ENSOLUM

June 22, 2022

District 1
New Mexico Oil Conservation Division
1625 N. French Dr.
Hobbs, New Mexico 88240

Re: Closure Request
Fascinator Fee Com 002H
Incident Number NAPP2201131030
Lea County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum) on behalf of COG Operating, LLC (COG), has prepared this Closure Request to document site assessment, excavation, and soil sampling activities performed at the Fascinator Fee Com 002H (Site). The purpose of the site assessment, excavation, and soil sampling activities was to address impacts to soil resulting from a crude oil flare fire at the Site. Based on the excavation activities and laboratory analytical results from the soil sampling events, COG is submitting this Closure Request, describing remediation that has occurred and requesting closure for Incident Number NAPP2201131030.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit O, Section 30, Township 24 South, Range 35 East, in Lea County, New Mexico (32.18181° N, 103.40453° W) and is associated with oil and gas exploration and production operations on Quail Ranch, LLC private land.

On December 27, 2021, a swamped heater caused approximately 1.3 barrels (bbls) of crude oil to release out of the flare. The released crude oil ignited and extinguished itself after reaching the ground. COG reported the release immediately via email to the New Mexico Oil Conservation Division (NMOCD) on December 28, 2021 and submitted a Release Notification Form C-141 (Form C-141) on January 11, 2022. The release was assigned Incident Number NAPP2201131030.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well C-02401, located approximately 1.5 miles southwest of the Site. The groundwater well has a reported depth to

groundwater of 260 feet bgs and a total depth of 275 feet bgs. Ground surface elevation at the groundwater well location is 3,376 feet above mean sea level (amsl), which is approximately 58 feet higher in elevation than the Site. There are no regional or Site-specific hydrological conditions, such as shallow surface water, karst features, wetlands, or vegetation that suggest the Site is conducive to shallow groundwater. All wells used for depth to groundwater determination are presented on Figure 1. The referenced well records are included in Attachment 1.

The closest continuously flowing or significant watercourse to the Site is an intermittent riverine, located approximately 2,341 feet southeast of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

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

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

SITE ASSESSMENT ACTIVITIES AND ANALYTICAL RESULTS

On Janurary 4, 2022, site assessment activities were conducted to evaluate the release extent based on information provided on the Form C-141 and visual observations. Eight preliminary assessment soil samples (SS01 through SS08) were collected within and around the release extent from a depth of 0.5 feet bgs, to assess the lateral extent of the release. The preliminary soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. The release extent and preliminary soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2.

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

Laboratory analytical results for preliminary soil samples SS02 and SS03, collected within the release extent, indicated that TPH and/or TPH-GRO/TPH-DRO concentrations exceeded the Closure Criteria. Laboratory analytical results for preliminary soil samples SS01 and SS04 through SS08, collected within and around the release extent, indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria. Additionally, laboratory analytical results for preliminary soil samples SS06 through SS08, collected around the release extent, were compliant with the most stringent Table 1 Closure Criteria and successfully defined the lateral extent of the release. Based on visible staining in the release area, elevated field screening results, and laboratory analytical results for the preliminary soil samples, delineation and excavation activities were warranted.

DELINEATION AND EXCAVATION SOIL SAMPLING ACTIVITIES

On June 7, 2022, Ensolum personnel were at the Site to oversee delineation and excavation activities. Two potholes (PH01 and PH02) were advanced via backhoe within the release extent to assess the vertical extent of impacted soil. The potholes were advanced to a depth of 3 feet bgs. Delineation soil samples were collected from each pothole from depths ranging from 1-foot to 3 feet bgs. Soil from the potholes was field screened for VOCs and chloride utilizing a PID and Hach® chloride QuanTab® test strips, respectively. Field screening results and observations for the potholes were logged on lithologic soil sampling logs, which are included in Appendix B. The delineation soil sample locations are depicted on Figure 3.

Upon completion of delineation activities, impacted soil was excavated from the release area as indicated by visible staining and laboratory analytical results for the preliminary soil samples. Excavation activities were performed using track-mounted backhoe and transport vehicle. The excavation occurred on pad. To direct excavation activities, soil was screened for VOCs and chloride utilizing a PID and Hach® chloride QuanTab® test strips, respectively. The excavation was completed to a depth of 0.75 feet bgs. Photographic documentation of the excavation activities is included in Appendix C.

Following removal of the impacted soil, 5-point composite soil samples were collected every 200 square feet from the floor 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. Due to the shallow depth of the excavation, the sidewalls were incorporated into the floor samples. Composite soil samples FS01 through FS10 were collected from the floor of the excavation at a depth of 0.75 feet bgs. The soil samples were collected, handled, and analyzed following the same procedures as described above. The excavation extent and excavation soil sample locations are presented on Figure 4.

The excavation area measured approximately 1,926 square feet. A total of 54 cubic yards of impacted soil were removed during the excavation activities. The impacted soil was transported and properly disposed of at the R360 Facility in Hobbs, New Mexico.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for the delineation soil samples collected from potholes PH01 and PH02 indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Site Closure Criteria and compliant with the most stringent Table 1 Closure Criteria.

Laboratory analytical results for excavation floor samples FS01 through FS10 indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Site Closure Criteria and compliant with the most stringent Table 1 Closure Criteria. Laboratory analytical results are summarized in Table 1 and laboratory analytical reports are included as Appendix D.

CLOSURE REQUEST

Site assessment and excavation activities were conducted at the Site to address the December 27, 2021, crude oil flare fire. Laboratory analytical results for the excavation soil samples, collected from the final excavation extent, indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Site Closure Criteria and compliant with the most stringent Table 1 Closure Criteria. Based on the soil sample analytical results, no further remediation was required. COG will backfill the excavation with material purchased locally and recontour the Site to match pre-existing site conditions.

Excavation of impacted soil has mitigated impacts at this Site. Depth to groundwater was estimated to be greater than 100 feet bgs and no other sensitive receptors were identified near the release extent. COG believes these remedial actions are protective of human health, the environment, and groundwater. As such, COG respectfully requests closure for Incident Number NAPP2201131030. The Final C-141 is included in Appendix F.

If you have any questions or comments, please contact Ms. Aimee Cole at (720) 384-7365 or acole@ensolum.com.

Sincerely,
Ensolum, LLC

Kalei Jennings
Senior Scientist

Aimee Cole
Senior Managing Scientist

cc: Charles Beauvais
Quail Ranch, LLC

Appendices:

Figure 1	Site Location Map
Figure 2	Preliminary Soil Sample Locations
Figure 2	Delineation Soil Sample Locations
Figure 3	Excavation Soil Sample Locations
Table 1	Soil Sample Analytical Results
Appendix A	Referenced Well Records
Appendix B	Lithologic Soil Sampling Logs
Appendix C	Photographic Log
Appendix D	Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix E	NMOCD Sample Notification
Appendix F	Final C-141

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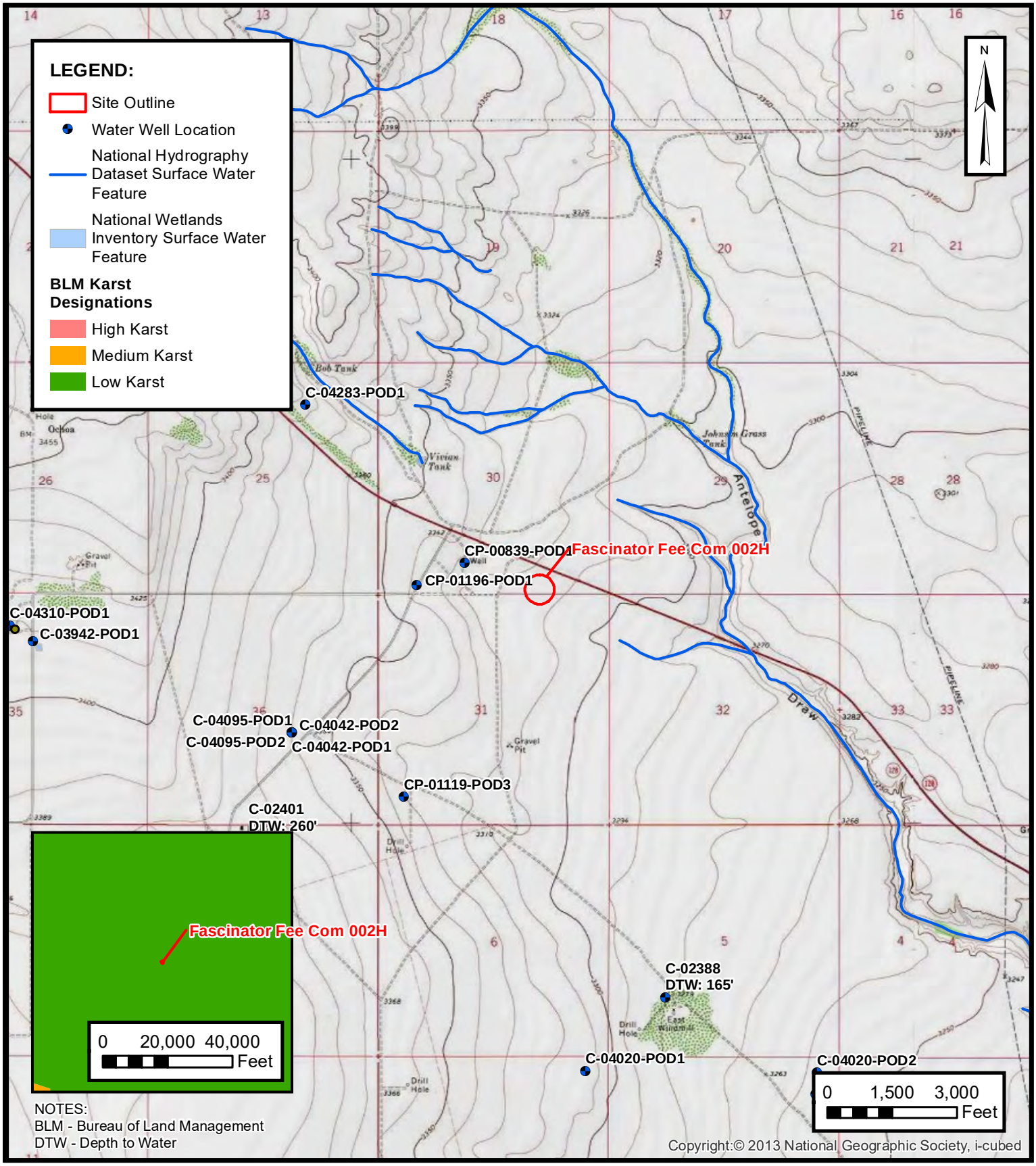
FIGURES



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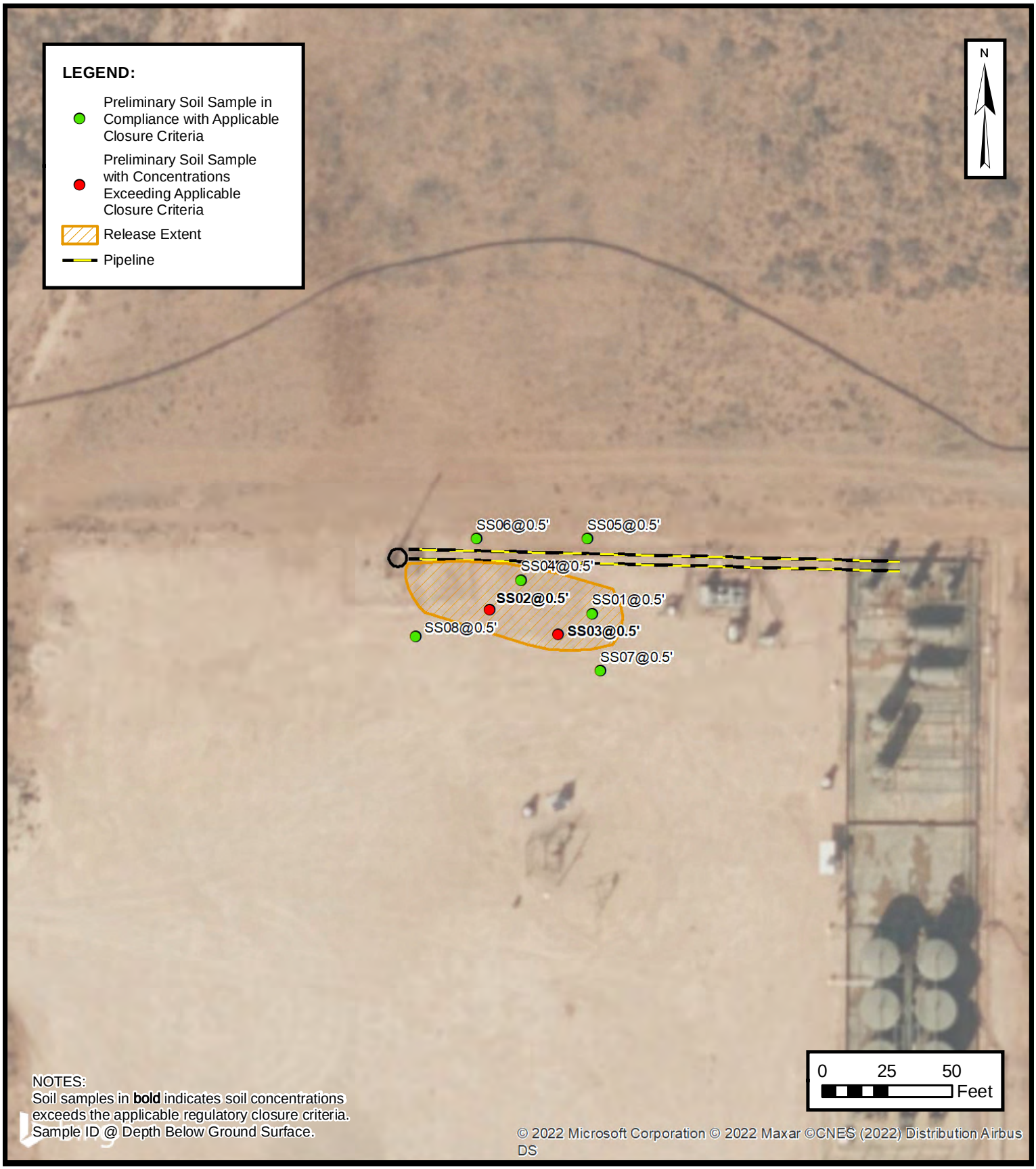
Environmental & Hydrogeologic Consultants

SITE LOCATION MAP

COG OPERATING, LLC
FASCINATOR FEE COM 002H
NAPP2201131030
Unit O, Sec 30, T24S, R35E
Lea County, New Mexico

FIGURE
1



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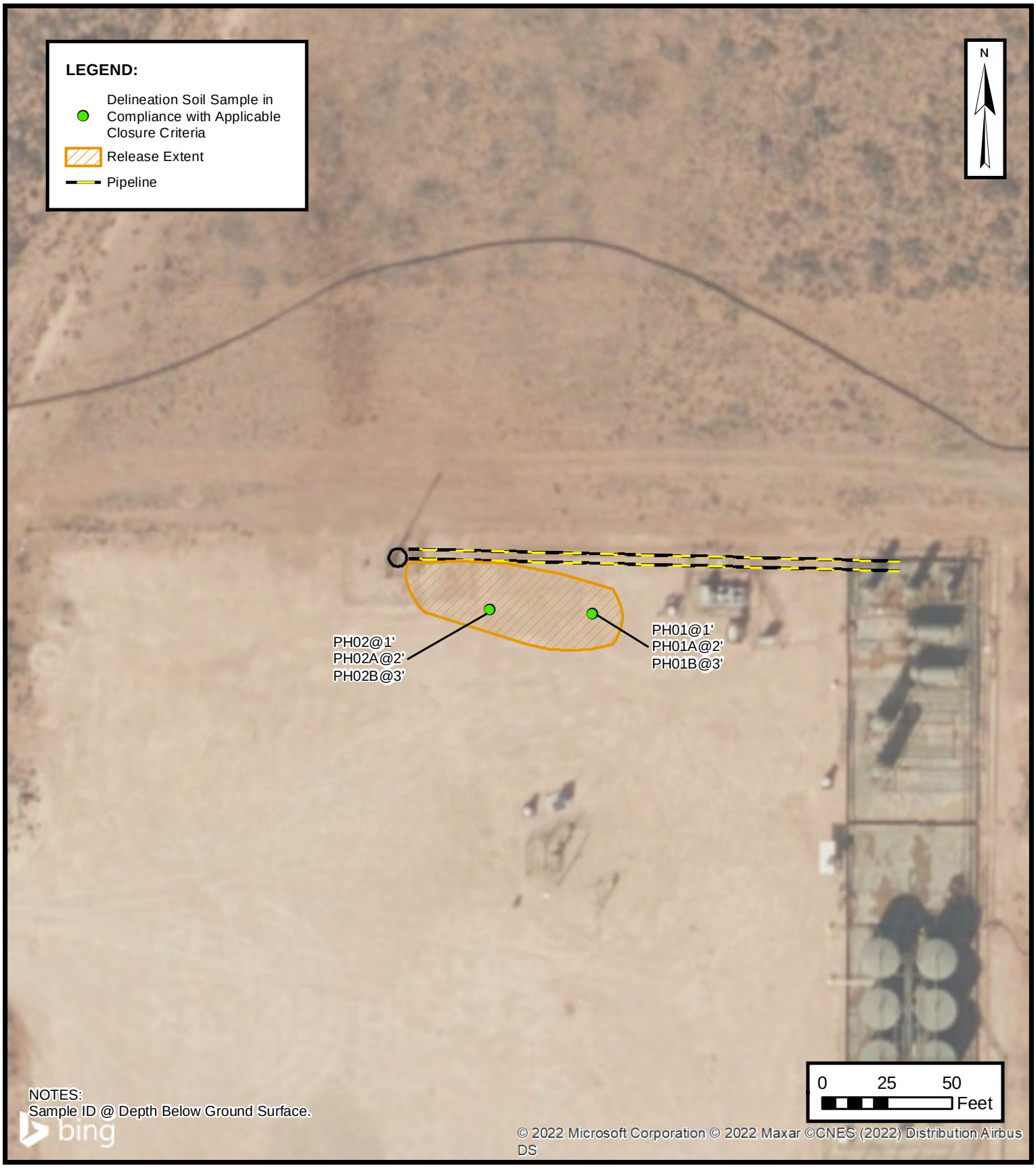
PRELIMINARY SOIL SAMPLE LOCATIONS

COG OPERATING, LLC
FASCINATOR FEE COM 002H
NAPP2201131030
Unit O, Sec 30, T24S, R35E
Lea County, New Mexico

FIGURE

2



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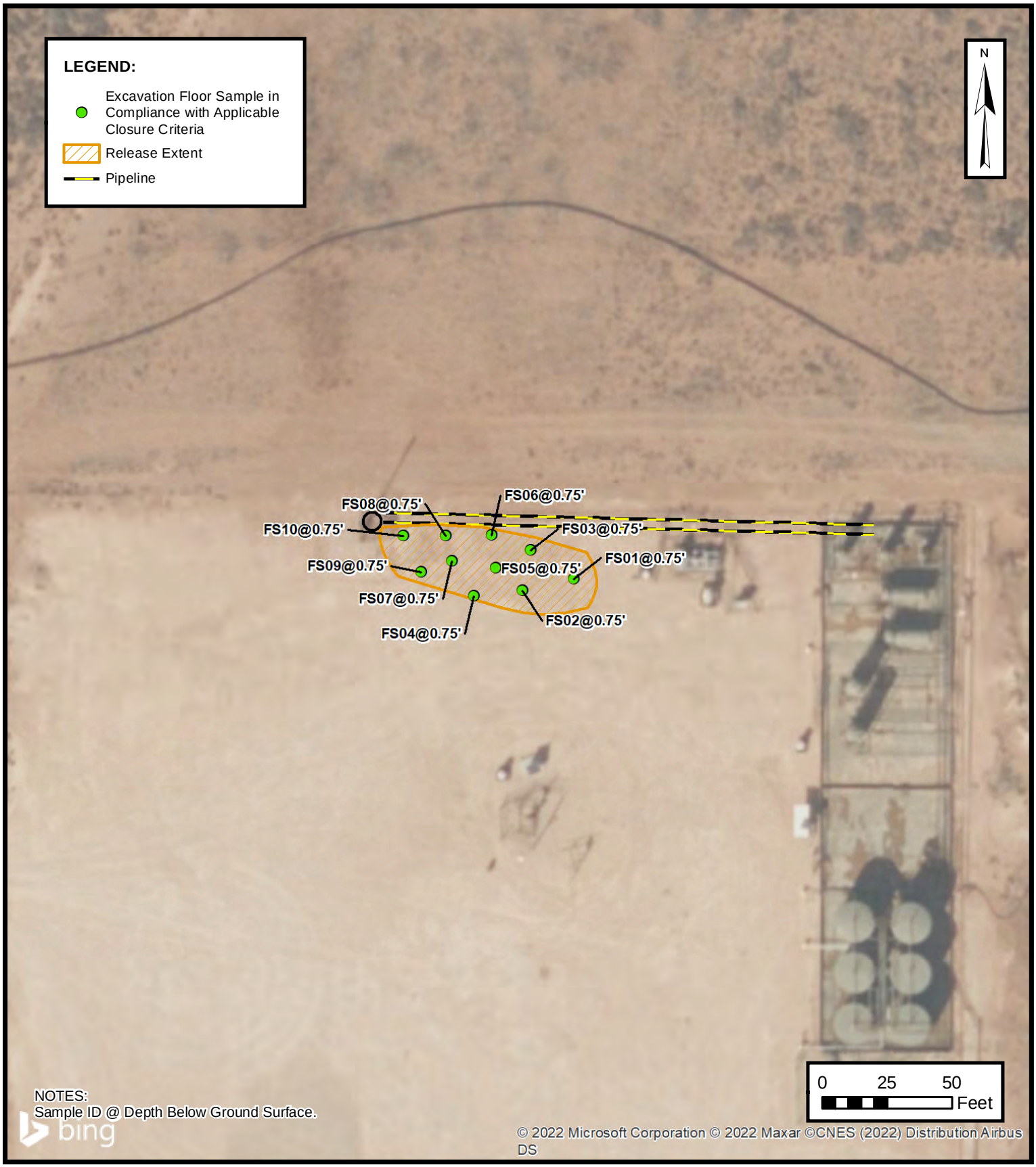
DELINEATION SOIL SAMPLE LOCATIONS

