: <u>NM</u> Zip: <u>88220</u>																										
Project Location: <u>32.361986, -103.170625</u>				Phone #: _____																										
Sampler Name: <u>Omar Hamdy</u>				Fax #: _____																										
FOR LAB USE ONLY	Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	MATRIX					PRESERV.		SAMPLING																		
				# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	BTEX	TPH	Chlorides												
	<u>H244330</u>																													
	<u>1</u>	<u>FS 41</u>	<u>4</u>	<u>C</u>			<u>✓</u>				<u>✓</u>	<u>✓</u>		<u>7/18/24</u>	<u>9:46</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>												
	<u>2</u>	<u>FS 42</u>					<u>✓</u>				<u>✓</u>	<u>✓</u>			<u>9:48</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>												
	<u>3</u>	<u>FS 43</u>					<u>✓</u>				<u>✓</u>	<u>✓</u>			<u>9:50</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>												
	<u>4</u>	<u>FS 44</u>					<u>✓</u>				<u>✓</u>	<u>✓</u>			<u>9:52</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>												
	<u>5</u>	<u>FS 45</u>					<u>✓</u>				<u>✓</u>	<u>✓</u>			<u>9:54</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>												
	<u>6</u>	<u>FS 46</u>					<u>✓</u>				<u>✓</u>	<u>✓</u>			<u>9:56</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>												
	<u>7</u>	<u>FS 47</u>					<u>✓</u>				<u>✓</u>	<u>✓</u>			<u>9:58</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>												
	<u>8</u>	<u>FS 48</u>					<u>✓</u>				<u>✓</u>	<u>✓</u>			<u>10:00</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>												
	<u>9</u>	<u>FS 49</u>					<u>✓</u>				<u>✓</u>	<u>✓</u>			<u>10:03</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>												
	<u>10</u>	<u>FS 50</u>					<u>✓</u>				<u>✓</u>	<u>✓</u>			<u>10:05</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>												

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Relinquished By:	Date: <u>7-18-24</u>	Received By:	Verbal Result: ☐ Yes ☒ No Add'l Phone #:
<u>Omar</u>	Time: <u>1:51</u>	<u>APC</u>	All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	<u>tmorrissey@ensolum.com</u>
	Time:		REMARKS:
			<u>nAPP2407128665</u>
Delivered By: (Circle One)	Observed Temp. °C	Sample Condition	Turnaround Time:
Sampler - UPS - Bus - Other:	<u>59°C</u>	Cool Intact ☒ Yes ☐ No	<u>AP 7-18-24</u>
	Corrected Temp. °C	Checked By: (Initials)	Thermometer ID #113
		<u>AP</u>	Correction Factor: <u>-0.5°C</u>
			Standard ☒ Rush ☐
			Bacteria (only) Sample Condition
			Cool Intact ☐ Yes ☐ No
			Observed Temp. °C
			Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

January 13, 2025

BRIAN SULZBERGER

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: CHRISTMAS 28 #05

Enclosed are the results of analyses for samples received by the laboratory on 01/07/25 15:49.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
BRIAN SULZBERGER
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 01/07/2025
Reported: 01/13/2025
Project Name: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Location: 32.36198,-103.17062

Sampling Date: 01/07/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS 17 4 (H250065-01)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/09/2025	ND	1.76	87.8	2.00	2.71		
Toluene*	<0.050	0.050	01/09/2025	ND	1.82	91.2	2.00	1.99		
Ethylbenzene*	<0.050	0.050	01/09/2025	ND	1.85	92.7	2.00	1.22		
Total Xylenes*	<0.150	0.150	01/09/2025	ND	5.67	94.4	6.00	1.29		
Total BTEX	<0.300	0.300	01/09/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	01/08/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2025	ND	176	88.1	200	3.02	
DRO >C10-C28*	<10.0	10.0	01/08/2025	ND	179	89.6	200	6.82	
EXT DRO >C28-C36	<10.0	10.0	01/08/2025	ND					

Surrogate: 1-Chlorooctane 58.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 55.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
BRIAN SULZBERGER
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 01/07/2025
Reported: 01/13/2025
Project Name: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Location: 32.36198,-103.17062

Sampling Date: 01/07/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS 21 4 (H250065-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/09/2025	ND	1.76	87.8	2.00	2.71		
Toluene*	<0.050	0.050	01/09/2025	ND	1.82	91.2	2.00	1.99		
Ethylbenzene*	<0.050	0.050	01/09/2025	ND	1.85	92.7	2.00	1.22		
Total Xylenes*	<0.150	0.150	01/09/2025	ND	5.67	94.4	6.00	1.29		
Total BTEx	<0.300	0.300	01/09/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	01/08/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2025	ND	176	88.1	200	3.02	
DRO >C10-C28*	<10.0	10.0	01/08/2025	ND	179	89.6	200	6.82	
EXT DRO >C28-C36	<10.0	10.0	01/08/2025	ND					

Surrogate: 1-Chlorooctane 71.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.2 % 49.1-148

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
BRIAN SULZBERGER
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 01/07/2025
Reported: 01/13/2025
Project Name: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Location: 32.36198,-103.17062