COG OPERATING, LLC
FASCINATOR FEE COM 002H
NAPP2201131030
Unit O, Sec 30, T24S, R35E
Lea County, New Mexico

FIGURE
3



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EXCAVATION SOIL SAMPLE LOCATIONS

COG OPERATING, LLC
FASCINATOR FEE COM 002H
NAPP2201131030
Unit O, Sec 30, T24S, R35E
Lea County, New Mexico

FIGURE

4

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TABLES

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TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Fascinator Fee Com 002H
COG Operating, 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 1 Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Preliminary Assessment Soil Samples										
SS01	01/04/2022	0.5	<0.00199	<0.00398	<49.9	243	<49.9	243	243	30.2
SS02	01/04/2022	0.5	<0.00202	<0.00404	<49.9	1,750	<49.9	**1,750**	1,750	935
SS03	01/04/2022	0.5	<0.00200	<0.00401	<50.0	4,080	<50.0	**4,080**	**4,080**	17.5
SS04	01/04/2022	0.5	<0.00200	<0.00399	<50.0	229	<50.0	229	229	2,530
SS05	01/04/2022	0.5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	9.84
SS06	01/04/2022	0.5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	140
SS07	06/07/2022	0.5	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	<49.9	76.1
SS08	06/07/2022	0.5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	39.3
Delineation Soil Samples										
PH01	06/07/2022	1	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	509
PH01A	06/07/2022	2	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	407
PH01B	06/07/2022	3	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	82.4
PH02	06/07/2022	1	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	527
PH02A	06/07/2022	2	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	554
PH02B	06/07/2022	3	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	119
Excavation Floor Soil Samples										
FS01	06/07/2022	0.75	<0.00200	<0.00399	<49.9	90.1	<49.9	90.1	90.1	390
FS02	06/07/2022	0.75	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	134
FS03	06/07/2022	0.75	<0.00198	<0.00397	<50.0	<50.0	<50.0	<50.0	<50.0	179
FS04	06/07/2022	0.75	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	<49.9	262
FS05	06/07/2022	0.75	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	256
FS06	06/07/2022	0.75	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	67.6
FS07	06/07/2022	0.75	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	<50.0	41.8
FS08	06/07/2022	0.75	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	28.4
FS09	06/07/2022	0.75	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	148
FS10	06/07/2022	0.75	<0.00201	<0.00402	<50.0	57.1	<50.0	57.1	57.1	20.8

Notes:

bgs: below ground surface
mg/kg: milligrams per kilogram
NMOCD: New Mexico Oil Conservation Division
BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes
GRO: Gasoline Range Organics
DRO: Diesel Range Organics
ORO: Oil Range Organics
TPH: Total Petroleum Hydrocarbon

Concentrations in bold exceed the NMOCD Table 1 Closure Criteria or reclamation standard where applicable.

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APPENDIX A

Referenced Well Records

New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Twp	Rng	(NAD83 UTM in meters) X	Y
	C 02401	2	2	1	01	25S	34E	648534	3559896*

Driller License:		**Driller Company:**			
Driller Name:	OTIS PRUIT				
Drill Start Date:		**Drill Finish Date:**	04/30/1961	**Plug Date:**	
Log File Date:		**PCW Rcv Date:**		**Source:**	
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	4 GPM
Casing Size:	5.00	**Depth Well:**	275 feet	**Depth Water:**	260 feet

***UTM location was derived from PLSS - see Help**

Lea County, New Mexico
Latitude 32°10'44.0", Longitude 103°26'31.2" NAD83
Land-surface elevation 3,409.00 feet above NGVD29
The depth of the well is 257 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

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	Stat
1953-03-29		D	62610		3185.10	NGVD29	
1953-03-29		D	62611		3186.69	NAVD88	
1953-03-29		D	72019	223.90			
1971-01-13		D	62610		3190.96	NGVD29	
1971-01-13		D	62611		3192.55	NAVD88	
1971-01-13		D	72019	218.04			
1976-01-15		D	62610		3189.94	NGVD29	
1976-01-15		D	62611		3191.53	NAVD88	
1976-01-15		D	72019	219.06			
1981-03-20		D	62610		3191.29	NGVD29	
1981-03-20		D	62611		3192.88	NAVD88	
1981-03-20		D	72019	217.71			
1986-03-06		D	62610		3185.50	NGVD29	
1986-03-06		D	62611		3187.09	NAVD88	
1986-03-06		D	72019	223.50			
1991-05-31		D	62610		3189.82	NGVD29	
1991-05-31		D	62611		3191.41	NAVD88	
1991-05-31		D	72019	219.18			
1996-03-14		D	62610		3189.81	NGVD29	
1996-03-14		D	62611		3191.40	NAVD88	
1996-03-14		D	72019	219.19			
2013-01-16	22:00 UTC	m	62610		3185.06	NGVD29	
2013-01-16	22:00 UTC	m	62611		3186.65	NAVD88	
2013-01-16	22:00 UTC	m	72019	223.94			

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APPENDIX B

Lithologic Soil Sampling Logs

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	Sample Name: **PH01**	Date: **06/07/2022**
	Site Name: **Fascinator Fee Com 002H**	
	Incident Number: **NAPP2201131030**	
	Job Number: 03D2024017	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: CS	Method: **Backhoe**
Coordinates: **32.1817578, -103.4044106**	Hole Diameter: NA	Total Depth: **3'**

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		
D	728	0.5	N	PH01	1	1	CCHE	CALICHE, Reddish brown, abundant sand and silt, poorly sorted, moderate grading, no stain, no odor.
D	593.6	0.0	N	PH01A	2	2	CCHE	SAA.
D	<179	0.0	N	PH01B	3	3	CCHE	SAA.

TD @ 3 feet bgs

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	Sample Name: **PH02**	Date: **06/07/2022**
	Site Name: **Fascinator Fee Com 002H**	
	Incident Number: **NAPP2201131030**	
	Job Number: 03D2024017	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: CS	Method: **Backhoe**
Coordinates: **32.1817606, -103.4045367**	Hole Diameter: NA	Total Depth: **3'**

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		
D	1,036	0.0	N	PH02	1	1	CCHE	CALICHE, Reddish brown, abundant sand and silt, poorly sorted, moderate grading, no stain, no odor.
D	660.8	0.0	N	PH02A	2	2	CCHE	SAA.
D	201.6	0.0	N	PH02B	3	3	CCHE	SAA.

TD @ 3 feet bgs

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APPENDIX C

Photographic Log

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Photographic Log
COG Operating, LLC
Fascinator Fee Com #002H
Incident Number NAPP2201131030

Photograph 1
Date: January 4, 2022
Description: Photo of release taken during initial assessment.

Photograph 2
Date: Janurary 4, 2022
Description: Photo of release taken during initial assessment.

Photograph 3
Date: June 7, 2022
Description: Photo of PH02 taken during delineation activities

Photograph 4
Date: June 7, 2022
Description: View of completed excavation extent.

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APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-2395-1
Laboratory Sample Delivery Group: 03D2024017
Client Project/Site: Fascinator Fee Com #002H

For:
Ensolum
705 W. Wadley
Suite 210
Midland, Texas 79701

Attn: Kalei Jennings

JKramer

Authorized for release by:
6/16/2022 12:45:10 PM

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

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

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

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Laboratory Job ID: 890-2395-1
SDG: 03D2024017

Table of Contents

Definitions/Glossary

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2395-1
SDG: 03D2024017

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2395-1
SDG: 03D2024017

Job ID: 890-2395-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-2395-1

Receipt
The samples were received on 6/8/2022 2:43 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.2°C

GC VOA
Method 8021B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-27259 and analytical batch 880-27440 recovered outside control limits for the following analytes: Benzene.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-27259 and analytical batch 880-27440 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-27314/2-A), (890-2396-A-1-D) and (890-2396-A-1-E MS). Evidence of matrix interferences is not obvious.

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

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

Client Sample Results

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2395-1
SDG: 03D2024017

Client Sample ID: SS07

Date Collected: 06/07/22 13:40
Date Received: 06/08/22 14:43
Sample Depth: 0.5'

Lab Sample ID: 890-2395-1

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U *1	0.00202		mg/Kg		06/10/22 09:30	06/14/22 06:54	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/10/22 09:30	06/14/22 06:54	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/10/22 09:30	06/14/22 06:54	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		06/10/22 09:30	06/14/22 06:54	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/10/22 09:30	06/14/22 06:54	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		06/10/22 09:30	06/14/22 06:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*06/10/22 09:30*	*06/14/22 06:54*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*06/10/22 09:30*	*06/14/22 06:54*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			06/14/22 15:18	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/13/22 09:42	1

Method: 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		06/10/22 15:08	06/12/22 02:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/10/22 15:08	06/12/22 02:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/10/22 15:08	06/12/22 02:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*73*		*70 - 130*	*06/10/22 15:08*	*06/12/22 02:20*	*1*
o-Terphenyl	*76*		*70 - 130*	*06/10/22 15:08*	*06/12/22 02:20*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**76.1**		5.00		mg/Kg			06/15/22 16:40	1

Client Sample ID: SS08

Date Collected: 06/07/22 13:45
Date Received: 06/08/22 14:43
Sample Depth: 0.5'

Lab Sample ID: 890-2395-2

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *1	0.00199		mg/Kg		06/10/22 09:30	06/14/22 08:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/10/22 09:30	06/14/22 08:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/10/22 09:30	06/14/22 08:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/10/22 09:30	06/14/22 08:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/10/22 09:30	06/14/22 08:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/10/22 09:30	06/14/22 08:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*06/10/22 09:30*	*06/14/22 08:18*	*1*

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Client Sample Results

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2395-1
SDG: 03D2024017

Client Sample ID: SS08

Date Collected: 06/07/22 13:45
Date Received: 06/08/22 14:43
Sample Depth: 0.5'

Lab Sample ID: 890-2395-2

Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*06/10/22 09:30*	*06/14/22 08:18*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/14/22 15:18	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/13/22 09:42	1

Method: 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		06/10/22 16:16	06/12/22 16:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/10/22 16:16	06/12/22 16:14	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/10/22 16:16	06/12/22 16:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*98*		*70 - 130*	*06/10/22 16:16*	*06/12/22 16:14*	*1*
o-Terphenyl	*101*		*70 - 130*	*06/10/22 16:16*	*06/12/22 16:14*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**39.3**		4.95		mg/Kg			06/15/22 17:04	1

Surrogate Summary

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2395-1
SDG: 03D2024017

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-2376-A-56-D MS	Matrix Spike	96	84
890-2376-A-56-E MSD	Matrix Spike Duplicate	120	90
890-2395-1	SS07	98	97
890-2395-2	SS08	93	91
LCS 880-27259/1-A	Lab Control Sample	103	91
LCS 880-27306/1-A	Lab Control Sample	118	97
LCSD 880-27259/2-A	Lab Control Sample Dup	92	106
LCSD 880-27306/2-A	Lab Control Sample Dup	101	100
MB 880-27259/5-A	Method Blank	98	99
MB 880-27306/5-A	Method Blank	91	102

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-2395-1	SS07	73	76
890-2395-2	SS08	98	101
890-2396-A-1-E MS	Matrix Spike	78	8 S1-
890-2396-A-1-F MSD	Matrix Spike Duplicate	80	74
890-2397-A-1-E MS	Matrix Spike	89	82
890-2397-A-1-F MSD	Matrix Spike Duplicate	84	78
LCS 880-27314/2-A	Lab Control Sample	93	13 S1-
LCS 880-27321/2-A	Lab Control Sample	104	101
LCSD 880-27314/3-A	Lab Control Sample Dup	91	87
LCSD 880-27321/3-A	Lab Control Sample Dup	101	101
MB 880-27314/1-A	Method Blank	80	87
MB 880-27321/1-A	Method Blank	79	91

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2395-1
SDG: 03D2024017

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-27259/5-A
Matrix: Solid
Analysis Batch: 27440

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 27259

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/10/22 09:30	06/14/22 03:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/10/22 09:30	06/14/22 03:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/10/22 09:30	06/14/22 03:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/10/22 09:30	06/14/22 03:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/10/22 09:30	06/14/22 03:26	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/10/22 09:30	06/14/22 03:26	1

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

Lab Sample ID: LCS 880-27259/1-A
Matrix: Solid
Analysis Batch: 27440

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 27259

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

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

Lab Sample ID: LCSD 880-27259/2-A
Matrix: Solid
Analysis Batch: 27440

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 27259

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

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: 890-2376-A-56-D MS
Matrix: Solid
Analysis Batch: 27440

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 27259

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U F2 F1 *1	0.0996	0.03597	F1	mg/Kg		36	70 - 130		

QC Sample Results

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2395-1
SDG: 03D2024017

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

Lab Sample ID: 890-2376-A-56-D MS
Matrix: Solid
Analysis Batch: 27440

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 27259

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

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

Lab Sample ID: 890-2376-A-56-E MSD
Matrix: Solid
Analysis Batch: 27440

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 27259

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

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

Lab Sample ID: MB 880-27306/5-A
Matrix: Solid
Analysis Batch: 27440

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 27306

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

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

Lab Sample ID: LCS 880-27306/1-A
Matrix: Solid
Analysis Batch: 27440

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 27306

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

QC Sample Results

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2395-1
SDG: 03D2024017

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

Lab Sample ID: LCS 880-27306/1-A
Matrix: Solid
Analysis Batch: 27440

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 27306

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

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

Lab Sample ID: LCSD 880-27306/2-A
Matrix: Solid
Analysis Batch: 27440

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 27306

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

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

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

Lab Sample ID: MB 880-27314/1-A
Matrix: Solid
Analysis Batch: 27330

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 27314

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		06/10/22 15:08	06/11/22 20:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/10/22 15:08	06/11/22 20:47	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/10/22 15:08	06/11/22 20:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*06/10/22 15:08*	*06/11/22 20:47*	*1*
o-Terphenyl	*87*		*70 - 130*	*06/10/22 15:08*	*06/11/22 20:47*	*1*

Lab Sample ID: LCS 880-27314/2-A
Matrix: Solid
Analysis Batch: 27330

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 27314

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

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QC Sample Results

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2395-1
SDG: 03D2024017

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

Lab Sample ID: LCS 880-27314/2-A
Matrix: Solid
Analysis Batch: 27330

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 27314

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

Lab Sample ID: LCSD 880-27314/3-A
Matrix: Solid
Analysis Batch: 27330

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 27314

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	901.7		mg/Kg		90	70 - 130	9	20
Diesel Range Organics (Over C10-C28)			1000	996.4		mg/Kg		100	70 - 130	7	20

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

Lab Sample ID: 890-2396-A-1-E MS
Matrix: Solid
Analysis Batch: 27330

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 27314

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	997	1119		mg/Kg		112	70 - 130
Diesel Range Organics (Over C10-C28)	90.1		997	797.6		mg/Kg		71	70 - 130

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

Lab Sample ID: 890-2396-A-1-F MSD
Matrix: Solid
Analysis Batch: 27330

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 27314

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

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

QC Sample Results

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2395-1
SDG: 03D2024017

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

Lab Sample ID: MB 880-27321/1-A
Matrix: Solid
Analysis Batch: 27342

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 27321

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		06/10/22 16:16	06/12/22 12:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/10/22 16:16	06/12/22 12:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/10/22 16:16	06/12/22 12:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*06/10/22 16:16*	*06/12/22 12:38*	*1*
o-Terphenyl	*91*		*70 - 130*	*06/10/22 16:16*	*06/12/22 12:38*	*1*

Lab Sample ID: LCS 880-27321/2-A
Matrix: Solid
Analysis Batch: 27342

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 27321

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	886.9		mg/Kg		89	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1150		mg/Kg		115	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*104*		*70 - 130*
o-Terphenyl	*101*		*70 - 130*

Lab Sample ID: LCSD 880-27321/3-A
Matrix: Solid
Analysis Batch: 27342

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 27321

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	850.2		mg/Kg		85	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	1130		mg/Kg		113	70 - 130	2	20

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

Lab Sample ID: 890-2397-A-1-E MS
Matrix: Solid
Analysis Batch: 27342

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 27321

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	997	810.0		mg/Kg		81	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	997	925.4		mg/Kg		91	70 - 130		

QC Sample Results

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2395-1
SDG: 03D2024017

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

Lab Sample ID: 890-2397-A-1-E MS
Matrix: Solid
Analysis Batch: 27342

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 27321

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	89		70 - 130
o-Terphenyl	82		70 - 130

Lab Sample ID: 890-2397-A-1-F MSD
Matrix: Solid
Analysis Batch: 27342

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 27321

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	872.0		mg/Kg		87	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	874.2		mg/Kg		85	70 - 130	6	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	84		70 - 130
o-Terphenyl	78		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-27514/1-A
Matrix: Solid
Analysis Batch: 27549

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			06/15/22 16:17	1

Lab Sample ID: LCS 880-27514/2-A
Matrix: Solid
Analysis Batch: 27549

Client Sample ID: Lab Control Sample
Prep Type: Soluble

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

Lab Sample ID: LCSD 880-27514/3-A
Matrix: Solid
Analysis Batch: 27549

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	258.5		mg/Kg		103	90 - 110	2	20

Lab Sample ID: 890-2395-1 MS
Matrix: Solid
Analysis Batch: 27549

Client Sample ID: SS07
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	76.1		250	338.7		mg/Kg		105	90 - 110		

QC Sample Results

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2395-1
SDG: 03D2024017

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-2395-1 MSD
Matrix: Solid
Analysis Batch: 27549

Client Sample ID: SS07
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	76.1		250	328.6		mg/Kg		101	90 - 110	3	20

QC Association Summary

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2395-1
SDG: 03D2024017

GC VOA

Prep Batch: 27259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2395-1	SS07	Total/NA	Solid	5035	
890-2395-2	SS08	Total/NA	Solid	5035	
MB 880-27259/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-27259/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-27259/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2376-A-56-D MS	Matrix Spike	Total/NA	Solid	5035	
890-2376-A-56-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 27306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-27306/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-27306/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-27306/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 27440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2395-1	SS07	Total/NA	Solid	8021B	27259
890-2395-2	SS08	Total/NA	Solid	8021B	27259
MB 880-27259/5-A	Method Blank	Total/NA	Solid	8021B	27259
MB 880-27306/5-A	Method Blank	Total/NA	Solid	8021B	27306
LCS 880-27259/1-A	Lab Control Sample	Total/NA	Solid	8021B	27259
LCS 880-27306/1-A	Lab Control Sample	Total/NA	Solid	8021B	27306
LCSD 880-27259/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	27259
LCSD 880-27306/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	27306
890-2376-A-56-D MS	Matrix Spike	Total/NA	Solid	8021B	27259
890-2376-A-56-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	27259

Analysis Batch: 27531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2395-1	SS07	Total/NA	Solid	Total BTEX	
890-2395-2	SS08	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 27314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2395-1	SS07	Total/NA	Solid	8015NM Prep	
MB 880-27314/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-27314/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-27314/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2396-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2396-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 27321

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2395-2	SS08	Total/NA	Solid	8015NM Prep	
MB 880-27321/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-27321/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-27321/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2397-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2397-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2395-1
SDG: 03D2024017

GC Semi VOA

Analysis Batch: 27330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2395-1	SS07	Total/NA	Solid	8015B NM	27314
MB 880-27314/1-A	Method Blank	Total/NA	Solid	8015B NM	27314
LCS 880-27314/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	27314
LCSD 880-27314/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	27314
890-2396-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	27314
890-2396-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	27314

Analysis Batch: 27342

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2395-2	SS08	Total/NA	Solid	8015B NM	27321
MB 880-27321/1-A	Method Blank	Total/NA	Solid	8015B NM	27321
LCS 880-27321/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	27321
LCSD 880-27321/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	27321
890-2397-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	27321
890-2397-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	27321

Analysis Batch: 27385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2395-1	SS07	Total/NA	Solid	8015 NM	
890-2395-2	SS08	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 27514

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2395-1	SS07	Soluble	Solid	DI Leach	
890-2395-2	SS08	Soluble	Solid	DI Leach	
MB 880-27514/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-27514/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-27514/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2395-1 MS	SS07	Soluble	Solid	DI Leach	
890-2395-1 MSD	SS07	Soluble	Solid	DI Leach	

Analysis Batch: 27549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2395-1	SS07	Soluble	Solid	300.0	27514
890-2395-2	SS08	Soluble	Solid	300.0	27514
MB 880-27514/1-A	Method Blank	Soluble	Solid	300.0	27514
LCS 880-27514/2-A	Lab Control Sample	Soluble	Solid	300.0	27514
LCSD 880-27514/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	27514
890-2395-1 MS	SS07	Soluble	Solid	300.0	27514
890-2395-1 MSD	SS07	Soluble	Solid	300.0	27514

Lab Chronicle

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2395-1
SDG: 03D2024017

Client Sample ID: SS07

Date Collected: 06/07/22 13:40
Date Received: 06/08/22 14:43

Lab Sample ID: 890-2395-1

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			4.96 g	5 mL	27259	06/10/22 09:30	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27440	06/14/22 06:54	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27531	06/14/22 15:18	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27385	06/13/22 09:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27314	06/10/22 15:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27330	06/12/22 02:20	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	27514	06/14/22 13:29	SC	XEN MID
Soluble	Analysis	300.0		1			27549	06/15/22 16:40	CH	XEN MID

Client Sample ID: SS08

Date Collected: 06/07/22 13:45
Date Received: 06/08/22 14:43

Lab Sample ID: 890-2395-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	27259	06/10/22 09:30	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27440	06/14/22 08:18	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27531	06/14/22 15:18	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27385	06/13/22 09:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27321	06/10/22 16:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27342	06/12/22 16:14	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	27514	06/14/22 13:29	SC	XEN MID
Soluble	Analysis	300.0		1			27549	06/15/22 17:04	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2395-1
SDG: 03D2024017

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	T104704400-21-22	06-30-22

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: Fascinator Fee Com #002H

Job ID: 890-2395-1
SDG: 03D2024017

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2395-1
SDG: 03D2024017

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2395-1	SS07	Solid	06/07/22 13:40	06/08/22 14:43	0.5'
890-2395-2	SS08	Solid	06/07/22 13:45	06/08/22 14:43	0.5'

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Chain of Custody

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

Work Order No: _____

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Project Manager:	Kalei Jennings	Bill to: (if different)	Kalei Jennigns
Company Name:	Ensolum, LLC	Company Name:	Ensolum, LLC
Address:	601 N Marienfeld St Suite 400	Address:	601 N Marienfeld St Suite 400
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	817-683-2503	Email:	kjennings@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:	Fascinator Fee Com #002H	Turn Around	☑ Routine ☐ Rush
Project Number:	03D2024017	Due Date:	
Project Location:		TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Conner Shore		
PO #:			

SAMPLE RECEIPT	Temp Blank: (Yes) No	Wet Ice: (Yes) No	
Samples Received Intact:	(Yes) No	Thermometer ID:	T-DM.007
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	3.4
Total Containers:		Corrected Temperature:	3.2

Preservative Codes

None: NO — DI Water: H_2O
Cool: Cool — MeOH: Me
HCL: HC — HNO_3: HN
H_2SO_4: H_2 — NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

890-2395 Chain of Custody

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	CHLORIDES (EPA: 300.0)	TPH (8015)	BTEX (8021)	Sample Comments
SS07	s	6.7.22	1340	0.5'	G	1		x	x	x	
SS08	s	6.7.22	1345	0.5'	G	1		x	x	x	
											NAPP2201131030

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Amanda Stuf	6/8/22 1443	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-2395-1
SDG Number: 03D2024017

Login Number: 2395
List Number: 1
Creator: Stutzman, Amanda

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.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-2395-1
SDG Number: 03D2024017

Login Number: 2395
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 06/10/22 11:28 AM

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

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ANALYTICAL REPORT

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

Laboratory Job ID: 890-2396-1
Laboratory Sample Delivery Group: 03D2024017
Client Project/Site: Fascinator Fee Com #002H

For:
Ensolum
705 W. Wadley
Suite 210
Midland, Texas 79701

Attn: Kalei Jennings

JKramer

Authorized for release by:
6/16/2022 1:43:02 PM

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

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

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

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Laboratory Job ID: 890-2396-1
SDG: 03D2024017

Table of Contents

Eurofins Carlsbad
6/16/2022

Definitions/Glossary

Client: Ensolum Job ID: 890-2396-1
Project/Site: Fascinator Fee Com #002H SDG: 03D2024017

Qualifiers

GC VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2396-1
SDG: 03D2024017

Job ID: 890-2396-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-2396-1

Receipt
The samples were received on 6/8/2022 2:43 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.2°C

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-27306 and analytical batch 880-27440 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: FS01 (890-2396-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-27259 and analytical batch 880-27440 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-27499 and analytical batch 880-27512 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 880-27537 and analytical batch 880-27554 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (890-2396-A-2-F MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: FS01 (890-2396-1), (LCS 880-27314/2-A) and (890-2396-A-1-E MS). Evidence of matrix interferences is not obvious.

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

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

Client Sample Results

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2396-1
SDG: 03D2024017

Client Sample ID: FS01

Lab Sample ID: 890-2396-1
Matrix: Solid

Date Collected: 06/07/22 11:20
Date Received: 06/08/22 14:43
Sample Depth: 0.75'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/13/22 16:50	06/13/22 22:39	1
Toluene	**0.00247**		0.00200		mg/Kg		06/13/22 16:50	06/13/22 22:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/13/22 16:50	06/13/22 22:39	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/13/22 16:50	06/13/22 22:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/13/22 16:50	06/13/22 22:39	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/13/22 16:50	06/13/22 22:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*06/13/22 16:50*	*06/13/22 22:39*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*06/13/22 16:50*	*06/13/22 22:39*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/14/22 15:18	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**90.1**		49.9		mg/Kg			06/13/22 09:42	1

Method: 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		06/10/22 15:08	06/11/22 21:54	1
Diesel Range Organics (Over C10-C28)	**90.1**		49.9		mg/Kg		06/10/22 15:08	06/11/22 21:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/10/22 15:08	06/11/22 21:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*06/10/22 15:08*	*06/11/22 21:54*	*1*
o-Terphenyl	*0.07*	*S1-*	*70 - 130*	*06/10/22 15:08*	*06/11/22 21:54*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**390**		5.01		mg/Kg			06/15/22 17:12	1

Client Sample ID: FS02

Lab Sample ID: 890-2396-2
Matrix: Solid

Date Collected: 06/07/22 13:30
Date Received: 06/08/22 14:43
Sample Depth: 0.75'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F1	0.00199		mg/Kg		06/14/22 15:38	06/15/22 23:26	1
Toluene	<0.00199	U F2 F1	0.00199		mg/Kg		06/14/22 15:38	06/15/22 23:26	1
Ethylbenzene	<0.00199	U F2 F1	0.00199		mg/Kg		06/14/22 15:38	06/15/22 23:26	1
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.00398		mg/Kg		06/14/22 15:38	06/15/22 23:26	1
o-Xylene	<0.00199	U F2 F1	0.00199		mg/Kg		06/14/22 15:38	06/15/22 23:26	1
Xylenes, Total	<0.00398	U F2 F1	0.00398		mg/Kg		06/14/22 15:38	06/15/22 23:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*06/14/22 15:38*	*06/15/22 23:26*	*1*

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Client Sample Results

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2396-1
SDG: 03D2024017

Client Sample ID: FS02

Lab Sample ID: 890-2396-2
Matrix: Solid
Date Collected: 06/07/22 13:30
Date Received: 06/08/22 14:43
Sample Depth: 0.75'

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*06/14/22 15:38*	*06/15/22 23:26*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			06/14/22 15:18	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			06/13/22 09:42	1

Method: 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		06/10/22 15:08	06/11/22 22:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/10/22 15:08	06/11/22 22:57	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/10/22 15:08	06/11/22 22:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*06/10/22 15:08*	*06/11/22 22:57*	*1*
o-Terphenyl	*88*		*70 - 130*	*06/10/22 15:08*	*06/11/22 22:57*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**134**		4.98	mg/Kg			06/15/22 17:20	1

Client Sample ID: FS03

Lab Sample ID: 890-2396-3
Matrix: Solid
Date Collected: 06/07/22 11:30
Date Received: 06/08/22 14:43
Sample Depth: 0.75'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		06/14/22 15:38	06/15/22 23:47	1
Toluene	<0.00198	U	0.00198	mg/Kg		06/14/22 15:38	06/15/22 23:47	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		06/14/22 15:38	06/15/22 23:47	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		06/14/22 15:38	06/15/22 23:47	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		06/14/22 15:38	06/15/22 23:47	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		06/14/22 15:38	06/15/22 23:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*06/14/22 15:38*	*06/15/22 23:47*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*06/14/22 15:38*	*06/15/22 23:47*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397	mg/Kg			06/14/22 15:18	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			06/13/22 09:42	1

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Client Sample Results

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2396-1
SDG: 03D2024017

Client Sample ID: FS03

Lab Sample ID: 890-2396-3
Matrix: Solid
Date Collected: 06/07/22 11:30
Date Received: 06/08/22 14:43
Sample Depth: 0.75'

Method: 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		06/10/22 15:08	06/11/22 23:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/10/22 15:08	06/11/22 23:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/10/22 15:08	06/11/22 23:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*06/10/22 15:08*	*06/11/22 23:18*	*1*
o-Terphenyl	*86*		*70 - 130*	*06/10/22 15:08*	*06/11/22 23:18*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**179**		5.05		mg/Kg			06/15/22 17:28	1

Client Sample ID: FS04

Lab Sample ID: 890-2396-4
Matrix: Solid
Date Collected: 06/07/22 13:35
Date Received: 06/08/22 14:43
Sample Depth: 0.75'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/14/22 15:38	06/16/22 00:08	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/14/22 15:38	06/16/22 00:08	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/14/22 15:38	06/16/22 00:08	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/14/22 15:38	06/16/22 00:08	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/14/22 15:38	06/16/22 00:08	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/14/22 15:38	06/16/22 00:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*06/14/22 15:38*	*06/16/22 00:08*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*06/14/22 15:38*	*06/16/22 00:08*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			06/14/22 15:18	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/13/22 09:42	1

Method: 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		06/10/22 15:08	06/11/22 23:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/10/22 15:08	06/11/22 23:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/10/22 15:08	06/11/22 23:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*06/10/22 15:08*	*06/11/22 23:38*	*1*
o-Terphenyl	*85*		*70 - 130*	*06/10/22 15:08*	*06/11/22 23:38*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2396-1
SDG: 03D2024017

Client Sample ID: FS04

Lab Sample ID: 890-2396-4
Matrix: Solid
Date Collected: 06/07/22 13:35
Date Received: 06/08/22 14:43
Sample Depth: 0.75'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	262		4.99		mg/Kg			06/15/22 17:51	1

Client Sample ID: FS05

Lab Sample ID: 890-2396-5
Matrix: Solid
Date Collected: 06/07/22 11:50
Date Received: 06/08/22 14:43
Sample Depth: 0.75'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/14/22 15:38	06/16/22 00:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/14/22 15:38	06/16/22 00:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/14/22 15:38	06/16/22 00:28	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/14/22 15:38	06/16/22 00:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/14/22 15:38	06/16/22 00:28	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/14/22 15:38	06/16/22 00:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*06/14/22 15:38*	*06/16/22 00:28*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*06/14/22 15:38*	*06/16/22 00:28*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/14/22 15:18	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/13/22 09:42	1

Method: 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		06/10/22 15:08	06/11/22 23:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/10/22 15:08	06/11/22 23:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/10/22 15:08	06/11/22 23:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*06/10/22 15:08*	*06/11/22 23:58*	*1*
o-Terphenyl	*87*		*70 - 130*	*06/10/22 15:08*	*06/11/22 23:58*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	256		4.96		mg/Kg			06/15/22 17:59	1

Client Sample Results

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2396-1
SDG: 03D2024017

Client Sample ID: FS06

Lab Sample ID: 890-2396-6
Matrix: Solid
Date Collected: 06/07/22 11:55
Date Received: 06/08/22 14:43
Sample Depth: 0.75'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/14/22 15:38	06/16/22 00:49	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/14/22 15:38	06/16/22 00:49	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/14/22 15:38	06/16/22 00:49	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/14/22 15:38	06/16/22 00:49	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/14/22 15:38	06/16/22 00:49	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/14/22 15:38	06/16/22 00:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*06/14/22 15:38*	*06/16/22 00:49*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*06/14/22 15:38*	*06/16/22 00:49*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/14/22 15:18	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/13/22 09:42	1

Method: 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		06/10/22 15:08	06/12/22 00:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/10/22 15:08	06/12/22 00:18	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/10/22 15:08	06/12/22 00:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*06/10/22 15:08*	*06/12/22 00:18*	*1*
o-Terphenyl	*90*		*70 - 130*	*06/10/22 15:08*	*06/12/22 00:18*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**67.6**		5.01		mg/Kg			06/15/22 18:07	1

Client Sample ID: FS07

Lab Sample ID: 890-2396-7
Matrix: Solid
Date Collected: 06/07/22 12:00
Date Received: 06/08/22 14:43
Sample Depth: 0.75'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *1	0.00200		mg/Kg		06/10/22 12:19	06/14/22 09:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/10/22 12:19	06/14/22 09:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/10/22 12:19	06/14/22 09:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/10/22 12:19	06/14/22 09:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/10/22 12:19	06/14/22 09:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/10/22 12:19	06/14/22 09:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*06/10/22 12:19*	*06/14/22 09:00*	*1*

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Client Sample Results

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2396-1
SDG: 03D2024017

Client Sample ID: FS07

Lab Sample ID: 890-2396-7
Matrix: Solid
Date Collected: 06/07/22 12:00
Date Received: 06/08/22 14:43
Sample Depth: 0.75'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*06/10/22 12:19*	*06/14/22 09:00*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			06/14/22 15:18	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/13/22 09:42	1

Method: 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		06/10/22 15:08	06/12/22 00:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/10/22 15:08	06/12/22 00:39	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/10/22 15:08	06/12/22 00:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*85*		*70 - 130*	*06/10/22 15:08*	*06/12/22 00:39*	*1*
o-Terphenyl	*89*		*70 - 130*	*06/10/22 15:08*	*06/12/22 00:39*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**41.8**		5.05		mg/Kg			06/15/22 18:15	1

Client Sample ID: FS08

Lab Sample ID: 890-2396-8
Matrix: Solid
Date Collected: 06/07/22 12:05
Date Received: 06/08/22 14:43
Sample Depth: 0.75'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *1	0.00200		mg/Kg		06/10/22 17:01	06/14/22 09:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/10/22 17:01	06/14/22 09:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/10/22 17:01	06/14/22 09:20	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/10/22 17:01	06/14/22 09:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/10/22 17:01	06/14/22 09:20	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/10/22 17:01	06/14/22 09:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*06/10/22 17:01*	*06/14/22 09:20*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*06/10/22 17:01*	*06/14/22 09:20*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/14/22 15:18	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/13/22 09:42	1

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Client Sample Results

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2396-1
SDG: 03D2024017

Client Sample ID: FS08

Lab Sample ID: 890-2396-8
Matrix: Solid
Date Collected: 06/07/22 12:05
Date Received: 06/08/22 14:43
Sample Depth: 0.75'

Method: 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		06/10/22 15:08	06/12/22 00:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/10/22 15:08	06/12/22 00:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/10/22 15:08	06/12/22 00:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*06/10/22 15:08*	*06/12/22 00:59*	*1*
o-Terphenyl	*93*		*70 - 130*	*06/10/22 15:08*	*06/12/22 00:59*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**28.4**		4.99		mg/Kg			06/15/22 18:22	1

Client Sample ID: FS09

Lab Sample ID: 890-2396-9
Matrix: Solid
Date Collected: 06/07/22 12:25
Date Received: 06/08/22 14:43
Sample Depth: 0.75'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *1	0.00201		mg/Kg		06/10/22 12:19	06/14/22 09:41	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/10/22 12:19	06/14/22 09:41	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/10/22 12:19	06/14/22 09:41	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/10/22 12:19	06/14/22 09:41	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/10/22 12:19	06/14/22 09:41	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/10/22 12:19	06/14/22 09:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*06/10/22 12:19*	*06/14/22 09:41*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*06/10/22 12:19*	*06/14/22 09:41*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/14/22 15:18	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/13/22 09:42	1

Method: 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		06/10/22 15:08	06/12/22 01:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/10/22 15:08	06/12/22 01:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/10/22 15:08	06/12/22 01:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*06/10/22 15:08*	*06/12/22 01:19*	*1*
o-Terphenyl	*89*		*70 - 130*	*06/10/22 15:08*	*06/12/22 01:19*	*1*

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Client Sample Results

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2396-1
SDG: 03D2024017

Client Sample ID: FS09

Lab Sample ID: 890-2396-9
Matrix: Solid
Date Collected: 06/07/22 12:25
Date Received: 06/08/22 14:43
Sample Depth: 0.75'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**148**		4.97		mg/Kg			06/15/22 18:30	1

Client Sample ID: FS10

Lab Sample ID: 890-2396-10
Matrix: Solid
Date Collected: 06/07/22 12:30
Date Received: 06/08/22 14:43
Sample Depth: 0.75'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/14/22 11:32	06/15/22 05:04	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/14/22 11:32	06/15/22 05:04	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/14/22 11:32	06/15/22 05:04	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/14/22 11:32	06/15/22 05:04	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/14/22 11:32	06/15/22 05:04	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/14/22 11:32	06/15/22 05:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*06/14/22 11:32*	*06/15/22 05:04*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*06/14/22 11:32*	*06/15/22 05:04*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/14/22 15:18	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**57.1**		50.0		mg/Kg			06/13/22 09:42	1

Method: 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		06/10/22 15:08	06/12/22 01:39	1
Diesel Range Organics (Over C10-C28)	**57.1**		50.0		mg/Kg		06/10/22 15:08	06/12/22 01:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/10/22 15:08	06/12/22 01:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*06/10/22 15:08*	*06/12/22 01:39*	*1*
o-Terphenyl	*84*		*70 - 130*	*06/10/22 15:08*	*06/12/22 01:39*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**20.8**		5.00		mg/Kg			06/15/22 18:54	1

Surrogate Summary

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2396-1
SDG: 03D2024017

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-2376-A-56-D MS	Matrix Spike	96	84
890-2376-A-56-E MSD	Matrix Spike Duplicate	120	90
890-2388-A-19-F MS	Matrix Spike	92	89
890-2388-A-19-G MSD	Matrix Spike Duplicate	87	94
890-2396-1	FS01	89	97
890-2396-2	FS02	88	106
890-2396-2 MS	FS02	53 S1-	112
890-2396-2 MSD	FS02	101	95
890-2396-3	FS03	91	107
890-2396-4	FS04	99	104
890-2396-5	FS05	98	104
890-2396-6	FS06	92	103
890-2396-7	FS07	94	103
890-2396-8	FS08	100	97
890-2396-9	FS09	102	103
890-2396-10	FS10	112	95
890-2397-A-1-A MS	Matrix Spike	113	95
890-2397-A-1-B MSD	Matrix Spike Duplicate	96	96
LCS 880-27259/1-A	Lab Control Sample	103	91
LCS 880-27306/1-A	Lab Control Sample	118	97
LCS 880-27499/1-A	Lab Control Sample	107	102
LCS 880-27537/1-A	Lab Control Sample	101	99
LCSD 880-27259/2-A	Lab Control Sample Dup	92	106
LCSD 880-27306/2-A	Lab Control Sample Dup	101	100
LCSD 880-27499/2-A	Lab Control Sample Dup	107	100
LCSD 880-27537/2-A	Lab Control Sample Dup	97	99
MB 880-27184/5-A	Method Blank	91	108
MB 880-27259/5-A	Method Blank	98	99
MB 880-27306/5-A	Method Blank	91	102
MB 880-27492/5-A	Method Blank	101	91
MB 880-27499/5-A	Method Blank	101	91
MB 880-27537/5-A	Method Blank	90	110