Sampling Date: 01/07/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS 22 4 (H250065-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/09/2025	ND	1.76	87.8	2.00	2.71		
Toluene*	<0.050	0.050	01/09/2025	ND	1.82	91.2	2.00	1.99		
Ethylbenzene*	<0.050	0.050	01/09/2025	ND	1.85	92.7	2.00	1.22		
Total Xylenes*	<0.150	0.150	01/09/2025	ND	5.67	94.4	6.00	1.29		
Total BTEx	<0.300	0.300	01/09/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	01/08/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2025	ND	176	88.1	200	3.02	
DRO >C10-C28*	<10.0	10.0	01/08/2025	ND	179	89.6	200	6.82	
EXT DRO >C28-C36	<10.0	10.0	01/08/2025	ND					

Surrogate: 1-Chlorooctane 75.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.3 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
BRIAN SULZBERGER
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 01/07/2025
Reported: 01/13/2025
Project Name: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Location: 32.36198,-103.17062

Sampling Date: 01/07/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS 24 4 (H250065-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/09/2025	ND	1.76	87.8	2.00	2.71		
Toluene*	<0.050	0.050	01/09/2025	ND	1.82	91.2	2.00	1.99		
Ethylbenzene*	<0.050	0.050	01/09/2025	ND	1.85	92.7	2.00	1.22		
Total Xylenes*	<0.150	0.150	01/09/2025	ND	5.67	94.4	6.00	1.29		
Total BTEX	<0.300	0.300	01/09/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	01/08/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2025	ND	176	88.1	200	3.02	
DRO >C10-C28*	<10.0	10.0	01/08/2025	ND	179	89.6	200	6.82	
EXT DRO >C28-C36	<10.0	10.0	01/08/2025	ND					

Surrogate: 1-Chlorooctane 77.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
BRIAN SULZBERGER
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 01/07/2025
Reported: 01/13/2025
Project Name: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Location: 32.36198,-103.17062

Sampling Date: 01/07/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS 27 4 (H250065-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/09/2025	ND	1.76	87.8	2.00	2.71		
Toluene*	<0.050	0.050	01/09/2025	ND	1.82	91.2	2.00	1.99		
Ethylbenzene*	<0.050	0.050	01/09/2025	ND	1.85	92.7	2.00	1.22		
Total Xylenes*	<0.150	0.150	01/09/2025	ND	5.67	94.4	6.00	1.29		
Total BTEX	<0.300	0.300	01/09/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	01/08/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/09/2025	ND	176	88.1	200	3.02	
DRO >C10-C28*	<10.0	10.0	01/09/2025	ND	179	89.6	200	6.82	
EXT DRO >C28-C36	<10.0	10.0	01/09/2025	ND					

Surrogate: 1-Chlorooctane 78.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.5 % 49.1-148

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Analytical Results For:

ENSOLUM
BRIAN SULZBERGER
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 01/07/2025
Reported: 01/13/2025
Project Name: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Location: 32.36198,-103.17062

Sampling Date: 01/07/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS 31 4 (H250065-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/09/2025	ND	1.76	87.8	2.00	2.71		
Toluene*	<0.050	0.050	01/09/2025	ND	1.82	91.2	2.00	1.99		
Ethylbenzene*	<0.050	0.050	01/09/2025	ND	1.85	92.7	2.00	1.22		
Total Xylenes*	<0.150	0.150	01/09/2025	ND	5.67	94.4	6.00	1.29		
Total BTEX	<0.300	0.300	01/09/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	01/08/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/09/2025	ND	176	88.1	200	3.02	
DRO >C10-C28*	<10.0	10.0	01/09/2025	ND	179	89.6	200	6.82	
EXT DRO >C28-C36	<10.0	10.0	01/09/2025	ND					

Surrogate: 1-Chlorooctane 76.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.4 % 49.1-148

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Analytical Results For:

ENSOLUM
BRIAN SULZBERGER
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 01/07/2025
Reported: 01/13/2025
Project Name: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Location: 32.36198,-103.17062

Sampling Date: 01/07/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS 32 4 (H250065-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/09/2025	ND	1.91	95.3	2.00	2.44		
Toluene*	<0.050	0.050	01/09/2025	ND	1.87	93.7	2.00	4.26		
Ethylbenzene*	<0.050	0.050	01/09/2025	ND	2.00	100	2.00	5.90		
Total Xylenes*	<0.150	0.150	01/09/2025	ND	6.04	101	6.00	5.76		
Total BTEX	<0.300	0.300	01/09/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	01/08/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2025	ND	210	105	200	2.90	
DRO >C10-C28*	<10.0	10.0	01/08/2025	ND	205	103	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	01/08/2025	ND					

Surrogate: 1-Chlorooctane 84.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.5 % 49.1-148

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Analytical Results For:

ENSOLUM
BRIAN SULZBERGER
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 01/07/2025
Reported: 01/13/2025
Project Name: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Location: 32.36198,-103.17062