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-2396-1	FS01	93	0.07 S1-
890-2396-1 MS	FS01	78	8 S1-
890-2396-1 MSD	FS01	80	74
890-2396-2	FS02	83	88
890-2396-3	FS03	83	86
890-2396-4	FS04	80	85
890-2396-5	FS05	82	87

Surrogate Summary

Client: Ensolum Job ID: 890-2396-1
Project/Site: Fascinator Fee Com #002H SDG: 03D2024017

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)								
890-2396-6	FS06	86	90								
890-2396-7	FS07	85	89								
890-2396-8	FS08	89	93								
890-2396-9	FS09	85	89								
890-2396-10	FS10	81	84								
LCS 880-27314/2-A	Lab Control Sample	93	13 S1-								
LCSD 880-27314/3-A	Lab Control Sample Dup	91	87								
MB 880-27314/1-A	Method Blank	80	87								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2396-1
SDG: 03D2024017

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-27184/5-A
Matrix: Solid
Analysis Batch: 27554

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 27184

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/09/22 12:25	06/15/22 11:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/09/22 12:25	06/15/22 11:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/09/22 12:25	06/15/22 11:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/09/22 12:25	06/15/22 11:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/09/22 12:25	06/15/22 11:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/09/22 12:25	06/15/22 11:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*06/09/22 12:25*	*06/15/22 11:40*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*06/09/22 12:25*	*06/15/22 11:40*	*1*

Lab Sample ID: MB 880-27259/5-A
Matrix: Solid
Analysis Batch: 27440

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 27259

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/10/22 09:30	06/14/22 03:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/10/22 09:30	06/14/22 03:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/10/22 09:30	06/14/22 03:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/10/22 09:30	06/14/22 03:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/10/22 09:30	06/14/22 03:26	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/10/22 09:30	06/14/22 03:26	1

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

Lab Sample ID: LCS 880-27259/1-A
Matrix: Solid
Analysis Batch: 27440

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 27259

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

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

Lab Sample ID: LCSD 880-27259/2-A
Matrix: Solid
Analysis Batch: 27440

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 27259

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1076	*1	mg/Kg		108	70 - 130	39	35

QC Sample Results

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2396-1
SDG: 03D2024017

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

Lab Sample ID: LCSD 880-27259/2-A
Matrix: Solid
Analysis Batch: 27440

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 27259

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

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: 890-2376-A-56-D MS
Matrix: Solid
Analysis Batch: 27440

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 27259

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U F2 F1 *1	0.0996	0.03597	F1	mg/Kg		36	70 - 130
Toluene	<0.00199	U F2 F1	0.0996	0.05113	F1	mg/Kg		51	70 - 130
Ethylbenzene	<0.00199	U F2 F1	0.0996	0.04197	F1	mg/Kg		42	70 - 130
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.199	0.08677	F1	mg/Kg		44	70 - 130
o-Xylene	<0.00199	U F2 F1	0.0996	0.05112	F1	mg/Kg		51	70 - 130

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

Lab Sample ID: 890-2376-A-56-E MSD
Matrix: Solid
Analysis Batch: 27440

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 27259

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

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

Lab Sample ID: MB 880-27306/5-A
Matrix: Solid
Analysis Batch: 27440

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 27306

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/10/22 12:47	06/13/22 16:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/10/22 12:47	06/13/22 16:45	1

QC Sample Results

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2396-1
SDG: 03D2024017

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

Lab Sample ID: MB 880-27306/5-A
Matrix: Solid
Analysis Batch: 27440

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 27306

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

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

Lab Sample ID: LCS 880-27306/1-A
Matrix: Solid
Analysis Batch: 27440

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 27306

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08388		mg/Kg		84	70 - 130		
Toluene			0.100	0.1036		mg/Kg		104	70 - 130		
Ethylbenzene			0.100	0.1050		mg/Kg		105	70 - 130		
m-Xylene & p-Xylene			0.200	0.2149		mg/Kg		107	70 - 130		
o-Xylene			0.100	0.1181		mg/Kg		118	70 - 130		

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

Lab Sample ID: LCSD 880-27306/2-A
Matrix: Solid
Analysis Batch: 27440

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 27306

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

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

Lab Sample ID: 890-2397-A-1-A MS
Matrix: Solid
Analysis Batch: 27440

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

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

QC Sample Results

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2396-1
SDG: 03D2024017

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

Lab Sample ID: 890-2397-A-1-A MS
Matrix: Solid
Analysis Batch: 27440

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene	<0.00201	U	0.0994	0.08816		mg/Kg		88	70 - 130		

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

Lab Sample ID: 890-2397-A-1-B MSD
Matrix: Solid
Analysis Batch: 27440

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

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

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

Lab Sample ID: MB 880-27492/5-A
Matrix: Solid
Analysis Batch: 27512

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 27492

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/14/22 10:17	06/14/22 16:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/14/22 10:17	06/14/22 16:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/14/22 10:17	06/14/22 16:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/14/22 10:17	06/14/22 16:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/14/22 10:17	06/14/22 16:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/14/22 10:17	06/14/22 16:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*06/14/22 10:17*	*06/14/22 16:13*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*06/14/22 10:17*	*06/14/22 16:13*	*1*

Lab Sample ID: MB 880-27499/5-A
Matrix: Solid
Analysis Batch: 27512

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 27499

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/14/22 11:32	06/15/22 03:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/14/22 11:32	06/15/22 03:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/14/22 11:32	06/15/22 03:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/14/22 11:32	06/15/22 03:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/14/22 11:32	06/15/22 03:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/14/22 11:32	06/15/22 03:41	1

QC Sample Results

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2396-1
SDG: 03D2024017

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	06/14/22 11:32	06/15/22 03:41	1
1,4-Difluorobenzene (Surr)	91		70 - 130	06/14/22 11:32	06/15/22 03:41	1

Lab Sample ID: LCS 880-27499/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 27512 — **Prep Batch: 27499**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1014		mg/Kg		101	70 - 130		
Toluene			0.100	0.09772		mg/Kg		98	70 - 130		
Ethylbenzene			0.100	0.1021		mg/Kg		102	70 - 130		
m-Xylene & p-Xylene			0.200	0.2037		mg/Kg		102	70 - 130		
o-Xylene			0.100	0.1029		mg/Kg		103	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 880-27499/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 27512 — **Prep Batch: 27499**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1084		mg/Kg		108	70 - 130	7	35
Toluene			0.100	0.1050		mg/Kg		105	70 - 130	7	35
Ethylbenzene			0.100	0.1109		mg/Kg		111	70 - 130	8	35
m-Xylene & p-Xylene			0.200	0.2208		mg/Kg		110	70 - 130	8	35
o-Xylene			0.100	0.1121		mg/Kg		112	70 - 130	9	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 890-2388-A-19-F MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 27512 — **Prep Batch: 27499**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U F1	0.100	0.03062	F1	mg/Kg		31	70 - 130		
Toluene	<0.00200	U F1	0.100	0.03557	F1	mg/Kg		36	70 - 130		
Ethylbenzene	<0.00200	U F1	0.100	0.03756	F1	mg/Kg		37	70 - 130		
m-Xylene & p-Xylene	<0.00401	U F1	0.200	0.07761	F1	mg/Kg		39	70 - 130		
o-Xylene	<0.00200	U F1	0.100	0.04337	F1	mg/Kg		43	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

QC Sample Results

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2396-1
SDG: 03D2024017

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

Lab Sample ID: 890-2388-A-19-G MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 27512 — **Prep Batch: 27499**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.0996	0.03440	F1	mg/Kg		35	70 - 130	12	35
Toluene	<0.00200	U F1	0.0996	0.04224	F1	mg/Kg		42	70 - 130	17	35
Ethylbenzene	<0.00200	U F1	0.0996	0.04317	F1	mg/Kg		43	70 - 130	14	35
m-Xylene & p-Xylene	<0.00401	U F1	0.199	0.08736	F1	mg/Kg		44	70 - 130	12	35
o-Xylene	<0.00200	U F1	0.0996	0.05106	F1	mg/Kg		51	70 - 130	16	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: MB 880-27537/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 27554 — **Prep Batch: 27537**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/14/22 15:38	06/15/22 23:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/14/22 15:38	06/15/22 23:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/14/22 15:38	06/15/22 23:04	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/14/22 15:38	06/15/22 23:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/14/22 15:38	06/15/22 23:04	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/14/22 15:38	06/15/22 23:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*06/14/22 15:38*	*06/15/22 23:04*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*06/14/22 15:38*	*06/15/22 23:04*	*1*

Lab Sample ID: LCS 880-27537/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 27554 — **Prep Batch: 27537**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08797		mg/Kg		88	70 - 130		
Toluene			0.100	0.09739		mg/Kg		97	70 - 130		
Ethylbenzene			0.100	0.09008		mg/Kg		90	70 - 130		
m-Xylene & p-Xylene			0.200	0.1795		mg/Kg		90	70 - 130		
o-Xylene			0.100	0.09878		mg/Kg		99	70 - 130		

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

Lab Sample ID: LCSD 880-27537/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 27554 — **Prep Batch: 27537**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08628		mg/Kg		86	70 - 130	2	35
Toluene			0.100	0.09301		mg/Kg		93	70 - 130	5	35

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QC Sample Results

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2396-1
SDG: 03D2024017

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

Lab Sample ID: LCSD 880-27537/2-A
Matrix: Solid
Analysis Batch: 27554

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 27537

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylbenzene			0.100	0.08378		mg/Kg		84	70 - 130	7	35
m-Xylene & p-Xylene			0.200	0.1655		mg/Kg		83	70 - 130	8	35
o-Xylene			0.100	0.09112		mg/Kg		91	70 - 130	8	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 890-2396-2 MS
Matrix: Solid
Analysis Batch: 27554

Client Sample ID: FS02
Prep Type: Total/NA
Prep Batch: 27537

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U F1	0.0996	0.03703	F1	mg/Kg		37	70 - 130
Toluene	<0.00199	U F2 F1	0.0996	0.02686	F1	mg/Kg		27	70 - 130
Ethylbenzene	<0.00199	U F2 F1	0.0996	0.02006	F1	mg/Kg		20	70 - 130
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.199	0.03639	F1	mg/Kg		17	70 - 130
o-Xylene	<0.00199	U F2 F1	0.0996	0.02095	F1	mg/Kg		21	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*53*	*S1-*	*70 - 130*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*

Lab Sample ID: 890-2396-2 MSD
Matrix: Solid
Analysis Batch: 27554

Client Sample ID: FS02
Prep Type: Total/NA
Prep Batch: 27537

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.101	0.04066	F1	mg/Kg		40	70 - 130	9	35
Toluene	<0.00199	U F2 F1	0.101	0.04582	F2 F1	mg/Kg		45	70 - 130	52	35
Ethylbenzene	<0.00199	U F2 F1	0.101	0.04145	F2 F1	mg/Kg		41	70 - 130	70	35
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.202	0.07699	F2 F1	mg/Kg		37	70 - 130	72	35
o-Xylene	<0.00199	U F2 F1	0.101	0.04481	F2 F1	mg/Kg		44	70 - 130	73	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

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

Lab Sample ID: MB 880-27314/1-A
Matrix: Solid
Analysis Batch: 27330

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 27314

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		06/10/22 15:08	06/11/22 20:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/10/22 15:08	06/11/22 20:47	1

QC Sample Results

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2396-1
SDG: 03D2024017

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

Lab Sample ID: MB 880-27314/1-A
Matrix: Solid
Analysis Batch: 27330

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 27314

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/10/22 15:08	06/11/22 20:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*06/10/22 15:08*	*06/11/22 20:47*	*1*
o-Terphenyl	*87*		*70 - 130*	*06/10/22 15:08*	*06/11/22 20:47*	*1*

Lab Sample ID: LCS 880-27314/2-A
Matrix: Solid
Analysis Batch: 27330

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 27314

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

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

Lab Sample ID: LCSD 880-27314/3-A
Matrix: Solid
Analysis Batch: 27330

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 27314

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	901.7		mg/Kg		90	70 - 130	9	20
Diesel Range Organics (Over C10-C28)			1000	996.4		mg/Kg		100	70 - 130	7	20

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

Lab Sample ID: 890-2396-1 MS
Matrix: Solid
Analysis Batch: 27330

Client Sample ID: FS01
Prep Type: Total/NA
Prep Batch: 27314

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	997	1119		mg/Kg		112	70 - 130		
Diesel Range Organics (Over C10-C28)	90.1		997	797.6		mg/Kg		71	70 - 130		

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

QC Sample Results

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2396-1
SDG: 03D2024017

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

Lab Sample ID: 890-2396-1 MSD — **Client Sample ID: FS01**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 27330 — **Prep Batch: 27314**

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

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

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-27514/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 27549

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

Lab Sample ID: LCS 880-27514/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 27549

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

Lab Sample ID: LCSD 880-27514/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 27549

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

Lab Sample ID: 890-2396-9 MS — **Client Sample ID: FS09**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 27549

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

Lab Sample ID: 890-2396-9 MSD — **Client Sample ID: FS09**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 27549

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

QC Association Summary

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2396-1
SDG: 03D2024017

GC VOA

Prep Batch: 27184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-27184/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 27259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2396-7	FS07	Total/NA	Solid	5035	
890-2396-8	FS08	Total/NA	Solid	5035	
890-2396-9	FS09	Total/NA	Solid	5035	
MB 880-27259/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-27259/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-27259/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2376-A-56-D MS	Matrix Spike	Total/NA	Solid	5035	
890-2376-A-56-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 27306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2396-1	FS01	Total/NA	Solid	5035	
MB 880-27306/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-27306/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-27306/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2397-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
890-2397-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 27440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2396-1	FS01	Total/NA	Solid	8021B	27306
890-2396-7	FS07	Total/NA	Solid	8021B	27259
890-2396-8	FS08	Total/NA	Solid	8021B	27259
890-2396-9	FS09	Total/NA	Solid	8021B	27259
MB 880-27259/5-A	Method Blank	Total/NA	Solid	8021B	27259
MB 880-27306/5-A	Method Blank	Total/NA	Solid	8021B	27306
LCS 880-27259/1-A	Lab Control Sample	Total/NA	Solid	8021B	27259
LCS 880-27306/1-A	Lab Control Sample	Total/NA	Solid	8021B	27306
LCSD 880-27259/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	27259
LCSD 880-27306/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	27306
890-2376-A-56-D MS	Matrix Spike	Total/NA	Solid	8021B	27259
890-2376-A-56-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	27259
890-2397-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	27306
890-2397-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	27306

Prep Batch: 27492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-27492/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 27499

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2396-10	FS10	Total/NA	Solid	5035	
MB 880-27499/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-27499/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-27499/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2388-A-19-F MS	Matrix Spike	Total/NA	Solid	5035	
890-2388-A-19-G MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

QC Association Summary

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2396-1
SDG: 03D2024017

GC VOA

Analysis Batch: 27512

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2396-10	FS10	Total/NA	Solid	8021B	27499
MB 880-27492/5-A	Method Blank	Total/NA	Solid	8021B	27492
MB 880-27499/5-A	Method Blank	Total/NA	Solid	8021B	27499
LCS 880-27499/1-A	Lab Control Sample	Total/NA	Solid	8021B	27499
LCSD 880-27499/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	27499
890-2388-A-19-F MS	Matrix Spike	Total/NA	Solid	8021B	27499
890-2388-A-19-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	27499

Analysis Batch: 27528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2396-1	FS01	Total/NA	Solid	Total BTEX	
890-2396-2	FS02	Total/NA	Solid	Total BTEX	
890-2396-3	FS03	Total/NA	Solid	Total BTEX	
890-2396-4	FS04	Total/NA	Solid	Total BTEX	
890-2396-5	FS05	Total/NA	Solid	Total BTEX	
890-2396-6	FS06	Total/NA	Solid	Total BTEX	
890-2396-7	FS07	Total/NA	Solid	Total BTEX	
890-2396-8	FS08	Total/NA	Solid	Total BTEX	
890-2396-9	FS09	Total/NA	Solid	Total BTEX	
890-2396-10	FS10	Total/NA	Solid	Total BTEX	

Prep Batch: 27537

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2396-2	FS02	Total/NA	Solid	5035	
890-2396-3	FS03	Total/NA	Solid	5035	
890-2396-4	FS04	Total/NA	Solid	5035	
890-2396-5	FS05	Total/NA	Solid	5035	
890-2396-6	FS06	Total/NA	Solid	5035	
MB 880-27537/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-27537/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-27537/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2396-2 MS	FS02	Total/NA	Solid	5035	
890-2396-2 MSD	FS02	Total/NA	Solid	5035	

Analysis Batch: 27554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2396-2	FS02	Total/NA	Solid	8021B	27537
890-2396-3	FS03	Total/NA	Solid	8021B	27537
890-2396-4	FS04	Total/NA	Solid	8021B	27537
890-2396-5	FS05	Total/NA	Solid	8021B	27537
890-2396-6	FS06	Total/NA	Solid	8021B	27537
MB 880-27184/5-A	Method Blank	Total/NA	Solid	8021B	27184
MB 880-27537/5-A	Method Blank	Total/NA	Solid	8021B	27537
LCS 880-27537/1-A	Lab Control Sample	Total/NA	Solid	8021B	27537
LCSD 880-27537/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	27537
890-2396-2 MS	FS02	Total/NA	Solid	8021B	27537
890-2396-2 MSD	FS02	Total/NA	Solid	8021B	27537

QC Association Summary

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2396-1
SDG: 03D2024017

GC Semi VOA

Prep Batch: 27314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2396-1	FS01	Total/NA	Solid	8015NM Prep	
890-2396-2	FS02	Total/NA	Solid	8015NM Prep	
890-2396-3	FS03	Total/NA	Solid	8015NM Prep	
890-2396-4	FS04	Total/NA	Solid	8015NM Prep	
890-2396-5	FS05	Total/NA	Solid	8015NM Prep	
890-2396-6	FS06	Total/NA	Solid	8015NM Prep	
890-2396-7	FS07	Total/NA	Solid	8015NM Prep	
890-2396-8	FS08	Total/NA	Solid	8015NM Prep	
890-2396-9	FS09	Total/NA	Solid	8015NM Prep	
890-2396-10	FS10	Total/NA	Solid	8015NM Prep	
MB 880-27314/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-27314/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-27314/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2396-1 MS	FS01	Total/NA	Solid	8015NM Prep	
890-2396-1 MSD	FS01	Total/NA	Solid	8015NM Prep	

Analysis Batch: 27330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2396-1	FS01	Total/NA	Solid	8015B NM	27314
890-2396-2	FS02	Total/NA	Solid	8015B NM	27314
890-2396-3	FS03	Total/NA	Solid	8015B NM	27314
890-2396-4	FS04	Total/NA	Solid	8015B NM	27314
890-2396-5	FS05	Total/NA	Solid	8015B NM	27314
890-2396-6	FS06	Total/NA	Solid	8015B NM	27314
890-2396-7	FS07	Total/NA	Solid	8015B NM	27314
890-2396-8	FS08	Total/NA	Solid	8015B NM	27314
890-2396-9	FS09	Total/NA	Solid	8015B NM	27314
890-2396-10	FS10	Total/NA	Solid	8015B NM	27314
MB 880-27314/1-A	Method Blank	Total/NA	Solid	8015B NM	27314
LCS 880-27314/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	27314
LCSD 880-27314/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	27314
890-2396-1 MS	FS01	Total/NA	Solid	8015B NM	27314
890-2396-1 MSD	FS01	Total/NA	Solid	8015B NM	27314

Analysis Batch: 27384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2396-1	FS01	Total/NA	Solid	8015 NM	
890-2396-2	FS02	Total/NA	Solid	8015 NM	
890-2396-3	FS03	Total/NA	Solid	8015 NM	
890-2396-4	FS04	Total/NA	Solid	8015 NM	
890-2396-5	FS05	Total/NA	Solid	8015 NM	
890-2396-6	FS06	Total/NA	Solid	8015 NM	
890-2396-7	FS07	Total/NA	Solid	8015 NM	
890-2396-8	FS08	Total/NA	Solid	8015 NM	
890-2396-9	FS09	Total/NA	Solid	8015 NM	
890-2396-10	FS10	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2396-1
SDG: 03D2024017

HPLC/IC

Leach Batch: 27514

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2396-1	FS01	Soluble	Solid	DI Leach	
890-2396-2	FS02	Soluble	Solid	DI Leach	
890-2396-3	FS03	Soluble	Solid	DI Leach	
890-2396-4	FS04	Soluble	Solid	DI Leach	
890-2396-5	FS05	Soluble	Solid	DI Leach	
890-2396-6	FS06	Soluble	Solid	DI Leach	
890-2396-7	FS07	Soluble	Solid	DI Leach	
890-2396-8	FS08	Soluble	Solid	DI Leach	
890-2396-9	FS09	Soluble	Solid	DI Leach	
890-2396-10	FS10	Soluble	Solid	DI Leach	
MB 880-27514/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-27514/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-27514/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2396-9 MS	FS09	Soluble	Solid	DI Leach	
890-2396-9 MSD	FS09	Soluble	Solid	DI Leach	

Analysis Batch: 27549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2396-1	FS01	Soluble	Solid	300.0	27514
890-2396-2	FS02	Soluble	Solid	300.0	27514
890-2396-3	FS03	Soluble	Solid	300.0	27514
890-2396-4	FS04	Soluble	Solid	300.0	27514
890-2396-5	FS05	Soluble	Solid	300.0	27514
890-2396-6	FS06	Soluble	Solid	300.0	27514
890-2396-7	FS07	Soluble	Solid	300.0	27514
890-2396-8	FS08	Soluble	Solid	300.0	27514
890-2396-9	FS09	Soluble	Solid	300.0	27514
890-2396-10	FS10	Soluble	Solid	300.0	27514
MB 880-27514/1-A	Method Blank	Soluble	Solid	300.0	27514
LCS 880-27514/2-A	Lab Control Sample	Soluble	Solid	300.0	27514
LCSD 880-27514/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	27514
890-2396-9 MS	FS09	Soluble	Solid	300.0	27514
890-2396-9 MSD	FS09	Soluble	Solid	300.0	27514

Lab Chronicle

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2396-1
SDG: 03D2024017

Client Sample ID: FS01
Date Collected: 06/07/22 11:20
Date Received: 06/08/22 14:43

Lab Sample ID: 890-2396-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	27306	06/13/22 16:50	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27440	06/13/22 22:39	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27528	06/14/22 15:18	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27384	06/13/22 09:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27314	06/10/22 15:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27330	06/11/22 21:54	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	27514	06/14/22 13:29	SC	XEN MID
Soluble	Analysis	300.0		1			27549	06/15/22 17:12	CH	XEN MID

Client Sample ID: FS02
Date Collected: 06/07/22 13:30
Date Received: 06/08/22 14:43

Lab Sample ID: 890-2396-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	27537	06/14/22 15:38	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27554	06/15/22 23:26	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27528	06/14/22 15:18	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27384	06/13/22 09:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27314	06/10/22 15:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27330	06/11/22 22:57	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	27514	06/14/22 13:29	SC	XEN MID
Soluble	Analysis	300.0		1			27549	06/15/22 17:20	CH	XEN MID

Client Sample ID: FS03
Date Collected: 06/07/22 11:30
Date Received: 06/08/22 14:43

Lab Sample ID: 890-2396-3
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			5.04 g	5 mL	27537	06/14/22 15:38	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27554	06/15/22 23:47	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27528	06/14/22 15:18	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27384	06/13/22 09:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27314	06/10/22 15:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27330	06/11/22 23:18	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	27514	06/14/22 13:29	SC	XEN MID
Soluble	Analysis	300.0		1			27549	06/15/22 17:28	CH	XEN MID

Client Sample ID: FS04
Date Collected: 06/07/22 13:35
Date Received: 06/08/22 14:43

Lab Sample ID: 890-2396-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	27537	06/14/22 15:38	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27554	06/16/22 00:08	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27528	06/14/22 15:18	SM	XEN MID

Lab Chronicle

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2396-1
SDG: 03D2024017

Client Sample ID: FS04

Date Collected: 06/07/22 13:35
Date Received: 06/08/22 14:43

Lab Sample ID: 890-2396-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			27384	06/13/22 09:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27314	06/10/22 15:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27330	06/11/22 23:38	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	27514	06/14/22 13:29	SC	XEN MID
Soluble	Analysis	300.0		1			27549	06/15/22 17:51	CH	XEN MID

Client Sample ID: FS05

Date Collected: 06/07/22 11:50
Date Received: 06/08/22 14:43

Lab Sample ID: 890-2396-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	27537	06/14/22 15:38	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27554	06/16/22 00:28	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27528	06/14/22 15:18	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27384	06/13/22 09:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27314	06/10/22 15:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27330	06/11/22 23:58	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	27514	06/14/22 13:29	SC	XEN MID
Soluble	Analysis	300.0		1			27549	06/15/22 17:59	CH	XEN MID

Client Sample ID: FS06

Date Collected: 06/07/22 11:55
Date Received: 06/08/22 14:43

Lab Sample ID: 890-2396-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	27537	06/14/22 15:38	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27554	06/16/22 00:49	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27528	06/14/22 15:18	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27384	06/13/22 09:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27314	06/10/22 15:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27330	06/12/22 00:18	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	27514	06/14/22 13:29	SC	XEN MID
Soluble	Analysis	300.0		1			27549	06/15/22 18:07	CH	XEN MID

Client Sample ID: FS07

Date Collected: 06/07/22 12:00
Date Received: 06/08/22 14:43

Lab Sample ID: 890-2396-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	27259	06/10/22 12:19	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27440	06/14/22 09:00	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27528	06/14/22 15:18	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27384	06/13/22 09:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27314	06/10/22 15:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27330	06/12/22 00:39	AJ	XEN MID

Lab Chronicle

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2396-1
SDG: 03D2024017

Client Sample ID: FS07

Date Collected: 06/07/22 12:00
Date Received: 06/08/22 14:43

Lab Sample ID: 890-2396-7
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			4.95 g	50 mL	27514	06/14/22 13:29	SC	XEN MID
Soluble	Analysis	300.0		1			27549	06/15/22 18:15	CH	XEN MID

Client Sample ID: FS08

Date Collected: 06/07/22 12:05
Date Received: 06/08/22 14:43

Lab Sample ID: 890-2396-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	27259	06/10/22 17:01	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27440	06/14/22 09:20	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27528	06/14/22 15:18	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27384	06/13/22 09:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	27314	06/10/22 15:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27330	06/12/22 00:59	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	27514	06/14/22 13:29	SC	XEN MID
Soluble	Analysis	300.0		1			27549	06/15/22 18:22	CH	XEN MID

Client Sample ID: FS09

Date Collected: 06/07/22 12:25
Date Received: 06/08/22 14:43

Lab Sample ID: 890-2396-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	27259	06/10/22 12:19	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27440	06/14/22 09:41	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27528	06/14/22 15:18	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27384	06/13/22 09:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27314	06/10/22 15:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27330	06/12/22 01:19	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	27514	06/14/22 13:29	SC	XEN MID
Soluble	Analysis	300.0		1			27549	06/15/22 18:30	CH	XEN MID

Client Sample ID: FS10

Date Collected: 06/07/22 12:30
Date Received: 06/08/22 14:43

Lab Sample ID: 890-2396-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	27499	06/14/22 11:32	MR	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	27512	06/15/22 05:04	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27528	06/14/22 15:18	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27384	06/13/22 09:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	27314	06/10/22 15:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27330	06/12/22 01:39	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	27514	06/14/22 13:29	SC	XEN MID
Soluble	Analysis	300.0		1			27549	06/15/22 18:54	CH	XEN MID

Lab Chronicle

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2396-1
SDG: 03D2024017

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2396-1
SDG: 03D2024017

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	T104704400-21-22	06-30-22

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: Fascinator Fee Com #002H

Job ID: 890-2396-1
SDG: 03D2024017

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2396-1
SDG: 03D2024017

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2396-1	FS01	Solid	06/07/22 11:20	06/08/22 14:43	0.75'
890-2396-2	FS02	Solid	06/07/22 13:30	06/08/22 14:43	0.75'
890-2396-3	FS03	Solid	06/07/22 11:30	06/08/22 14:43	0.75'
890-2396-4	FS04	Solid	06/07/22 13:35	06/08/22 14:43	0.75'
890-2396-5	FS05	Solid	06/07/22 11:50	06/08/22 14:43	0.75'
890-2396-6	FS06	Solid	06/07/22 11:55	06/08/22 14:43	0.75'
890-2396-7	FS07	Solid	06/07/22 12:00	06/08/22 14:43	0.75'
890-2396-8	FS08	Solid	06/07/22 12:05	06/08/22 14:43	0.75'
890-2396-9	FS09	Solid	06/07/22 12:25	06/08/22 14:43	0.75'
890-2396-10	FS10	Solid	06/07/22 12:30	06/08/22 14:43	0.75'

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Chain of Custody

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

Work Order No: _____

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Project Manager:	Kalei Jennings	Bill to: (if different)	Kalei Jennigns
Company Name:	Ensolum, LLC	Company Name:	Ensolum, LLC
Address:	601 N Marienfeld St Suite 400	Address:	601 N Marienfeld St Suite 400
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	817-683-2503	Email:	kjennings@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:	Fascinator Fee Com #002H	Turn Around	
Project Number:	03D2024017	☑ Routine ☐ Rush	
Project Location:		Due Date:	
Sampler's Name:	Conner Shore	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:	T-NM-007	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	3.4	
Total Containers:		Corrected Temperature:	3.2	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	CHLORIDES (EPA: 300.0)	TPH (8015)	BTEX (8021)	Sample Comments
FS01	s	6.7.22	1120	0.75'	C	1		x	x	x	
FS02	s	6.7.22	1330	0.75'	C	1		x	x	x	
FS03	s	6.7.22	1130	0.75'	C	1		x	x	x	NAPP2201131030
FS04	s	6.7.22	1335	0.75'	C	1		x	x	x	
FS05	s	6.7.22	1150	0.75'	C	1		x	x	x	
FS06	s	6.7.22	1155	0.75'	C	1		x	x	x	
FS07	s	6.7.22	1200	0.75'	C	1		x	x	x	
FS08	s	6.7.22	1205	0.75'	C	1		x	x	x	
FS09	s	6.7.22	1225	0.75'	C	1		x	x	x	
FS10	s	6.7.22	1230	0.75'	C	1		x	x	x	

Parameters

ANALYSIS REQUEST

Preservative Codes

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

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010:** 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Amanda Stutz	6/8/22 1443	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-2396-1
SDG Number: 03D2024017

Login Number: 2396
List Number: 1
Creator: Stutzman, Amanda

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.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-2396-1
SDG Number: 03D2024017

Login Number: 2396
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 06/10/22 11:28 AM

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

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ANALYTICAL REPORT

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

Laboratory Job ID: 890-2397-1
Laboratory Sample Delivery Group: 03D2024017
Client Project/Site: Fascinator Fee Com #002H

For:
Ensolum
705 W. Wadley
Suite 210
Midland, Texas 79701

Attn: Kalei Jennings

JKramer

Authorized for release by:
6/16/2022 11:33:02 AM

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

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

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

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Laboratory Job ID: 890-2397-1
SDG: 03D2024017

Table of Contents

Definitions/Glossary

Client: Ensolum Job ID: 890-2397-1
Project/Site: Fascinator Fee Com #002H SDG: 03D2024017

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2397-1
SDG: 03D2024017

Job ID: 890-2397-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-2397-1

Receipt
The samples were received on 6/8/2022 2:43 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.2°C

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-27306 and analytical batch 880-27440 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-27314/2-A), (890-2396-A-1-D) and (890-2396-A-1-E MS). Evidence of matrix interferences is not obvious.

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

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

Client Sample Results

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2397-1
SDG: 03D2024017

Client Sample ID: PH01

Lab Sample ID: 890-2397-1
Matrix: Solid
Date Collected: 06/07/22 09:20
Date Received: 06/08/22 14:43
Sample Depth: 1'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U F1	0.00201		mg/Kg		06/10/22 12:47	06/13/22 17:07	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/10/22 12:47	06/13/22 17:07	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/10/22 12:47	06/13/22 17:07	1
m-Xylene & p-Xylene	<0.00402	U F1	0.00402		mg/Kg		06/10/22 12:47	06/13/22 17:07	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/10/22 12:47	06/13/22 17:07	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/10/22 12:47	06/13/22 17:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*06/10/22 12:47*	*06/13/22 17:07*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*06/10/22 12:47*	*06/13/22 17:07*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/14/22 15:18	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/13/22 09:42	1

Method: 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		06/10/22 16:16	06/12/22 13:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/10/22 16:16	06/12/22 13:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/10/22 16:16	06/12/22 13:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*06/10/22 16:16*	*06/12/22 13:42*	*1*
o-Terphenyl	*94*		*70 - 130*	*06/10/22 16:16*	*06/12/22 13:42*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**509**		4.98		mg/Kg			06/15/22 19:02	1

Client Sample ID: PH01

Lab Sample ID: 890-2397-2
Matrix: Solid
Date Collected: 06/07/22 09:25
Date Received: 06/08/22 14:43
Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/10/22 12:47	06/13/22 17:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/10/22 12:47	06/13/22 17:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/10/22 12:47	06/13/22 17:27	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/10/22 12:47	06/13/22 17:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/10/22 12:47	06/13/22 17:27	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/10/22 12:47	06/13/22 17:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*06/10/22 12:47*	*06/13/22 17:27*	*1*

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Client Sample Results

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2397-1
SDG: 03D2024017

Client Sample ID: PH01
Date Collected: 06/07/22 09:25
Date Received: 06/08/22 14:43
Sample Depth: 2'

Lab Sample ID: 890-2397-2
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*06/10/22 12:47*	*06/13/22 17:27*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/14/22 15:18	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/13/22 09:42	1

Method: 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		06/10/22 16:16	06/12/22 14:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/10/22 16:16	06/12/22 14:47	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/10/22 16:16	06/12/22 14:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*06/10/22 16:16*	*06/12/22 14:47*	*1*
o-Terphenyl	*89*		*70 - 130*	*06/10/22 16:16*	*06/12/22 14:47*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**407**		5.00		mg/Kg			06/15/22 19:25	1

Client Sample ID: PH01
Date Collected: 06/07/22 09:40
Date Received: 06/08/22 14:43
Sample Depth: 3'

Lab Sample ID: 890-2397-3
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/10/22 12:47	06/13/22 17:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/10/22 12:47	06/13/22 17:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/10/22 12:47	06/13/22 17:48	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/10/22 12:47	06/13/22 17:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/10/22 12:47	06/13/22 17:48	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/10/22 12:47	06/13/22 17:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*06/10/22 12:47*	*06/13/22 17:48*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*06/10/22 12:47*	*06/13/22 17:48*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/14/22 15:18	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/13/22 09:42	1

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Client Sample Results

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2397-1
SDG: 03D2024017

Client Sample ID: PH01

Lab Sample ID: 890-2397-3
Matrix: Solid
Date Collected: 06/07/22 09:40
Date Received: 06/08/22 14:43
Sample Depth: 3'

Method: 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		06/10/22 16:16	06/12/22 15:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/10/22 16:16	06/12/22 15:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/10/22 16:16	06/12/22 15:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*06/10/22 16:16*	*06/12/22 15:09*	*1*
o-Terphenyl	*93*		*70 - 130*	*06/10/22 16:16*	*06/12/22 15:09*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**82.4**		4.99		mg/Kg			06/15/22 19:33	1

Client Sample ID: PH02

Lab Sample ID: 890-2397-4
Matrix: Solid
Date Collected: 06/07/22 09:55
Date Received: 06/08/22 14:43
Sample Depth: 1'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/10/22 12:47	06/13/22 18:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/10/22 12:47	06/13/22 18:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/10/22 12:47	06/13/22 18:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/10/22 12:47	06/13/22 18:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/10/22 12:47	06/13/22 18:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/10/22 12:47	06/13/22 18:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*06/10/22 12:47*	*06/13/22 18:09*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*06/10/22 12:47*	*06/13/22 18:09*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/14/22 15:18	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/13/22 09:42	1

Method: 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		06/10/22 16:16	06/12/22 15:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/10/22 16:16	06/12/22 15:31	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/10/22 16:16	06/12/22 15:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*06/10/22 16:16*	*06/12/22 15:31*	*1*
o-Terphenyl	*119*		*70 - 130*	*06/10/22 16:16*	*06/12/22 15:31*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2397-1
SDG: 03D2024017

Client Sample ID: PH02

Lab Sample ID: 890-2397-4
Matrix: Solid
Date Collected: 06/07/22 09:55
Date Received: 06/08/22 14:43
Sample Depth: 1'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	527		5.04		mg/Kg			06/15/22 19:41	1

Client Sample ID: PH02

Lab Sample ID: 890-2397-5
Matrix: Solid
Date Collected: 06/07/22 10:00
Date Received: 06/08/22 14:43
Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/10/22 12:47	06/13/22 18:30	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/10/22 12:47	06/13/22 18:30	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/10/22 12:47	06/13/22 18:30	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/10/22 12:47	06/13/22 18:30	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/10/22 12:47	06/13/22 18:30	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/10/22 12:47	06/13/22 18:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*06/10/22 12:47*	*06/13/22 18:30*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*06/10/22 12:47*	*06/13/22 18:30*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/14/22 15:18	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/13/22 09:42	1

Method: 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		06/10/22 16:16	06/12/22 15:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/10/22 16:16	06/12/22 15:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/10/22 16:16	06/12/22 15:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*06/10/22 16:16*	*06/12/22 15:52*	*1*
o-Terphenyl	*97*		*70 - 130*	*06/10/22 16:16*	*06/12/22 15:52*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	554		5.02		mg/Kg			06/15/22 19:49	1

Client Sample Results

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2397-1
SDG: 03D2024017

Client Sample ID: PH02

Date Collected: 06/07/22 10:05
Date Received: 06/08/22 14:43
Sample Depth: 3'

Lab Sample ID: 890-2397-6

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/10/22 12:47	06/13/22 18:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/10/22 12:47	06/13/22 18:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/10/22 12:47	06/13/22 18:50	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/10/22 12:47	06/13/22 18:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/10/22 12:47	06/13/22 18:50	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/10/22 12:47	06/13/22 18:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*06/10/22 12:47*	*06/13/22 18:50*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*06/10/22 12:47*	*06/13/22 18:50*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/14/22 15:18	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/13/22 09:42	1

Method: 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		06/10/22 15:08	06/12/22 02:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/10/22 15:08	06/12/22 02:40	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/10/22 15:08	06/12/22 02:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*06/10/22 15:08*	*06/12/22 02:40*	*1*
o-Terphenyl	*86*		*70 - 130*	*06/10/22 15:08*	*06/12/22 02:40*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**119**		5.00		mg/Kg			06/15/22 19:57	1

Surrogate Summary

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2397-1
SDG: 03D2024017

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-2397-1	PH01	91	104
890-2397-1 MS	PH01	113	95
890-2397-1 MSD	PH01	96	96
890-2397-2	PH01	94	106
890-2397-3	PH01	94	98
890-2397-4	PH02	93	106
890-2397-5	PH02	92	102
890-2397-6	PH02	107	95
LCS 880-27306/1-A	Lab Control Sample	118	97
LCSD 880-27306/2-A	Lab Control Sample Dup	101	100
MB 880-27306/5-A	Method Blank	91	102

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-2396-A-1-E MS	Matrix Spike	78	8 S1-
890-2396-A-1-F MSD	Matrix Spike Duplicate	80	74
890-2397-1	PH01	86	94
890-2397-1 MS	PH01	89	82
890-2397-1 MSD	PH01	84	78
890-2397-2	PH01	84	89
890-2397-3	PH01	85	93
890-2397-4	PH02	106	119
890-2397-5	PH02	90	97
890-2397-6	PH02	83	86
LCS 880-27314/2-A	Lab Control Sample	93	13 S1-
LCS 880-27321/2-A	Lab Control Sample	104	101
LCSD 880-27314/3-A	Lab Control Sample Dup	91	87
LCSD 880-27321/3-A	Lab Control Sample Dup	101	101
MB 880-27314/1-A	Method Blank	80	87
MB 880-27321/1-A	Method Blank	79	91

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2397-1
SDG: 03D2024017

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-27306/5-A
Matrix: Solid
Analysis Batch: 27440

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 27306

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

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

Lab Sample ID: LCS 880-27306/1-A
Matrix: Solid
Analysis Batch: 27440

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 27306

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08388		mg/Kg		84	70 - 130		
Toluene			0.100	0.1036		mg/Kg		104	70 - 130		
Ethylbenzene			0.100	0.1050		mg/Kg		105	70 - 130		
m-Xylene & p-Xylene			0.200	0.2149		mg/Kg		107	70 - 130		
o-Xylene			0.100	0.1181		mg/Kg		118	70 - 130		