Sampling Date: 01/07/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS 41 5 (H250065-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/09/2025	ND	1.91	95.3	2.00	2.44		
Toluene*	<0.050	0.050	01/09/2025	ND	1.87	93.7	2.00	4.26		
Ethylbenzene*	<0.050	0.050	01/09/2025	ND	2.00	100	2.00	5.90		
Total Xylenes*	<0.150	0.150	01/09/2025	ND	6.04	101	6.00	5.76		
Total BTEx	<0.300	0.300	01/09/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/08/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2025	ND	210	105	200	2.90	
DRO >C10-C28*	<10.0	10.0	01/08/2025	ND	205	103	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	01/08/2025	ND					

Surrogate: 1-Chlorooctane 94.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.3 % 49.1-148

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Analytical Results For:

ENSOLUM
BRIAN SULZBERGER
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 01/07/2025
Reported: 01/13/2025
Project Name: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Location: 32.36198,-103.17062

Sampling Date: 01/07/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS 42 5 (H250065-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/09/2025	ND	1.91	95.3	2.00	2.44		
Toluene*	<0.050	0.050	01/09/2025	ND	1.87	93.7	2.00	4.26		
Ethylbenzene*	<0.050	0.050	01/09/2025	ND	2.00	100	2.00	5.90		
Total Xylenes*	<0.150	0.150	01/09/2025	ND	6.04	101	6.00	5.76		
Total BTEx	<0.300	0.300	01/09/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	01/08/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2025	ND	210	105	200	2.90	
DRO >C10-C28*	<10.0	10.0	01/08/2025	ND	205	103	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	01/08/2025	ND					

Surrogate: 1-Chlorooctane 88.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.5 % 49.1-148

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Analytical Results For:

ENSOLUM
BRIAN SULZBERGER
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 01/07/2025
Reported: 01/13/2025
Project Name: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Location: 32.36198,-103.17062

Sampling Date: 01/07/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS 43 5 (H250065-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/09/2025	ND	1.91	95.3	2.00	2.44		
Toluene*	<0.050	0.050	01/09/2025	ND	1.87	93.7	2.00	4.26		
Ethylbenzene*	<0.050	0.050	01/09/2025	ND	2.00	100	2.00	5.90		
Total Xylenes*	<0.150	0.150	01/09/2025	ND	6.04	101	6.00	5.76		
Total BTEx	<0.300	0.300	01/09/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/08/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2025	ND	210	105	200	2.90	
DRO >C10-C28*	<10.0	10.0	01/08/2025	ND	205	103	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	01/08/2025	ND					

Surrogate: 1-Chlorooctane 93.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.5 % 49.1-148

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Analytical Results For:

ENSOLUM
BRIAN SULZBERGER
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 01/07/2025
Reported: 01/13/2025
Project Name: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Location: 32.36198,-103.17062

Sampling Date: 01/07/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS 44 5 (H250065-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/09/2025	ND	1.91	95.3	2.00	2.44		
Toluene*	<0.050	0.050	01/09/2025	ND	1.87	93.7	2.00	4.26		
Ethylbenzene*	<0.050	0.050	01/09/2025	ND	2.00	100	2.00	5.90		
Total Xylenes*	<0.150	0.150	01/09/2025	ND	6.04	101	6.00	5.76		
Total BTEX	<0.300	0.300	01/09/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	01/08/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2025	ND	210	105	200	2.90	
DRO >C10-C28*	<10.0	10.0	01/08/2025	ND	205	103	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	01/08/2025	ND					

Surrogate: 1-Chlorooctane 64.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 64.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
BRIAN SULZBERGER
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 01/07/2025
Reported: 01/13/2025
Project Name: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Location: 32.36198,-103.17062

Sampling Date: 01/07/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS 45 5 (H250065-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/09/2025	ND	1.91	95.3	2.00	2.44		
Toluene*	<0.050	0.050	01/09/2025	ND	1.87	93.7	2.00	4.26		
Ethylbenzene*	<0.050	0.050	01/09/2025	ND	2.00	100	2.00	5.90		
Total Xylenes*	<0.150	0.150	01/09/2025	ND	6.04	101	6.00	5.76		
Total BTEx	<0.300	0.300	01/09/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	01/08/2025	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2025	ND	210	105	200	2.90	
DRO >C10-C28*	<10.0	10.0	01/08/2025	ND	205	103	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	01/08/2025	ND					

Surrogate: 1-Chlorooctane 83.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
BRIAN SULZBERGER
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 01/07/2025
Reported: 01/13/2025
Project Name: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Location: 32.36198,-103.17062

Sampling Date: 01/07/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS 46 5 (H250065-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/09/2025	ND	1.91	95.3	2.00	2.44		
Toluene*	<0.050	0.050	01/09/2025	ND	1.87	93.7	2.00	4.26		
Ethylbenzene*	<0.050	0.050	01/09/2025	ND	2.00	100	2.00	5.90		
Total Xylenes*	<0.150	0.150	01/09/2025	ND	6.04	101	6.00	5.76		
Total BTEx	<0.300	0.300	01/09/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	01/08/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2025	ND	210	105	200	2.90	
DRO >C10-C28*	<10.0	10.0	01/08/2025	ND	205	103	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	01/08/2025	ND					

Surrogate: 1-Chlorooctane 91.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
BRIAN SULZBERGER
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 01/07/2025
Reported: 01/13/2025
Project Name: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Location: 32.36198,-103.17062