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

Lab Sample ID: LCSD 880-27306/2-A
Matrix: Solid
Analysis Batch: 27440

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 27306

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

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

Lab Sample ID: 890-2397-1 MS
Matrix: Solid
Analysis Batch: 27440

Client Sample ID: PH01
Prep Type: Total/NA
Prep Batch: 27306

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00201	U F1	0.0994	0.06177	F1	mg/Kg		62	70 - 130		
Toluene	<0.00201	U	0.0994	0.07783		mg/Kg		77	70 - 130		

QC Sample Results

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2397-1
SDG: 03D2024017

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

Lab Sample ID: 890-2397-1 MS
Matrix: Solid
Analysis Batch: 27440

Client Sample ID: PH01
Prep Type: Total/NA
Prep Batch: 27306

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

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

Lab Sample ID: 890-2397-1 MSD
Matrix: Solid
Analysis Batch: 27440

Client Sample ID: PH01
Prep Type: Total/NA
Prep Batch: 27306

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

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

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

Lab Sample ID: MB 880-27314/1-A
Matrix: Solid
Analysis Batch: 27330

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 27314

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		06/10/22 15:08	06/11/22 20:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/10/22 15:08	06/11/22 20:47	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/10/22 15:08	06/11/22 20:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*06/10/22 15:08*	*06/11/22 20:47*	*1*
o-Terphenyl	*87*		*70 - 130*	*06/10/22 15:08*	*06/11/22 20:47*	*1*

Lab Sample ID: LCS 880-27314/2-A
Matrix: Solid
Analysis Batch: 27330

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 27314

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

QC Sample Results

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2397-1
SDG: 03D2024017

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

Lab Sample ID: LCS 880-27314/2-A
Matrix: Solid
Analysis Batch: 27330

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 27314

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

Lab Sample ID: LCSD 880-27314/3-A
Matrix: Solid
Analysis Batch: 27330

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 27314

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	901.7		mg/Kg		90	70 - 130	9	20
Diesel Range Organics (Over C10-C28)			1000	996.4		mg/Kg		100	70 - 130	7	20

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

Lab Sample ID: 890-2396-A-1-E MS
Matrix: Solid
Analysis Batch: 27330

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 27314

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	997	1119		mg/Kg		112	70 - 130
Diesel Range Organics (Over C10-C28)	90.1		997	797.6		mg/Kg		71	70 - 130

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

Lab Sample ID: 890-2396-A-1-F MSD
Matrix: Solid
Analysis Batch: 27330

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 27314

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

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

QC Sample Results

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2397-1
SDG: 03D2024017

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

Lab Sample ID: MB 880-27321/1-A
Matrix: Solid
Analysis Batch: 27342

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 27321

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		06/10/22 16:16	06/12/22 12:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/10/22 16:16	06/12/22 12:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/10/22 16:16	06/12/22 12:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*06/10/22 16:16*	*06/12/22 12:38*	*1*
o-Terphenyl	*91*		*70 - 130*	*06/10/22 16:16*	*06/12/22 12:38*	*1*

Lab Sample ID: LCS 880-27321/2-A
Matrix: Solid
Analysis Batch: 27342

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 27321

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	886.9		mg/Kg		89	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1150		mg/Kg		115	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*104*		*70 - 130*
o-Terphenyl	*101*		*70 - 130*

Lab Sample ID: LCSD 880-27321/3-A
Matrix: Solid
Analysis Batch: 27342

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 27321

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	850.2		mg/Kg		85	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	1130		mg/Kg		113	70 - 130	2	20

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

Lab Sample ID: 890-2397-1 MS
Matrix: Solid
Analysis Batch: 27342

Client Sample ID: PH01
Prep Type: Total/NA
Prep Batch: 27321

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	997	810.0		mg/Kg		81	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	997	925.4		mg/Kg		91	70 - 130		

QC Sample Results

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2397-1
SDG: 03D2024017

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

Lab Sample ID: 890-2397-1 MS
Matrix: Solid
Analysis Batch: 27342

Client Sample ID: PH01
Prep Type: Total/NA
Prep Batch: 27321

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*89*		*70 - 130*
o-Terphenyl	*82*		*70 - 130*

Lab Sample ID: 890-2397-1 MSD
Matrix: Solid
Analysis Batch: 27342

Client Sample ID: PH01
Prep Type: Total/NA
Prep Batch: 27321

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	872.0		mg/Kg		87	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	874.2		mg/Kg		85	70 - 130	6	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*84*		*70 - 130*
o-Terphenyl	*78*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-27514/1-A
Matrix: Solid
Analysis Batch: 27549

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			06/15/22 16:17	1

Lab Sample ID: LCS 880-27514/2-A
Matrix: Solid
Analysis Batch: 27549

Client Sample ID: Lab Control Sample
Prep Type: Soluble

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

Lab Sample ID: LCSD 880-27514/3-A
Matrix: Solid
Analysis Batch: 27549

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	258.5		mg/Kg		103	90 - 110	2	20

Lab Sample ID: 890-2396-A-9-F MS
Matrix: Solid
Analysis Batch: 27549

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	148		249	395.1		mg/Kg		99	90 - 110		

QC Sample Results

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2397-1
SDG: 03D2024017

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-2396-A-9-G MSD
Matrix: Solid
Analysis Batch: 27549

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	148		249	397.0		mg/Kg		100	90 - 110	0	20

QC Association Summary

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2397-1
SDG: 03D2024017

GC VOA

Prep Batch: 27306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2397-1	PH01	Total/NA	Solid	5035	
890-2397-2	PH01	Total/NA	Solid	5035	
890-2397-3	PH01	Total/NA	Solid	5035	
890-2397-4	PH02	Total/NA	Solid	5035	
890-2397-5	PH02	Total/NA	Solid	5035	
890-2397-6	PH02	Total/NA	Solid	5035	
MB 880-27306/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-27306/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-27306/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2397-1 MS	PH01	Total/NA	Solid	5035	
890-2397-1 MSD	PH01	Total/NA	Solid	5035	

Analysis Batch: 27440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2397-1	PH01	Total/NA	Solid	8021B	27306
890-2397-2	PH01	Total/NA	Solid	8021B	27306
890-2397-3	PH01	Total/NA	Solid	8021B	27306
890-2397-4	PH02	Total/NA	Solid	8021B	27306
890-2397-5	PH02	Total/NA	Solid	8021B	27306
890-2397-6	PH02	Total/NA	Solid	8021B	27306
MB 880-27306/5-A	Method Blank	Total/NA	Solid	8021B	27306
LCS 880-27306/1-A	Lab Control Sample	Total/NA	Solid	8021B	27306
LCSD 880-27306/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	27306
890-2397-1 MS	PH01	Total/NA	Solid	8021B	27306
890-2397-1 MSD	PH01	Total/NA	Solid	8021B	27306

Analysis Batch: 27526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2397-1	PH01	Total/NA	Solid	Total BTEX	
890-2397-2	PH01	Total/NA	Solid	Total BTEX	
890-2397-3	PH01	Total/NA	Solid	Total BTEX	
890-2397-4	PH02	Total/NA	Solid	Total BTEX	
890-2397-5	PH02	Total/NA	Solid	Total BTEX	
890-2397-6	PH02	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 27314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2397-6	PH02	Total/NA	Solid	8015NM Prep	
MB 880-27314/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-27314/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-27314/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2396-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2396-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 27321

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2397-1	PH01	Total/NA	Solid	8015NM Prep	
890-2397-2	PH01	Total/NA	Solid	8015NM Prep	
890-2397-3	PH01	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2397-1
SDG: 03D2024017

GC Semi VOA (Continued)

Prep Batch: 27321 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2397-4	PH02	Total/NA	Solid	8015NM Prep	
890-2397-5	PH02	Total/NA	Solid	8015NM Prep	
MB 880-27321/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-27321/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-27321/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2397-1 MS	PH01	Total/NA	Solid	8015NM Prep	
890-2397-1 MSD	PH01	Total/NA	Solid	8015NM Prep	

Analysis Batch: 27330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2397-6	PH02	Total/NA	Solid	8015B NM	27314
MB 880-27314/1-A	Method Blank	Total/NA	Solid	8015B NM	27314
LCS 880-27314/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	27314
LCSD 880-27314/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	27314
890-2396-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	27314
890-2396-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	27314

Analysis Batch: 27342

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2397-1	PH01	Total/NA	Solid	8015B NM	27321
890-2397-2	PH01	Total/NA	Solid	8015B NM	27321
890-2397-3	PH01	Total/NA	Solid	8015B NM	27321
890-2397-4	PH02	Total/NA	Solid	8015B NM	27321
890-2397-5	PH02	Total/NA	Solid	8015B NM	27321
MB 880-27321/1-A	Method Blank	Total/NA	Solid	8015B NM	27321
LCS 880-27321/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	27321
LCSD 880-27321/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	27321
890-2397-1 MS	PH01	Total/NA	Solid	8015B NM	27321
890-2397-1 MSD	PH01	Total/NA	Solid	8015B NM	27321

Analysis Batch: 27386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2397-1	PH01	Total/NA	Solid	8015 NM	
890-2397-2	PH01	Total/NA	Solid	8015 NM	
890-2397-3	PH01	Total/NA	Solid	8015 NM	
890-2397-4	PH02	Total/NA	Solid	8015 NM	
890-2397-5	PH02	Total/NA	Solid	8015 NM	
890-2397-6	PH02	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 27514

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2397-1	PH01	Soluble	Solid	DI Leach	
890-2397-2	PH01	Soluble	Solid	DI Leach	
890-2397-3	PH01	Soluble	Solid	DI Leach	
890-2397-4	PH02	Soluble	Solid	DI Leach	
890-2397-5	PH02	Soluble	Solid	DI Leach	
890-2397-6	PH02	Soluble	Solid	DI Leach	
MB 880-27514/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-27514/2-A	Lab Control Sample	Soluble	Solid	DI Leach	

QC Association Summary

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2397-1
SDG: 03D2024017

HPLC/IC (Continued)

Leach Batch: 27514 (Continued)

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

Analysis Batch: 27549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2397-1	PH01	Soluble	Solid	300.0	27514
890-2397-2	PH01	Soluble	Solid	300.0	27514
890-2397-3	PH01	Soluble	Solid	300.0	27514
890-2397-4	PH02	Soluble	Solid	300.0	27514
890-2397-5	PH02	Soluble	Solid	300.0	27514
890-2397-6	PH02	Soluble	Solid	300.0	27514
MB 880-27514/1-A	Method Blank	Soluble	Solid	300.0	27514
LCS 880-27514/2-A	Lab Control Sample	Soluble	Solid	300.0	27514
LCSD 880-27514/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	27514
890-2396-A-9-F MS	Matrix Spike	Soluble	Solid	300.0	27514
890-2396-A-9-G MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	27514

Lab Chronicle

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2397-1
SDG: 03D2024017

Client Sample ID: PH01
Date Collected: 06/07/22 09:20
Date Received: 06/08/22 14:43

Lab Sample ID: 890-2397-1
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	27306	06/10/22 12:47	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27440	06/13/22 17:07	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27526	06/14/22 15:18	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27386	06/13/22 09:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27321	06/10/22 16:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27342	06/12/22 13:42	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	27514	06/14/22 13:29	SC	XEN MID
Soluble	Analysis	300.0		1			27549	06/15/22 19:02	CH	XEN MID

Client Sample ID: PH01
Date Collected: 06/07/22 09:25
Date Received: 06/08/22 14:43

Lab Sample ID: 890-2397-2
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			4.99 g	5 mL	27306	06/10/22 12:47	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27440	06/13/22 17:27	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27526	06/14/22 15:18	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27386	06/13/22 09:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27321	06/10/22 16:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27342	06/12/22 14:47	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	27514	06/14/22 13:29	SC	XEN MID
Soluble	Analysis	300.0		1			27549	06/15/22 19:25	CH	XEN MID

Client Sample ID: PH01
Date Collected: 06/07/22 09:40
Date Received: 06/08/22 14:43

Lab Sample ID: 890-2397-3
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	27306	06/10/22 12:47	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27440	06/13/22 17:48	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27526	06/14/22 15:18	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27386	06/13/22 09:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27321	06/10/22 16:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27342	06/12/22 15:09	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	27514	06/14/22 13:29	SC	XEN MID
Soluble	Analysis	300.0		1			27549	06/15/22 19:33	CH	XEN MID

Client Sample ID: PH02
Date Collected: 06/07/22 09:55
Date Received: 06/08/22 14:43

Lab Sample ID: 890-2397-4
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			5.03 g	5 mL	27306	06/10/22 12:47	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27440	06/13/22 18:09	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27526	06/14/22 15:18	SM	XEN MID

Lab Chronicle

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2397-1
SDG: 03D2024017

Client Sample ID: PH02
Date Collected: 06/07/22 09:55
Date Received: 06/08/22 14:43

Lab Sample ID: 890-2397-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			27386	06/13/22 09:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27321	06/10/22 16:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27342	06/12/22 15:31	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	27514	06/14/22 13:29	SC	XEN MID
Soluble	Analysis	300.0		1			27549	06/15/22 19:41	CH	XEN MID

Client Sample ID: PH02
Date Collected: 06/07/22 10:00
Date Received: 06/08/22 14:43

Lab Sample ID: 890-2397-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	27306	06/10/22 12:47	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27440	06/13/22 18:30	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27526	06/14/22 15:18	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27386	06/13/22 09:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27321	06/10/22 16:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27342	06/12/22 15:52	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	27514	06/14/22 13:29	SC	XEN MID
Soluble	Analysis	300.0		1			27549	06/15/22 19:49	CH	XEN MID

Client Sample ID: PH02
Date Collected: 06/07/22 10:05
Date Received: 06/08/22 14:43

Lab Sample ID: 890-2397-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	27306	06/10/22 12:47	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27440	06/13/22 18:50	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27526	06/14/22 15:18	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27386	06/13/22 09:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27314	06/10/22 15:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27330	06/12/22 02:40	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	27514	06/14/22 13:29	SC	XEN MID
Soluble	Analysis	300.0		1			27549	06/15/22 19:57	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2397-1
SDG: 03D2024017

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	T104704400-21-22	06-30-22

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: Fascinator Fee Com #002H

Job ID: 890-2397-1
SDG: 03D2024017

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Ensolum
Project/Site: Fascinator Fee Com #002H

Job ID: 890-2397-1
SDG: 03D2024017

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2397-1	PH01	Solid	06/07/22 09:20	06/08/22 14:43	1'
890-2397-2	PH01	Solid	06/07/22 09:25	06/08/22 14:43	2'
890-2397-3	PH01	Solid	06/07/22 09:40	06/08/22 14:43	3'
890-2397-4	PH02	Solid	06/07/22 09:55	06/08/22 14:43	1'
890-2397-5	PH02	Solid	06/07/22 10:00	06/08/22 14:43	2'
890-2397-6	PH02	Solid	06/07/22 10:05	06/08/22 14:43	3'

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Chain of Custody

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

Work Order No: _____

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Project Manager:	Kalei Jennings	Bill to: (if different)	Kalei Jennigns
Company Name:	Ensolum, LLC	Company Name:	Ensolum, LLC
Address:	601 N Marienfeld St Suite 400	Address:	601 N Marienfeld St Suite 400
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	817-683-2503	Email:	kjennings@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:	Fascinator Fee Com #002H	Turn Around	☑ Routine ☐ Rush
Project Number:	03D2024017	Due Date:	
Project Location:		TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Conner Shore		
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:	TM-007	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	3.4	
Total Containers:		Corrected Temperature:	3.2	

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	CHLORIDES (EPA: 300.0)	TPH (8015)	BTEX (8021)	Sample Comments
PH01	s	6.7.22	920	1'	G	1		x	x	x	
PH01	s	6.7.22	925	2'	G	1		x	x	x	
PH01	s	6.7.22	940	3'	G	1		x	x	x	NAPP2201131030
PH02	s	6.7.22	955	1'	G	1		x	x	x	
PH02	s	6.7.22	1000	2'	G	1		x	x	x	
PH02	s	6.7.22	1005	3'	G	1		x	x	x	

Parameters

890-2397 Chain of Custody

Preservative Codes

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

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Amanda Stigh	6/8/22 1443	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev: 2020.2

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-2397-1
SDG Number: 03D2024017

Login Number: 2397
List Number: 1
Creator: Stutzman, Amanda

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.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-2397-1
SDG Number: 03D2024017

Login Number: 2397
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 06/10/22 11:28 AM

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

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ANALYTICAL REPORT

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-9833-1
Laboratory Sample Delivery Group: 32.181455, -103.404179
Client Project/Site: Fascinator Fee com #002H

For:
WSP USA Inc.
2777 N. Stemmons Freeway
Suite 1600
Dallas, Texas 75207

Attn: Kalei Jennings

JKramer

Authorized for release by:
1/11/2022 11:13:29 AM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

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

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

Client: WSP USA Inc.
Project/Site: Fascinator Fee com #002H

Laboratory Job ID: 880-9833-1
SDG: 32.181455, -103.404179

Table of Contents

Definitions/Glossary

Client: WSP USA Inc. Job ID: 880-9833-1
Project/Site: Fascinator Fee com #002H SDG: 32.181455, -103.404179

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, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: WSP USA Inc. Job ID: 880-9833-1
Project/Site: Fascinator Fee com #002H SDG: 32.181455, -103.404179

Job ID: 880-9833-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-9833-1

Receipt
The samples were received on 1/4/2022 3:10 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.9°C

GC VOA
Method 8021B: 4-Bromofluorobenzene recovery for the following samples were outside the upper control limit: SS03 (880-9833-3) and (LCSD 880-16035/2-A).

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

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

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

Client Sample Results

Client: WSP USA Inc. Job ID: 880-9833-1
Project/Site: Fascinator Fee com #002H SDG: 32.181455, -103.404179

Client Sample ID: SS01 Lab Sample ID: 880-9833-1

Date Collected: 01/04/22 08:32 **Matrix: Solid**
Date Received: 01/04/22 15:10
Sample Depth: 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/05/22 07:48	01/05/22 12:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/05/22 07:48	01/05/22 12:48	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/05/22 07:48	01/05/22 12:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/05/22 07:48	01/05/22 12:48	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/05/22 07:48	01/05/22 12:48	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/05/22 07:48	01/05/22 12:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*01/05/22 07:48*	*01/05/22 12:48*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*01/05/22 07:48*	*01/05/22 12:48*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/10/22 11:51	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**243**		49.9		mg/Kg			01/10/22 12:40	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/04/22 16:39	01/05/22 17:18	1
Diesel Range Organics (Over C10-C28)	**243**		49.9		mg/Kg		01/04/22 16:39	01/05/22 17:18	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/04/22 16:39	01/05/22 17:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*01/04/22 16:39*	*01/05/22 17:18*	*1*
o-Terphenyl	*97*		*70 - 130*	*01/04/22 16:39*	*01/05/22 17:18*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**30.2**		4.95		mg/Kg			01/10/22 22:52	1

Client Sample ID: SS02 Lab Sample ID: 880-9833-2

Date Collected: 01/04/22 08:36 **Matrix: Solid**
Date Received: 01/04/22 15:10
Sample Depth: 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		01/05/22 07:48	01/05/22 13:08	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/05/22 07:48	01/05/22 13:08	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/05/22 07:48	01/05/22 13:08	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		01/05/22 07:48	01/05/22 13:08	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/05/22 07:48	01/05/22 13:08	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		01/05/22 07:48	01/05/22 13:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*01/05/22 07:48*	*01/05/22 13:08*	*1*

Client Sample Results

Client: WSP USA Inc. Job ID: 880-9833-1
Project/Site: Fascinator Fee com #002H SDG: 32.181455, -103.404179

Client Sample ID: SS02 Lab Sample ID: 880-9833-2

Date Collected: 01/04/22 08:36 **Matrix: Solid**
Date Received: 01/04/22 15:10
Sample Depth: 0.5'

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*01/05/22 07:48*	*01/05/22 13:08*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			01/10/22 11:51	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1750**		49.9	mg/Kg			01/10/22 12:40	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/04/22 16:39	01/05/22 17:38	1
Diesel Range Organics (Over C10-C28)	**1750**		49.9	mg/Kg		01/04/22 16:39	01/05/22 17:38	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/04/22 16:39	01/05/22 17:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*01/04/22 16:39*	*01/05/22 17:38*	*1*
o-Terphenyl	*117*		*70 - 130*	*01/04/22 16:39*	*01/05/22 17:38*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**935**		4.98	mg/Kg			01/10/22 23:32	1

Client Sample ID: SS03 Lab Sample ID: 880-9833-3

Date Collected: 01/04/22 08:40 **Matrix: Solid**
Date Received: 01/04/22 15:10
Sample Depth: 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/05/22 07:48	01/05/22 13:29	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/05/22 07:48	01/05/22 13:29	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/05/22 07:48	01/05/22 13:29	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		01/05/22 07:48	01/05/22 13:29	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/05/22 07:48	01/05/22 13:29	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		01/05/22 07:48	01/05/22 13:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*161*	*S1+*	*70 - 130*	*01/05/22 07:48*	*01/05/22 13:29*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*01/05/22 07:48*	*01/05/22 13:29*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			01/10/22 11:51	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**4080**		50.0	mg/Kg			01/10/22 12:40	1