Sampling Date: 01/07/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS 47 5 (H250065-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/09/2025	ND	1.91	95.3	2.00	2.44		
Toluene*	<0.050	0.050	01/09/2025	ND	1.87	93.7	2.00	4.26		
Ethylbenzene*	<0.050	0.050	01/09/2025	ND	2.00	100	2.00	5.90		
Total Xylenes*	<0.150	0.150	01/09/2025	ND	6.04	101	6.00	5.76		
Total BTEX	<0.300	0.300	01/09/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/08/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2025	ND	210	105	200	2.90	
DRO >C10-C28*	<10.0	10.0	01/08/2025	ND	205	103	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	01/08/2025	ND					

Surrogate: 1-Chlorooctane 76.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.6 % 49.1-148

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Analytical Results For:

ENSOLUM
BRIAN SULZBERGER
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 01/07/2025
Reported: 01/13/2025
Project Name: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Location: 32.36198,-103.17062

Sampling Date: 01/07/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS 48 5 (H250065-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/09/2025	ND	1.91	95.3	2.00	2.44		
Toluene*	<0.050	0.050	01/09/2025	ND	1.87	93.7	2.00	4.26		
Ethylbenzene*	<0.050	0.050	01/09/2025	ND	2.00	100	2.00	5.90		
Total Xylenes*	<0.150	0.150	01/09/2025	ND	6.04	101	6.00	5.76		
Total BTEx	<0.300	0.300	01/09/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	01/08/2025	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2025	ND	210	105	200	2.90	
DRO >C10-C28*	<10.0	10.0	01/08/2025	ND	205	103	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	01/08/2025	ND					

Surrogate: 1-Chlorooctane 94.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.6 % 49.1-148

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Analytical Results For:

ENSOLUM
 BRIAN SULZBERGER
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received: 01/07/2025
 Reported: 01/13/2025
 Project Name: CHRISTMAS 28 #05
 Project Number: 03C2344020
 Project Location: 32.36198,-103.17062

Sampling Date: 01/07/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 49 5 (H250065-16)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/09/2025	ND	1.91	95.3	2.00	2.44		
Toluene*	<0.050	0.050	01/09/2025	ND	1.87	93.7	2.00	4.26		
Ethylbenzene*	<0.050	0.050	01/09/2025	ND	2.00	100	2.00	5.90		
Total Xylenes*	<0.150	0.150	01/09/2025	ND	6.04	101	6.00	5.76		
Total BTEx	<0.300	0.300	01/09/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	01/08/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2025	ND	210	105	200	2.90	
DRO >C10-C28*	<10.0	10.0	01/08/2025	ND	205	103	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	01/08/2025	ND					

Surrogate: 1-Chlorooctane 96.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.7 % 49.1-148

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Analytical Results For:

ENSOLUM
BRIAN SULZBERGER
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 01/07/2025
Reported: 01/13/2025
Project Name: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Location: 32.36198,-103.17062

Sampling Date: 01/07/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS 50 5 (H250065-17)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/09/2025	ND	1.91	95.3	2.00	2.44		
Toluene*	<0.050	0.050	01/09/2025	ND	1.87	93.7	2.00	4.26		
Ethylbenzene*	<0.050	0.050	01/09/2025	ND	2.00	100	2.00	5.90		
Total Xylenes*	<0.150	0.150	01/09/2025	ND	6.04	101	6.00	5.76		
Total BTEx	<0.300	0.300	01/09/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	01/08/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2025	ND	210	105	200	2.90	
DRO >C10-C28*	<10.0	10.0	01/08/2025	ND	205	103	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	01/08/2025	ND					

Surrogate: 1-Chlorooctane 89.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.0 % 49.1-148

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Analytical Results For:

ENSOLUM
BRIAN SULZBERGER
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 01/07/2025
Reported: 01/13/2025
Project Name: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Location: 32.36198,-103.17062

Sampling Date: 01/07/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS 51 5 (H250065-18)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/09/2025	ND	1.91	95.3	2.00	2.44		
Toluene*	<0.050	0.050	01/09/2025	ND	1.87	93.7	2.00	4.26		
Ethylbenzene*	<0.050	0.050	01/09/2025	ND	2.00	100	2.00	5.90		
Total Xylenes*	<0.150	0.150	01/09/2025	ND	6.04	101	6.00	5.76		
Total BTEx	<0.300	0.300	01/09/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	01/08/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2025	ND	210	105	200	2.90	
DRO >C10-C28*	<10.0	10.0	01/08/2025	ND	205	103	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	01/08/2025	ND					

Surrogate: 1-Chlorooctane 88.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.2 % 49.1-148

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Analytical Results For:

ENSOLUM
BRIAN SULZBERGER
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 01/07/2025
Reported: 01/13/2025
Project Name: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Location: 32.36198,-103.17062

Sampling Date: 01/07/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS 52 5 (H250065-19)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/09/2025	ND	1.91	95.3	2.00	2.44		
Toluene*	<0.050	0.050	01/09/2025	ND	1.87	93.7	2.00	4.26		
Ethylbenzene*	<0.050	0.050	01/09/2025	ND	2.00	100	2.00	5.90		
Total Xylenes*	<0.150	0.150	01/09/2025	ND	6.04	101	6.00	5.76		
Total BTEX	<0.300	0.300	01/09/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	01/08/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2025	ND	210	105	200	2.90	
DRO >C10-C28*	<10.0	10.0	01/08/2025	ND	205	103	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	01/08/2025	ND					

Surrogate: 1-Chlorooctane 98.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
BRIAN SULZBERGER
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 01/07/2025
Reported: 01/13/2025
Project Name: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Location: 32.36198,-103.17062

Sampling Date: 01/07/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS 53 5 (H250065-20)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/09/2025	ND	1.91	95.3	2.00	2.44		
Toluene*	<0.050	0.050	01/09/2025	ND	1.87	93.7	2.00	4.26		
Ethylbenzene*	<0.050	0.050	01/09/2025	ND	2.00	100	2.00	5.90		
Total Xylenes*	<0.150	0.150	01/09/2025	ND	6.04	101	6.00	5.76		
Total BTEx	<0.300	0.300	01/09/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	01/08/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2025	ND	210	105	200	2.90	
DRO >C10-C28*	<10.0	10.0	01/08/2025	ND	205	103	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	01/08/2025	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Analytical Results For:

ENSOLUM
BRIAN SULZBERGER
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 01/07/2025
Reported: 01/13/2025
Project Name: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Location: 32.36198,-103.17062

Sampling Date: 01/07/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS 54 5 (H250065-21)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/09/2025	ND	1.91	95.3	2.00	2.44		
Toluene*	<0.050	0.050	01/09/2025	ND	1.87	93.7	2.00	4.26		
Ethylbenzene*	<0.050	0.050	01/09/2025	ND	2.00	100	2.00	5.90		
Total Xylenes*	<0.150	0.150	01/09/2025	ND	6.04	101	6.00	5.76		
Total BTEx	<0.300	0.300	01/09/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	01/08/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2025	ND	210	105	200	2.90	
DRO >C10-C28*	<10.0	10.0	01/08/2025	ND	205	103	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	01/08/2025	ND					

Surrogate: 1-Chlorooctane 81.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
BRIAN SULZBERGER
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 01/07/2025
Reported: 01/13/2025
Project Name: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Location: 32.36198,-103.17062

Sampling Date: 01/07/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS 55 5 (H250065-22)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/09/2025	ND	1.91	95.3	2.00	2.44		
Toluene*	<0.050	0.050	01/09/2025	ND	1.87	93.7	2.00	4.26		
Ethylbenzene*	<0.050	0.050	01/09/2025	ND	2.00	100	2.00	5.90		
Total Xylenes*	<0.150	0.150	01/09/2025	ND	6.04	101	6.00	5.76		
Total BTEx	<0.300	0.300	01/09/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	01/08/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2025	ND	210	105	200	2.90	
DRO >C10-C28*	<10.0	10.0	01/08/2025	ND	205	103	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	01/08/2025	ND					

Surrogate: 1-Chlorooctane 93.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
BRIAN SULZBERGER
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 01/07/2025
Reported: 01/13/2025
Project Name: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Location: 32.36198,-103.17062

Sampling Date: 01/07/2025
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SW 06 0.5 (H250065-23)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/09/2025	ND	1.91	95.3	2.00	2.44		
Toluene*	<0.050	0.050	01/09/2025	ND	1.87	93.7	2.00	4.26		
Ethylbenzene*	<0.050	0.050	01/09/2025	ND	2.00	100	2.00	5.90		
Total Xylenes*	<0.150	0.150	01/09/2025	ND	6.04	101	6.00	5.76		
Total BTEx	<0.300	0.300	01/09/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9040	16.0	01/08/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2025	ND	210	105	200	2.90	
DRO >C10-C28*	<10.0	10.0	01/08/2025	ND	205	103	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	01/08/2025	ND					

Surrogate: 1-Chlorooctane 99.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Notes and Definitions

- QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

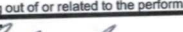
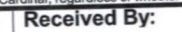
CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 3

(70) East Main St., Suite 206 Midland, TX 79701								(575) 393-2326 FAX (575) 393-2476	BILL TO	ANALYSIS REQUEST															
Company Name: Ensolum, LLC									P.O. #:																
Project Manager: Brian Sulzberger									Company: Ensolum																
Address: 3122 National Parks Hwy									Attn:																
City: Midland ^{JTB} Carlsbad State: TX NM Zip: 88220									Address:																
Phone #: 720 376 8066 Fax #:									City:																
Project #: 03C2344020 Project Owner: Contango									State: Zip:																
Project Name: Christmas 2B #5									Phone #:																
Project Location: 32.36198, -103.17062									Fax #:																
Sampler Name: Joshua Boxley																									
								MATRIX	PRESERV.	SAMPLING															
FOR LAB USE ONLY																									
Lab I.D.	Sample I.D.	Depth (feet)	(G/RAB OR C/JOMP. # CONTAINERS	GROUNWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE: ☒	ICE / COOL ☒	OTHER :	DATE	TIME	Chlorides	TPH	BTX								
H2500WS																									
1	FS17	4	C1	X						N			1.725	0950	/	/	/								
2	FS21	↑												0955											
3	FS22													1000											
4	FS24													1255											
5	FS27													1250											
6	FS31	v												1245											
7	FS32	4												1050											
8	FS41	5												0945											
9	FS42	5												0950											
10	FS43	5	C1	X						N			↓ 1.725	0955	/	/	/								