Client Sample Results

Client: WSP USA Inc. Job ID: 880-9833-1
Project/Site: Fascinator Fee com #002H SDG: 32.181455, -103.404179

Client Sample ID: SS03 Lab Sample ID: 880-9833-3

Date Collected: 01/04/22 08:40 **Matrix: Solid**
Date Received: 01/04/22 15:10
Sample Depth: 0.5'

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/04/22 16:39	01/05/22 17:58	1
Diesel Range Organics (Over C10-C28)	**4080**		50.0		mg/Kg		01/04/22 16:39	01/05/22 17:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/04/22 16:39	01/05/22 17:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*01/04/22 16:39*	*01/05/22 17:58*	*1*
o-Terphenyl	*96*		*70 - 130*	*01/04/22 16:39*	*01/05/22 17:58*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17.5**		4.95		mg/Kg			01/10/22 23:41	1

Client Sample ID: SS04 Lab Sample ID: 880-9833-4

Date Collected: 01/04/22 09:15 **Matrix: Solid**
Date Received: 01/04/22 15:10
Sample Depth: 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/05/22 07:48	01/05/22 13:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/05/22 07:48	01/05/22 13:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/05/22 07:48	01/05/22 13:49	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/05/22 07:48	01/05/22 13:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/05/22 07:48	01/05/22 13:49	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/05/22 07:48	01/05/22 13:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*01/05/22 07:48*	*01/05/22 13:49*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*01/05/22 07:48*	*01/05/22 13:49*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/10/22 11:51	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**229**		50.0		mg/Kg			01/10/22 12:40	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/04/22 16:39	01/05/22 18:19	1
Diesel Range Organics (Over C10-C28)	**229**		50.0		mg/Kg		01/04/22 16:39	01/05/22 18:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/04/22 16:39	01/05/22 18:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*01/04/22 16:39*	*01/05/22 18:19*	*1*
o-Terphenyl	*91*		*70 - 130*	*01/04/22 16:39*	*01/05/22 18:19*	*1*

Client Sample Results

Client: WSP USA Inc.
Project/Site: Fascinator Fee com #002H

Job ID: 880-9833-1
SDG: 32.181455, -103.404179

Client Sample ID: SS04
Date Collected: 01/04/22 09:15
Date Received: 01/04/22 15:10
Sample Depth: 0.5'

Lab Sample ID: 880-9833-4
Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2530		25.0		mg/Kg			01/10/22 23:51	5

Surrogate Summary

Client: WSP USA Inc.
Project/Site: Fascinator Fee com #002H

Job ID: 880-9833-1
SDG: 32.181455, -103.404179

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-9832-A-1-B MS	Matrix Spike	119	117
880-9832-A-1-C MSD	Matrix Spike Duplicate	118	105
880-9833-1	SS01	121	85
880-9833-2	SS02	107	108
880-9833-3	SS03	161 S1+	115
880-9833-4	SS04	123	80
LCS 880-16035/1-A	Lab Control Sample	116	107
LCSD 880-16035/2-A	Lab Control Sample Dup	133 S1+	128
MB 880-16035/5-A	Method Blank	100	105

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)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-9793-A-1-E MS	Matrix Spike	95	82
880-9793-A-1-F MSD	Matrix Spike Duplicate	97	97
880-9833-1	SS01	102	97
880-9833-2	SS02	102	117
880-9833-3	SS03	101	96
880-9833-4	SS04	101	91

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO2	OTPH2
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
LCS 880-16017/2-A	Lab Control Sample	83	84
LCSD 880-16017/3-A	Lab Control Sample Dup	93	87
MB 880-16017/1-A	Method Blank	93	93

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: WSP USA Inc. Job ID: 880-9833-1
Project/Site: Fascinator Fee com #002H SDG: 32.181455, -103.404179

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-16035/5-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 16038 **Prep Batch: 16035**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/05/22 07:48	01/05/22 11:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/05/22 07:48	01/05/22 11:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/05/22 07:48	01/05/22 11:05	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/05/22 07:48	01/05/22 11:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/05/22 07:48	01/05/22 11:05	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/05/22 07:48	01/05/22 11:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*01/05/22 07:48*	*01/05/22 11:05*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*01/05/22 07:48*	*01/05/22 11:05*	*1*

Lab Sample ID: LCS 880-16035/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 16038 **Prep Batch: 16035**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.07126		mg/Kg		71	70 - 130		
Toluene			0.100	0.07102		mg/Kg		71	70 - 130		
Ethylbenzene			0.100	0.07381		mg/Kg		74	70 - 130		
m-Xylene & p-Xylene			0.200	0.1596		mg/Kg		80	70 - 130		
o-Xylene			0.100	0.08193		mg/Kg		82	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: LCSD 880-16035/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 16038 **Prep Batch: 16035**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.07161		mg/Kg		72	70 - 130	0	35
Toluene			0.100	0.07438		mg/Kg		74	70 - 130	5	35
Ethylbenzene			0.100	0.08415		mg/Kg		84	70 - 130	13	35
m-Xylene & p-Xylene			0.200	0.1740		mg/Kg		87	70 - 130	9	35
o-Xylene			0.100	0.08829		mg/Kg		88	70 - 130	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*128*		*70 - 130*

Lab Sample ID: 880-9832-A-1-B MS **Client Sample ID: Matrix Spike**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 16038 **Prep Batch: 16035**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00200	U F2 F1	0.100	0.07479		mg/Kg		74	70 - 130		
Toluene	<0.00200	U F2 F1	0.100	0.06185	F1	mg/Kg		61	70 - 130		

Eurofins Midland

QC Sample Results

Client: WSP USA Inc. Job ID: 880-9833-1
Project/Site: Fascinator Fee com #002H SDG: 32.181455, -103.404179

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

Lab Sample ID: 880-9832-A-1-B MS **Client Sample ID: Matrix Spike**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 16038 **Prep Batch: 16035**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00200	U F2 F1	0.100	0.04817	F1	mg/Kg		48	70 - 130
m-Xylene & p-Xylene	<0.00400	U F2 F1	0.201	0.09237	F1	mg/Kg		45	70 - 130
o-Xylene	<0.00200	U F2 F1	0.100	0.04840	F1	mg/Kg		48	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*

Lab Sample ID: 880-9832-A-1-C MSD **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 16038 **Prep Batch: 16035**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U F2 F1	0.0996	0.05117	F2 F1	mg/Kg		51	70 - 130	38	35
Toluene	<0.00200	U F2 F1	0.0996	0.04211	F2 F1	mg/Kg		42	70 - 130	38	35
Ethylbenzene	<0.00200	U F2 F1	0.0996	0.02536	F2 F1	mg/Kg		25	70 - 130	62	35
m-Xylene & p-Xylene	<0.00400	U F2 F1	0.199	0.04725	F2 F1	mg/Kg		23	70 - 130	65	35
o-Xylene	<0.00200	U F2 F1	0.0996	0.02367	F2 F1	mg/Kg		23	70 - 130	69	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

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

Lab Sample ID: MB 880-16017/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 16025 **Prep Batch: 16017**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/04/22 16:39	01/05/22 11:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/04/22 16:39	01/05/22 11:51	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/04/22 16:39	01/05/22 11:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*01/04/22 16:39*	*01/05/22 11:51*	*1*
o-Terphenyl	*93*		*70 - 130*	*01/04/22 16:39*	*01/05/22 11:51*	*1*

Lab Sample ID: LCS 880-16017/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 16025 **Prep Batch: 16017**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10			1000	870.6		mg/Kg		87	70 - 130
Diesel Range Organics (Over C10-C28)			1000	815.1		mg/Kg		82	70 - 130

QC Sample Results

Client: WSP USA Inc. Job ID: 880-9833-1
Project/Site: Fascinator Fee com #002H SDG: 32.181455, -103.404179

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

Lab Sample ID: LCS 880-16017/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 16025 **Prep Batch: 16017**

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	83		70 - 130
o-Terphenyl	84		70 - 130

Lab Sample ID: LCSD 880-16017/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 16025 **Prep Batch: 16017**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	892.4		mg/Kg		89	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	822.4		mg/Kg		82	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	87		70 - 130

Lab Sample ID: 880-9793-A-1-E MS **Client Sample ID: Matrix Spike**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 16025 **Prep Batch: 16017**

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	996	961.0		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	996	851.5		mg/Kg		85	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	95		70 - 130
o-Terphenyl	82		70 - 130

Lab Sample ID: 880-9793-A-1-F MSD **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 16025 **Prep Batch: 16017**

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	999	976.0		mg/Kg		98	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	909.7		mg/Kg		91	70 - 130	7	20

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

QC Sample Results

Client: WSP USA Inc. Job ID: 880-9833-1
Project/Site: Fascinator Fee com #002H SDG: 32.181455, -103.404179

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-16125/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 16253

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			01/10/22 21:23	1

Lab Sample ID: LCS 880-16125/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 16253

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	266.5		mg/Kg		107	90 - 110		

Lab Sample ID: LCSD 880-16125/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 16253

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	267.8		mg/Kg		107	90 - 110	1	20

Lab Sample ID: 880-9831-A-9-C MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 16253

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	1070		250	1302	4	mg/Kg		95	90 - 110		

Lab Sample ID: 880-9831-A-9-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 16253

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	1070		250	1293	4	mg/Kg		91	90 - 110	1	20

QC Association Summary

Client: WSP USA Inc. Job ID: 880-9833-1
Project/Site: Fascinator Fee com #002H SDG: 32.181455, -103.404179

GC VOA

Prep Batch: 16035

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9833-1	SS01	Total/NA	Solid	5035	
880-9833-2	SS02	Total/NA	Solid	5035	
880-9833-3	SS03	Total/NA	Solid	5035	
880-9833-4	SS04	Total/NA	Solid	5035	
MB 880-16035/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-16035/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-16035/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-9832-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-9832-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 16038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9833-1	SS01	Total/NA	Solid	8021B	16035
880-9833-2	SS02	Total/NA	Solid	8021B	16035
880-9833-3	SS03	Total/NA	Solid	8021B	16035
880-9833-4	SS04	Total/NA	Solid	8021B	16035
MB 880-16035/5-A	Method Blank	Total/NA	Solid	8021B	16035
LCS 880-16035/1-A	Lab Control Sample	Total/NA	Solid	8021B	16035
LCSD 880-16035/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	16035
880-9832-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	16035
880-9832-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	16035

Analysis Batch: 16426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9833-1	SS01	Total/NA	Solid	Total BTEX	
880-9833-2	SS02	Total/NA	Solid	Total BTEX	
880-9833-3	SS03	Total/NA	Solid	Total BTEX	
880-9833-4	SS04	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 16017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9833-1	SS01	Total/NA	Solid	8015NM Prep	
880-9833-2	SS02	Total/NA	Solid	8015NM Prep	
880-9833-3	SS03	Total/NA	Solid	8015NM Prep	
880-9833-4	SS04	Total/NA	Solid	8015NM Prep	
MB 880-16017/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-16017/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-16017/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-9793-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-9793-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 16025

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9833-1	SS01	Total/NA	Solid	8015B NM	16017
880-9833-2	SS02	Total/NA	Solid	8015B NM	16017
880-9833-3	SS03	Total/NA	Solid	8015B NM	16017
880-9833-4	SS04	Total/NA	Solid	8015B NM	16017
MB 880-16017/1-A	Method Blank	Total/NA	Solid	8015B NM	16017
LCS 880-16017/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	16017

QC Association Summary

Client: WSP USA Inc. Job ID: 880-9833-1
Project/Site: Fascinator Fee com #002H SDG: 32.181455, -103.404179

GC Semi VOA (Continued)

Analysis Batch: 16025 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-16017/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	16017
880-9793-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	16017
880-9793-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	16017

Analysis Batch: 16428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9833-1	SS01	Total/NA	Solid	8015 NM	
880-9833-2	SS02	Total/NA	Solid	8015 NM	
880-9833-3	SS03	Total/NA	Solid	8015 NM	
880-9833-4	SS04	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 16125

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9833-1	SS01	Soluble	Solid	DI Leach	
880-9833-2	SS02	Soluble	Solid	DI Leach	
880-9833-3	SS03	Soluble	Solid	DI Leach	
880-9833-4	SS04	Soluble	Solid	DI Leach	
MB 880-16125/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-16125/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-16125/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-9831-A-9-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-9831-A-9-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 16253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9833-1	SS01	Soluble	Solid	300.0	16125
880-9833-2	SS02	Soluble	Solid	300.0	16125
880-9833-3	SS03	Soluble	Solid	300.0	16125
880-9833-4	SS04	Soluble	Solid	300.0	16125
MB 880-16125/1-A	Method Blank	Soluble	Solid	300.0	16125
LCS 880-16125/2-A	Lab Control Sample	Soluble	Solid	300.0	16125
LCSD 880-16125/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	16125
880-9831-A-9-C MS	Matrix Spike	Soluble	Solid	300.0	16125
880-9831-A-9-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	16125

Lab Chronicle

Client: WSP USA Inc. Job ID: 880-9833-1
Project/Site: Fascinator Fee com #002H SDG: 32.181455, -103.404179

Client Sample ID: SS01 Lab Sample ID: 880-9833-1

Date Collected: 01/04/22 08:32 **Matrix: Solid**
Date Received: 01/04/22 15:10

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	16035	01/05/22 07:48	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	16038	01/05/22 12:48	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			16426	01/10/22 11:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			16428	01/10/22 12:40	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	16017	01/04/22 16:39	DM	XEN MID
Total/NA	Analysis	8015B NM		1			16025	01/05/22 17:18	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	16125	01/06/22 11:35	CH	XEN MID
Soluble	Analysis	300.0		1			16253	01/10/22 22:52	CH	XEN MID

Client Sample ID: SS02 Lab Sample ID: 880-9833-2

Date Collected: 01/04/22 08:36 **Matrix: Solid**
Date Received: 01/04/22 15:10

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	16035	01/05/22 07:48	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	16038	01/05/22 13:08	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			16426	01/10/22 11:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			16428	01/10/22 12:40	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	16017	01/04/22 16:39	DM	XEN MID
Total/NA	Analysis	8015B NM		1			16025	01/05/22 17:38	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	16125	01/06/22 11:35	CH	XEN MID
Soluble	Analysis	300.0		1			16253	01/10/22 23:32	CH	XEN MID

Client Sample ID: SS03 Lab Sample ID: 880-9833-3

Date Collected: 01/04/22 08:40 **Matrix: Solid**
Date Received: 01/04/22 15:10

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	16035	01/05/22 07:48	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	16038	01/05/22 13:29	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			16426	01/10/22 11:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			16428	01/10/22 12:40	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	16017	01/04/22 16:39	DM	XEN MID
Total/NA	Analysis	8015B NM		1			16025	01/05/22 17:58	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	16125	01/06/22 11:35	CH	XEN MID
Soluble	Analysis	300.0		1			16253	01/10/22 23:41	CH	XEN MID

Client Sample ID: SS04 Lab Sample ID: 880-9833-4

Date Collected: 01/04/22 09:15 **Matrix: Solid**
Date Received: 01/04/22 15:10

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	16035	01/05/22 07:48	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	16038	01/05/22 13:49	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			16426	01/10/22 11:51	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: WSP USA Inc. Job ID: 880-9833-1
Project/Site: Fascinator Fee com #002H SDG: 32.181455, -103.404179

Client Sample ID: SS04 **Lab Sample ID: 880-9833-4**
Date Collected: 01/04/22 09:15 **Matrix: Solid**
Date Received: 01/04/22 15:10

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			16428	01/10/22 12:40	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	16017	01/04/22 16:39	DM	XEN MID
Total/NA	Analysis	8015B NM		1			16025	01/05/22 18:19	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	16125	01/06/22 11:35	CH	XEN MID
Soluble	Analysis	300.0		5			16253	01/10/22 23:51	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: WSP USA Inc. Job ID: 880-9833-1
Project/Site: Fascinator Fee com #002H SDG: 32.181455, -103.404179

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	T104704400-21-22	06-30-22

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: WSP USA Inc. Job ID: 880-9833-1
Project/Site: Fascinator Fee com #002H SDG: 32.181455, -103.404179

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: WSP USA Inc.
Project/Site: Fascinator Fee com #002H

Job ID: 880-9833-1
SDG: 32.181455, -103.404179

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-9833-1	SS01	Solid	01/04/22 08:32	01/04/22 15:10	0.5'
880-9833-2	SS02	Solid	01/04/22 08:36	01/04/22 15:10	0.5'
880-9833-3	SS03	Solid	01/04/22 08:40	01/04/22 15:10	0.5'
880-9833-4	SS04	Solid	01/04/22 09:15	01/04/22 15:10	0.5'

Chain of Custody

XENCO LABORATORIES

Houston TX (281) 240-4200 Dallas TX (214) 902-0300 San Antonio TX (210) 509-3334
Midland TX (432) 704-5440 EL Paso TX (915) 585-3443 Lubbock, TX (806) 794-1296
Hobbs NM (575) 392 7550 Carlsbad NM (575) 988-3199 Phoenix, AZ (480) 355-0900
Tampa FL (813) 620-2000 Tallahassee FL (850) 756-0747 Delray Beach FL (561) 689-6701
Atlanta GA (770) 449-8800

880-9833 Chain of Custody

1/11/2022

www.xenco.com Page 1 of 1

Project Manager	Kalei Jennings	Bill to (if different)	
Company Name	WSP USA	Company Name	
Address	3300 North A St, Bldg 1, unit 222	Address.	
City, State ZIP	Midland, TX 79705	City State ZIP	
Phone	817-683-2503 Email	Kalei.Jennings@wsp.com	

Work Order Comments

Program. UST/PST ☐ PRP ☐ Brownfield ☐ RRC ☐ Superfund ☐
State of Project
Reporting Level I ☐ Level ☐ PST/US ☐ TRR ☐ Level IV ☐
Deliverables EDD ☒ ADaPT ☐ Other

Project Name	Fascinator Fee com #002H	Turn Around	
Project Number	31403720.000	Routine	☒
Project Location	32.181455, -103.404179	Rush	☐
Sampler's Name	Hadlie Green	Due Date	5 DAY TAT
PO #			

SAMPLE RECEIPT			
Temp Blank.	Yes (No)	Wet Ice	(Yes) No
Temperature (°C)	4.8/4.9	Thermometer ID	IR8
Received Intact:	(Yes) No		
Cooler Custody Seals	Yes No (N/A)	Correction Factor	.10
Sample Custody Seals	Yes No (N/A)	Total Containers	

ANALYSIS REQUEST

Preservative Codes

HNO3 HN
H2S04 H2
HCL HL
None NO
NaOH Na
MeOH Me
Zn Acetate+ NaOH Zn

TAT starts the day recevied by the lab if received by 4 30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	BTEX (EPA 8021)	TPH (EPA 8015)	CHLORIDES (EPA 300.0)	Sample Comments
SS01	SL	1-4-22	0832	0.5'	1	X	X	X	
SS02			0836						
SS03			0840						
SS04	↓	↓	0915	↓	↓	↓	↓	↓	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

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

	Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1	Hadlie Green	[illegible]	1-4-22 15:10	2		
3				4		
5				6		

Revised Date101419 Rev 2019 1

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 880-9833-1
SDG Number: 32.181455, -103.404179

Login Number: 9833
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

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ANALYTICAL REPORT

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-9834-1
Laboratory Sample Delivery Group: 32.181455, -103.404179
Client Project/Site: Fascinator Fee com #002H

For:
WSP USA Inc.
2777 N. Stemmons Freeway
Suite 1600
Dallas, Texas 75207

Attn: Kalei Jennings

JKramer

Authorized for release by:
1/11/2022 11:13:44 AM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

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

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

Client: WSP USA Inc.
Project/Site: Fascinator Fee com #002H

Laboratory Job ID: 880-9834-1
SDG: 32.181455, -103.404179

Table of Contents

Definitions/Glossary

Client: WSP USA Inc. Job ID: 880-9834-1
Project/Site: Fascinator Fee com #002H SDG: 32.181455, -103.404179

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, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: WSP USA Inc. Job ID: 880-9834-1
Project/Site: Fascinator Fee com #002H SDG: 32.181455, -103.404179

Job ID: 880-9834-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-9834-1

Receipt
The samples were received on 1/4/2022 3:10 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.9°C

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-16036 and analytical batch 880-16037 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

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

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

Client Sample Results

Client: WSP USA Inc. Job ID: 880-9834-1
Project/Site: Fascinator Fee com #002H SDG: 32.181455, -103.404179