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Date:	Received By:	Verbal Result:
-------	--------------	----------------

Relinquished By: 		Date: 1-7-25 Time: 1549		Received By: 		Verbal Result: ☐ Yes ☐ No Add'l Phone #: _____ All Results are emailed. Please provide Email address: BSulzberger@ensolab.com, T.Morrissey@ensolab.com, KThomas@ensolab.com	
Relinquished By:		Date: Time:		Received By:		REMARKS: WAPP 2407128665	
Delivered By: (Circle One)		Observed Temp. °C: 5.0		Sample Condition Cool Intact ☐ Yes ☐ Yes ☐ No ☐ No		CHECKED BY: (Initials) 	
Sampler - UPS - Bus - Other:		Corrected Temp. °C: 5.0		Turnaround Time: 5 day Standard ☒ Rush ☐ Thermometer ID #113 Correction Factor -0.5°C		Bacteria (only) Sample Condition Cool Intact Observed Temp. °C ☐ Yes ☐ Yes ☐ No ☐ No Corrected Temp. °C	

FORM-006 R 3.2 10/07/21

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(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 3

(575) 393-2326 FAX (575) 393-2476

Company Name: Ensolum, LLC

Project Manager: Brian Sulzberger

Address: 3122 National Parks Hwy

City: Carlsbad State: NM Zip: 88220

Phone #: 720 376 8066 Fax #:

Project #: 03C2344020 Project Owner: XTO Contango

Project Name: Christmas 28 #5

Project Location: 32.36198, -103.17062

Sampler Name: Joshua Boxley

BILL TO

P.O. #: Ensolum

Company: XTO Energy Inc.

Attn: Amy Ruth

Address: 3104 E Green St

City: Carlsbad

State: NM Zip: 88220

Phone #:

Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

Depth
(feet)

(GRAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER:

ACID/BASE:

ICE / COOL

OTHER:

MATRIX

PRESERV.

SAMPLING

DATE TIME

H250205

FS44

5'

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1.7.25

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FS45

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1.7.25

1005

FS46

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1.7.25

1010

FS47

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1.7.25

1015

FS48

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1.7.25

1020

FS49

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1

1

1



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(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3 of 3

Page 28 of 28

[illegible]

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Relinquished By:		Date: 11-25	Received By: SPool/Rigney		Verbal Result: ☐ Yes ☐ No Add'l Phone #:	
		Time: 1549			All Results are emailed. Please provide Email address:	
					BSulzberger@ensolum.com, TMorrissey@ensolum.com, kthomason@ensolum.com	
Relinquished By:		Date:	Received By:		REMARKS:	
		Time:			Incident: WAPP2407128665	
					Cost Center:	
Delivered By: (Circle One)	Observed Temp. °C 56.1	Sample Condition Cool Intact	CHECKED BY: (Initials) SP	Turnaround Time: 5 days	Standard ☒ Rush ☐	Bacteria (only) Sample Condition
Sampler - UPS - Bus - Other:	Corrected Temp. °C 5.0	☐ Yes ☒ No		Thermometer ID #113	#6.6	Cool Intact Observed Temp. °C
		☐ Yes ☒ No		Correction Factor -0.5°C		☐ Yes ☒ No Corrected Temp. °C

FORM-006 R 3.2 10/07/21

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

February 11, 2025

JEREMY REICH

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: CHRISTMAS 28 #05

Enclosed are the results of analyses for samples received by the laboratory on 02/05/25 12:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at

www.tceq.texas.gov/field/ga/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Total Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220Project: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Manager: JEREMY REICH
Fax To:Reported:
11-Feb-25 13:17

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CS01 0.5'	H250698-01	Soil	05-Feb-25 10:58	05-Feb-25 12:55
CS01A 1'	H250698-02	Soil	05-Feb-25 11:25	05-Feb-25 12:55

Sample received on ice the same day as sampling. Not enough time to reach 6C or below.

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A handwritten signature in black ink, appearing to read "C. D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Manager: JEREMY REICH
Fax To:

Reported:
11-Feb-25 13:17

CS01 0.5'
H250698-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	560		16.0	mg/kg	4	5020643	HM	06-Feb-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	5020543	JH	06-Feb-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5020543	JH	06-Feb-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5020543	JH	06-Feb-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5020543	JH	06-Feb-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5020543	JH	06-Feb-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)		109 %		71.5-134	5020543	JH	06-Feb-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	5020552	MS	06-Feb-25	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5020552	MS	06-Feb-25	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5020552	MS	06-Feb-25	8015B	

Surrogate: 1-Chlorooctane		87.5 %		48.2-134	5020552	MS	06-Feb-25	8015B	
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Surrogate: 1-Chlorooctadecane		94.8 %		49.1-148	5020552	MS	06-Feb-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Manager: JEREMY REICH
Fax To:

Reported:
11-Feb-25 13:17

CS01A 1'
H250698-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	304		16.0	mg/kg	4	5020643	HM	06-Feb-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5020543	JH	06-Feb-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5020543	JH	06-Feb-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5020543	JH	06-Feb-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5020543	JH	06-Feb-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5020543	JH	06-Feb-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			108 %	71.5-134		5020543	JH	06-Feb-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5020552	MS	06-Feb-25	8015B	
DRO >C10-C28*	18.2		10.0	mg/kg	1	5020552	MS	06-Feb-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5020552	MS	06-Feb-25	8015B	

Surrogate: 1-Chlorooctane			100 %	48.2-134		5020552	MS	06-Feb-25	8015B	
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Surrogate: 1-Chlorooctadecane			108 %	49.1-148		5020552	MS	06-Feb-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Manager: JEREMY REICH
Fax To:

Reported:
11-Feb-25 13:17

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 5020643 - 1:4 DI Water									
Blank (5020643-BLK1)				Prepared & Analyzed: 06-Feb-25					
Chloride	ND	16.0	mg/kg						
LCS (5020643-BS1)				Prepared & Analyzed: 06-Feb-25					
Chloride	432	16.0	mg/kg	400		108	80-120		
LCS Dup (5020643-BSD1)				Prepared & Analyzed: 06-Feb-25					
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Manager: JEREMY REICH
Fax To:

Reported:
11-Feb-25 13:17

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5020543 - Volatiles**Blank (5020543-BLK1)**

Prepared: 05-Feb-25 Analyzed: 06-Feb-25

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0550		mg/kg	0.0500		110	71.5-134			

LCS (5020543-BS1)

Prepared: 05-Feb-25 Analyzed: 06-Feb-25

Benzene	2.16	0.050	mg/kg	2.00		108	82.8-130			
Toluene	2.24	0.050	mg/kg	2.00		112	86-128			
Ethylbenzene	2.28	0.050	mg/kg	2.00		114	85.9-128			
m,p-Xylene	4.71	0.100	mg/kg	4.00		118	89-129			
o-Xylene	2.21	0.050	mg/kg	2.00		110	86.1-125			
Total Xylenes	6.92	0.150	mg/kg	6.00		115	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0514		mg/kg	0.0500		103	71.5-134			

LCS Dup (5020543-BSD1)

Prepared: 05-Feb-25 Analyzed: 06-Feb-25

Benzene	2.15	0.050	mg/kg	2.00		107	82.8-130	0.800	15.8	
Toluene	2.24	0.050	mg/kg	2.00		112	86-128	0.132	15.9	
Ethylbenzene	2.28	0.050	mg/kg	2.00		114	85.9-128	0.151	16	
m,p-Xylene	4.71	0.100	mg/kg	4.00		118	89-129	0.0152	16.2	
o-Xylene	2.21	0.050	mg/kg	2.00		110	86.1-125	0.163	16.7	
Total Xylenes	6.92	0.150	mg/kg	6.00		115	88.2-128	0.0416	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0512		mg/kg	0.0500		102	71.5-134			

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Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: CHRISTMAS 28 #05
Project Number: 03C2344020
Project Manager: JEREMY REICH
Fax To:

Reported:
11-Feb-25 13:17

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5020552 - General Prep - Organics**Blank (5020552-BLK1)**

Prepared: 05-Feb-25 Analyzed: 06-Feb-25

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	63.1		mg/kg	50.0		126	48.2-134			
Surrogate: 1-Chlorooctadecane	70.8		mg/kg	50.0		142	49.1-148			

LCS (5020552-BS1)

Prepared: 05-Feb-25 Analyzed: 06-Feb-25

GRO C6-C10	218	10.0	mg/kg	200		109	81.5-123			
DRO >C10-C28	213	10.0	mg/kg	200		106	77.7-122			
Total TPH C6-C28	430	10.0	mg/kg	400		108	80.9-121			
Surrogate: 1-Chlorooctane	64.0		mg/kg	50.0		128	48.2-134			
Surrogate: 1-Chlorooctadecane	72.4		mg/kg	50.0		145	49.1-148			

LCS Dup (5020552-BSD1)

Prepared: 05-Feb-25 Analyzed: 06-Feb-25

GRO C6-C10	227	10.0	mg/kg	200		113	81.5-123	4.10	13	
DRO >C10-C28	226	10.0	mg/kg	200		113	77.7-122	6.27	15.6	
Total TPH C6-C28	453	10.0	mg/kg	400		113	80.9-121	5.17	18.5	
Surrogate: 1-Chlorooctane	63.7		mg/kg	50.0		127	48.2-134			
Surrogate: 1-Chlorooctadecane	68.5		mg/kg	50.0		137	49.1-148			

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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: Ensolum, LLC				BILL TO				ANALYSIS REQUEST											
Project Manager: Jeremy Reich				P.O. #:															
Address: 601 N Marienfeld Street, suite 400				Company: Ensolum, LLC															
City: Midland State: TX Zip: 79701				Attn:															
Phone #: 432-296-0627 Fax #:				Address:															
Project #: 03C2344020 Project Owner:				City:															
Project Name: Christmas 28 #05				State: NM Zip:															
Project Location: 32.361986, -103.170625				Phone #:															
Sampler Name: Uriel Santillana				Fax #:															
FOR LAB USE ONLY																			
Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.	SAMPLING		Chloride BTX TPH						
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL				OTHER:	DATE	TIME	
1250005 b	CS01 CS01A	0.5' 1'	C C	1 1			X X					X X					2/5/25 ↓	1058 1125	
US																			

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Relinquished By:	Date: 2-5-25	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1:55		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	jeich@ensolum.com kthomason@ensolum.com usantillana@ensolum.com
	Time:		REMARKS:
			incident number: NAPP2407128665
Delivered By: (Circle One)	Observed Temp. °C: 10.8	Sample Condition	Turnaround Time: #140 10:30
Sampler - UPS - Bus - Other:	Corrected Temp. °C: 11.12	Cool Intact ☐ Yes ☐ No	Standard ☒ Rush ☐
		Checked By: (Initials) SK	Bacteria (only) Sample Condition
			Cool Intact ☐ Yes ☐ No
			Thermometer ID #113
			Correction Factor: 0.5°C

FORM-006 R 3.2 10/07/21

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

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

QUESTIONS

Action 494499

QUESTIONS

Operator: Contango Resources, LLC 3230 Camp Bowie Blvd FORT WORTH, TX 76107	OGRID: 330447
	Action Number: 494499
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2407128665
Incident Name	NAPP2407128665 CHRISTMAS 28 # 05 @ 30-025-39376
Incident Type	Produced Water Release
Incident Status	Deferral Request Received
Incident Well	[30-025-39376] CHRISTMAS 28 #005

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Christmas 28 # 05
Date Release Discovered	03/10/2024
Surface Owner	Private

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water 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	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Blow Out Well Crude Oil Released: 5 BBL Recovered: 5 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Blow Out Well Produced Water Released: 40 BBL Recovered: 40 BBL Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Standing fluid was immediately picked up with a vacuum truck and skid steer to prevent any further delineation of fluid.

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QUESTIONS, Page 2

Action 494499

QUESTIONS (continued)

Operator: Contango Resources, LLC 3230 Camp Bowie Blvd FORT WORTH, TX 76107	OGRID: 330447
	Action Number: 494499
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

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	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
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: Chris Davis Title: EHS Supervisor Email: chris.davis@contango.com Date: 03/22/2024
--	---

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QUESTIONS, Page 3

Action 494499

QUESTIONS (continued)

Operator: Contango Resources, LLC 3230 Camp Bowie Blvd FORT WORTH, TX 76107	OGRID: 330447
	Action Number: 494499
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Site Characterization	
<i>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.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between ½ and 1 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 500 and 1000 (ft.)
Any other fresh water well or spring	Between 500 and 1000 (ft.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<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>	
Requesting a remediation plan approval with this submission	Yes
<i>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.</i>	
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)	9040
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	26.1
GRO+DRO (EPA SW-846 Method 8015M)	26.1
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<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>	
On what estimated date will the remediation commence	06/27/2024
On what date will (or did) the final sampling or liner inspection occur	01/07/2025
On what date will (or was) the remediation complete(d)	01/07/2025
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	12200
What is the estimated volume (in cubic yards) that will be remediated	1800
<i>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.</i>	
<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 4

Action 494499

QUESTIONS (continued)

Operator: Contango Resources, LLC 3230 Camp Bowie Blvd FORT WORTH, TX 76107	OGRID: 330447
	Action Number: 494499
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

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	Not answered.
OR which OCD approved well (API) will be used for off-site disposal	30-025-39376 CHRISTMAS 28 #005
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)	Not answered.
(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: Tacoma Morrissey Title: Consultant Email: tmorrissey@ensolum.com Date: 08/11/2025
<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 494499

QUESTIONS (continued)

Operator: Contango Resources, LLC 3230 Camp Bowie Blvd FORT WORTH, TX 76107	OGRID: 330447
	Action Number: 494499
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Deferral Requests Only	
<i>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.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	Pumpjack, concrete footing, process piping
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	Not answered.
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	Not answered.
<i>Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.</i>	
Enter the facility ID (f#) on which this deferral should be granted	Not answered.
Enter the well API (30-) on which this deferral should be granted	30-025-39376 CHRISTMAS 28 #005
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
<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: Tacoma Morrissey Title: Consultant Email: tmorrissey@ensolum.com Date: 08/11/2025

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

QUESTIONS, Page 6

Action 494499

QUESTIONS (continued)

Operator: Contango Resources, LLC 3230 Camp Bowie Blvd FORT WORTH, TX 76107	OGRID: 330447
	Action Number: 494499
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	426662
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/05/2025
What was the (estimated) number of samples that were to be gathered	1
What was the sampling surface area in square feet	200

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	No

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 494499

CONDITIONS

Operator: Contango Resources, LLC 3230 Camp Bowie Blvd FORT WORTH, TX 76107	OGRID: 330447
	Action Number: 494499
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
nvez	Deferral is approved. Remediation Due date will be left open until the site has been plugged and abandoned or a major facility deconstruction takes place.	8/19/2025