Client Sample ID: SS05 Lab Sample ID: 880-9834-1

Date Collected: 01/04/22 09:17 **Matrix: Solid**
Date Received: 01/04/22 15:10
Sample Depth: 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F2 F1	0.00200		mg/Kg		01/05/22 07:51	01/05/22 12:20	1
Toluene	<0.00200	U F2 F1	0.00200		mg/Kg		01/05/22 07:51	01/05/22 12:20	1
Ethylbenzene	<0.00200	U F1	0.00200		mg/Kg		01/05/22 07:51	01/05/22 12:20	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/05/22 07:51	01/05/22 12:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/05/22 07:51	01/05/22 12:20	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/05/22 07:51	01/05/22 12:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*01/05/22 07:51*	*01/05/22 12:20*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*01/05/22 07:51*	*01/05/22 12:20*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/06/22 14:50	1

Method: 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			01/10/22 12:59	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/04/22 16:39	01/05/22 18:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/04/22 16:39	01/05/22 18:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/04/22 16:39	01/05/22 18:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*01/04/22 16:39*	*01/05/22 18:39*	*1*
o-Terphenyl	*92*		*70 - 130*	*01/04/22 16:39*	*01/05/22 18:39*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.84**		4.99		mg/Kg			01/11/22 00:01	1

Client Sample ID: SS06 Lab Sample ID: 880-9834-2

Date Collected: 01/04/22 09:22 **Matrix: Solid**
Date Received: 01/04/22 15:10
Sample Depth: 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/05/22 07:51	01/05/22 13:19	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/05/22 07:51	01/05/22 13:19	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/05/22 07:51	01/05/22 13:19	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/05/22 07:51	01/05/22 13:19	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/05/22 07:51	01/05/22 13:19	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/05/22 07:51	01/05/22 13:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*01/05/22 07:51*	*01/05/22 13:19*	*1*

Eurofins Midland

Client Sample Results

Client: WSP USA Inc.
Project/Site: Fascinator Fee com #002H

Job ID: 880-9834-1
SDG: 32.181455, -103.404179

Client Sample ID: SS06
Date Collected: 01/04/22 09:22
Date Received: 01/04/22 15:10
Sample Depth: 0.5'

Lab Sample ID: 880-9834-2
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*01/05/22 07:51*	*01/05/22 13:19*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/06/22 14:50	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/10/22 12:59	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/04/22 16:39	01/05/22 18:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/04/22 16:39	01/05/22 18:59	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/04/22 16:39	01/05/22 18:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*01/04/22 16:39*	*01/05/22 18:59*	*1*
o-Terphenyl	*102*		*70 - 130*	*01/04/22 16:39*	*01/05/22 18:59*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**140**	**F1**	5.00		mg/Kg			01/11/22 00:11	1

Surrogate Summary

Client: WSP USA Inc. Job ID: 880-9834-1
Project/Site: Fascinator Fee com #002H SDG: 32.181455, -103.404179

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-9834-1	SS05	110	107
880-9834-1 MS	SS05	123	106
880-9834-1 MSD	SS05	147 S1+	98
880-9834-2	SS06	107	88
LCS 880-16036/1-A	Lab Control Sample	124	114
LCSD 880-16036/2-A	Lab Control Sample Dup	117	110
MB 880-16036/5-A	Method Blank	125	107

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)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-9793-A-1-E MS	Matrix Spike	95	82
880-9793-A-1-F MSD	Matrix Spike Duplicate	97	97
880-9834-1	SS05	103	92
880-9834-2	SS06	106	102

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO2	OTPH2
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
LCS 880-16017/2-A	Lab Control Sample	83	84
LCSD 880-16017/3-A	Lab Control Sample Dup	93	87
MB 880-16017/1-A	Method Blank	93	93

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: WSP USA Inc. Job ID: 880-9834-1
Project/Site: Fascinator Fee com #002H SDG: 32.181455, -103.404179

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-16036/5-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 16037 **Prep Batch: 16036**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/05/22 07:51	01/05/22 11:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/05/22 07:51	01/05/22 11:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/05/22 07:51	01/05/22 11:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/05/22 07:51	01/05/22 11:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/05/22 07:51	01/05/22 11:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/05/22 07:51	01/05/22 11:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*01/05/22 07:51*	*01/05/22 11:51*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*01/05/22 07:51*	*01/05/22 11:51*	*1*

Lab Sample ID: LCS 880-16036/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 16037 **Prep Batch: 16036**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.07329		mg/Kg		73	70 - 130		
Toluene			0.100	0.08331		mg/Kg		83	70 - 130		
Ethylbenzene			0.100	0.09773		mg/Kg		98	70 - 130		
m-Xylene & p-Xylene			0.200	0.1798		mg/Kg		90	70 - 130		
o-Xylene			0.100	0.08924		mg/Kg		89	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*

Lab Sample ID: LCSD 880-16036/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 16037 **Prep Batch: 16036**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.07378		mg/Kg		74	70 - 130	1	35
Toluene			0.100	0.07754		mg/Kg		78	70 - 130	7	35
Ethylbenzene			0.100	0.09040		mg/Kg		90	70 - 130	8	35
m-Xylene & p-Xylene			0.200	0.1716		mg/Kg		86	70 - 130	5	35
o-Xylene			0.100	0.09083		mg/Kg		91	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*

Lab Sample ID: 880-9834-1 MS **Client Sample ID: SS05**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 16037 **Prep Batch: 16036**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00200	U F2 F1	0.100	0.07835		mg/Kg		78	70 - 130		
Toluene	<0.00200	U F2 F1	0.100	0.06934	F1	mg/Kg		69	70 - 130		

QC Sample Results

Client: WSP USA Inc. Job ID: 880-9834-1
Project/Site: Fascinator Fee com #002H SDG: 32.181455, -103.404179

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

Lab Sample ID: 880-9834-1 MS **Client Sample ID: SS05**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 16037 **Prep Batch: 16036**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00200	U F1	0.100	0.08013		mg/Kg		80	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.201	0.1547		mg/Kg		77	70 - 130
o-Xylene	<0.00200	U	0.100	0.07400		mg/Kg		74	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: 880-9834-1 MSD **Client Sample ID: SS05**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 16037 **Prep Batch: 16036**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U F2 F1	0.100	0.03918	F2 F1	mg/Kg		39	70 - 130	67	35
Toluene	<0.00200	U F2 F1	0.100	0.02227	F2 F1	mg/Kg		22	70 - 130	103	35
Ethylbenzene	<0.00200	U F1	0.100	0.06417	F1	mg/Kg		64	70 - 130	22	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1585		mg/Kg		79	70 - 130	2	35
o-Xylene	<0.00200	U	0.100	0.1002		mg/Kg		100	70 - 130	30	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*147*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

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

Lab Sample ID: MB 880-16017/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 16025 **Prep Batch: 16017**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/04/22 16:39	01/05/22 11:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/04/22 16:39	01/05/22 11:51	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/04/22 16:39	01/05/22 11:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*01/04/22 16:39*	*01/05/22 11:51*	*1*
o-Terphenyl	*93*		*70 - 130*	*01/04/22 16:39*	*01/05/22 11:51*	*1*

Lab Sample ID: LCS 880-16017/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 16025 **Prep Batch: 16017**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10			1000	870.6		mg/Kg		87	70 - 130
Diesel Range Organics (Over C10-C28)			1000	815.1		mg/Kg		82	70 - 130

QC Sample Results

Client: WSP USA Inc. Job ID: 880-9834-1
Project/Site: Fascinator Fee com #002H SDG: 32.181455, -103.404179

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

Lab Sample ID: LCS 880-16017/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 16025 **Prep Batch: 16017**

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	83		70 - 130
o-Terphenyl	84		70 - 130

Lab Sample ID: LCSD 880-16017/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 16025 **Prep Batch: 16017**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	892.4		mg/Kg		89	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	822.4		mg/Kg		82	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	87		70 - 130

Lab Sample ID: 880-9793-A-1-E MS **Client Sample ID: Matrix Spike**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 16025 **Prep Batch: 16017**

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	996	961.0		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	996	851.5		mg/Kg		85	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	95		70 - 130
o-Terphenyl	82		70 - 130

Lab Sample ID: 880-9793-A-1-F MSD **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 16025 **Prep Batch: 16017**

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	999	976.0		mg/Kg		98	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	909.7		mg/Kg		91	70 - 130	7	20

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

QC Sample Results

Client: WSP USA Inc. Job ID: 880-9834-1
Project/Site: Fascinator Fee com #002H SDG: 32.181455, -103.404179

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-16125/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 16253

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			01/10/22 21:23	1

Lab Sample ID: LCS 880-16125/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 16253

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	266.5		mg/Kg		107	90 - 110		

Lab Sample ID: LCSD 880-16125/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 16253

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	267.8		mg/Kg		107	90 - 110	1	20

Lab Sample ID: 880-9834-2 MS **Client Sample ID: SS06**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 16253

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	140	F1	250	419.6	F1	mg/Kg		112	90 - 110		

Lab Sample ID: 880-9834-2 MSD **Client Sample ID: SS06**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 16253

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	140	F1	250	416.5	F1	mg/Kg		111	90 - 110	1	20

QC Association Summary

Client: WSP USA Inc. Job ID: 880-9834-1
Project/Site: Fascinator Fee com #002H SDG: 32.181455, -103.404179

GC VOA

Prep Batch: 16036

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9834-1	SS05	Total/NA	Solid	5035	
880-9834-2	SS06	Total/NA	Solid	5035	
MB 880-16036/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-16036/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-16036/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-9834-1 MS	SS05	Total/NA	Solid	5035	
880-9834-1 MSD	SS05	Total/NA	Solid	5035	

Analysis Batch: 16037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9834-1	SS05	Total/NA	Solid	8021B	16036
880-9834-2	SS06	Total/NA	Solid	8021B	16036
MB 880-16036/5-A	Method Blank	Total/NA	Solid	8021B	16036
LCS 880-16036/1-A	Lab Control Sample	Total/NA	Solid	8021B	16036
LCSD 880-16036/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	16036
880-9834-1 MS	SS05	Total/NA	Solid	8021B	16036
880-9834-1 MSD	SS05	Total/NA	Solid	8021B	16036

Analysis Batch: 16166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9834-1	SS05	Total/NA	Solid	Total BTEX	
880-9834-2	SS06	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 16017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9834-1	SS05	Total/NA	Solid	8015NM Prep	
880-9834-2	SS06	Total/NA	Solid	8015NM Prep	
MB 880-16017/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-16017/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-16017/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-9793-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-9793-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 16025

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9834-1	SS05	Total/NA	Solid	8015B NM	16017
880-9834-2	SS06	Total/NA	Solid	8015B NM	16017
MB 880-16017/1-A	Method Blank	Total/NA	Solid	8015B NM	16017
LCS 880-16017/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	16017
LCSD 880-16017/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	16017
880-9793-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	16017
880-9793-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	16017

Analysis Batch: 16428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9834-1	SS05	Total/NA	Solid	8015 NM	
880-9834-2	SS06	Total/NA	Solid	8015 NM	

QC Association Summary

Client: WSP USA Inc. Job ID: 880-9834-1
Project/Site: Fascinator Fee com #002H SDG: 32.181455, -103.404179

HPLC/IC

Leach Batch: 16125

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9834-1	SS05	Soluble	Solid	DI Leach	
880-9834-2	SS06	Soluble	Solid	DI Leach	
MB 880-16125/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-16125/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-16125/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-9834-2 MS	SS06	Soluble	Solid	DI Leach	
880-9834-2 MSD	SS06	Soluble	Solid	DI Leach	

Analysis Batch: 16253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9834-1	SS05	Soluble	Solid	300.0	16125
880-9834-2	SS06	Soluble	Solid	300.0	16125
MB 880-16125/1-A	Method Blank	Soluble	Solid	300.0	16125
LCS 880-16125/2-A	Lab Control Sample	Soluble	Solid	300.0	16125
LCSD 880-16125/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	16125
880-9834-2 MS	SS06	Soluble	Solid	300.0	16125
880-9834-2 MSD	SS06	Soluble	Solid	300.0	16125

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Fascinator Fee com #002H

Job ID: 880-9834-1
SDG: 32.181455, -103.404179

Client Sample ID: SS05

Lab Sample ID: 880-9834-1
Matrix: Solid
Date Collected: 01/04/22 09:17
Date Received: 01/04/22 15:10

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	16036	01/05/22 07:51	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	16037	01/05/22 12:20	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			16166	01/06/22 14:50	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			16428	01/10/22 12:59	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	16017	01/04/22 16:39	DM	XEN MID
Total/NA	Analysis	8015B NM		1			16025	01/05/22 18:39	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	16125	01/06/22 11:35	CH	XEN MID
Soluble	Analysis	300.0		1			16253	01/11/22 00:01	CH	XEN MID

Client Sample ID: SS06

Lab Sample ID: 880-9834-2
Matrix: Solid
Date Collected: 01/04/22 09:22
Date Received: 01/04/22 15:10

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	16036	01/05/22 07:51	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	16037	01/05/22 13:19	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			16166	01/06/22 14:50	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			16428	01/10/22 12:59	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	16017	01/04/22 16:39	DM	XEN MID
Total/NA	Analysis	8015B NM		1			16025	01/05/22 18:59	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	16125	01/06/22 11:35	CH	XEN MID
Soluble	Analysis	300.0		1			16253	01/11/22 00:11	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: WSP USA Inc. Job ID: 880-9834-1
Project/Site: Fascinator Fee com #002H SDG: 32.181455, -103.404179

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	T104704400-21-22	06-30-22

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: WSP USA Inc. Job ID: 880-9834-1
Project/Site: Fascinator Fee com #002H SDG: 32.181455, -103.404179

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: WSP USA Inc.
Project/Site: Fascinator Fee com #002H

Job ID: 880-9834-1
SDG: 32.181455, -103.404179

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-9834-1	SS05	Solid	01/04/22 09:17	01/04/22 15:10	0.5'
880-9834-2	SS06	Solid	01/04/22 09:22	01/04/22 15:10	0.5'

Chain of Custody

XENCO LABORATORIES

Houston TX (281) 240-4200 Dallas TX (214) 902-0300 San Antonio TX (210) 509-3334
Midland TX (432) 704-5440 EL Paso TX (915) 585-3443 Lubbock, TX (806) 794-1296
Hobbs NM (575) 392 7550 Carlsbad NM (575) 988-3199 Phoenix, AZ (480) 355-0900
Tampa FL (813) 620-2000 Tallahassee FL (850) 756-0747 Delray Beach FL (561) 689-6701
Atlanta GA (770) 449-8800

880-9834 Chain of Custody

1/11/2022

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Project Manager	Kalei Jennings	Bill to (if different)	
Company Name	WSP USA	Company Name	
Address	3300 North A St, Bldg 1, Unit 222	Address	
City State ZIP	Midland, TX 79705	City State ZIP	
Phone	817-693-2503	Email	Kalei.Jennings@wsp.com

Work Order Comments

Program UST/PST ☐ PRP ☐ Brownfield ☐ RRC ☐ Superfund ☐
State of Project
Reporting Level I ☐ Level ☐ PST/US ☐ TRP ☐ Level IV ☐
Deliverables EDD ☒ ADaPT ☐ Other

Project Name	Fasinator Fee Com # 002H	Turn Around	
Project Number	31403720.000	Routine	☒
Project Location	32.191455, -103.404179	Rush	☐
Sampler's Name	Hadlie Green	Due Date	5 DAY TAT
PO #			

SAMPLE RECEIPT			
Temp Blank	Yes (No)	Wet Ice	(Yes) No
Temperature (°C)	4.8/4.9	Thermometer ID	IR8
Received Intact	(Yes) No		
Cooler Custody Seals	Yes No (N/A)	Correction Factor	.10
Sample Custody Seals	Yes No (N/A)	Total Containers	

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	BTEX (EPA 8021)	TPH (EPA 8015)	CHLORIDES (EPA 300.0)
SS05	SL	1-4-22	0917	0.5'	1	X	X	X
SS06	SL	1-4-22	0922	0.5'	1	X	X	X

Preservative Codes

HNO3 HN
H2S04 H2
HCL HL
None NO
NaOH Na
MeOH Me
Zn Acetate+ NaOH Zn

TAT starts the day recevied by the lab if received by 4 30pm

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

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

Notice Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. 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 Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to 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 Hadlie Green	Lucia RC	1-4-22 15:10	2		
3			4		
5			6		

Revised Date101419 Rev 2019 1

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 880-9834-1
SDG Number: 32.181455, -103.404179

Login Number: 9834
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

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APPENDIX E

NMOCD Notifications

From: Beauvais, Charles R
To: Kalei Jennings
Subject: FW: Extension Request- Fascinator Fee Com 002H (Incident Number NAPP2201131030)
Date: Friday, June 17, 2022 12:23:55 PM
Attachments: image001.png

[**EXTERNAL EMAIL**]

FYI

From: Beauvais, Charles R
Sent: Friday, June 17, 2022 11:23 AM
To: ocd.enviro@state.nm.us; EMNRD-OCD-District1spills <EMNRD-OCD-District1spills@state.nm.us>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; CFO_Spill, BLM_NM <BLM_NM_CFO_Spill@blm.gov>
Cc: Fejervary Morena, Gustavo A <G.Fejervary@conocophillips.com>; Esparza, Brittany <Brittany.Esparza@conocophillips.com>
Subject: Extension Request- Fascinator Fee Com 002H (Incident Number NAPP2201131030)

To Whom It May Concern,

COP is requesting an extension of the current June 27, 2022 deadline for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC for the Fascinator Fee Com 002H (Incident Number NAPP2201131030). The release was discovered on December 27, 2021 initial assessment activities are complete. Excavation activities were completed last week and are pending laboratory analytical results. In order to review the laboratory analytical results and discuss remedial options on installing a depth to water boring to confirm the closure criteria, COP requests a 90-day extension for the deadline until September 25, 2022.

Respectfully,

Charles R. Beauvais II
Senior Environmental Engineer | Environmental Operations | **ConocoPhillips**
(M) 575-988-2043
Charles.R.Beauvais@conocophillips.com

Our work is never so urgent or important that we cannot take the time to do it safely and in an environmentally responsible manner.

From: Kalei Jennings
To: ocd.enviro@state.nm.us
Subject: Sampling Notification (Week of 06/06/22-06/10/22)
Date: Thursday, June 2, 2022 9:55:00 AM
Attachments: image001.png
image002.png
image003.png
image004.png

All,

COP plans to complete final sampling activities at the following sites the week of June 6, 2022.

Monday

Tuesday

- Fascinator Fee Com #002H / NAPP2201131030

Wednesday

- Fascinator Fee Com #002H / NAPP2201131030

Thursday

Friday

Thank you,

Kalei Jennings
Senior Scientist
817-683-2503
Ensolum, LLC

ENSOLUM

APPENDIX F

Final C-141

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	NAPP2201131030
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

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

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

Unit Letter	Section	Township	Range	County

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☐ Private (*Name:* _____)

Nature and Volume of Release

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

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

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2201131030
District RP	
Facility ID	
Application ID	

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

Initial Response

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

- ☐ The source of the release has been stopped.
- ☐ The impacted area has been secured to protect human health and the environment.
- ☐ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- ☐ All free liquids and recoverable materials have been removed and managed appropriately.

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

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

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Ramona Marcus Date: 1/12/2022

L48 Spill Volume Estimate Form

NAPP2201131030

	ator Fee Com 2H
Asset Area:	Deleeware Basin East
Release Discovery Date & Time:	12/27/2021 20:30
Release Type:	Oil
Provide any known details about the event:	Flare fire

Spill Calculation - On Pad Surface Pool Spill

gular shape ries of gles	Length (ft.)	Width (ft.)	Deepest point in each of the areas (in.)	No. of boundaries of "shore" in each area	Estimated *Pool* Area (sq. ft.)	Estimated Average Depth (ft.)	Estimated volume of each pool area (bbl.)	Penetration allowance (ft.)	Total Estimated Volume of Spill (bbl.)
gle A	115.8	30.8	0.10	4	3565.100	0.002	1.322	0.000	1.322
gle B					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
gle C					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
gle D					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
gle E					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
gle F					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
gle G					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
gle H					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
ngle I					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
ngle					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
								Total Volume Release:	1.322

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2201131030
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2201131030
District RP	
Facility ID	
Application ID	

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

Printed Name: ___Charles Beauvais_____ Title: __Senior Environmental Engineer_____

Signature:___Charles R. Beauvais II_____ Date: __6/27/2022_____

email: __Charles.R.Beauvais@conocophillips.com_____ Telephone: ___575-988-2043_____

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2201131030
District RP	
Facility ID	
Application ID	

Closure

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

Closure Report Attachment Checklist: ***Each of the following items must be included in the closure report.***

☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: ___Charles Beauvais_____ Title: _Senior Environmental Engineer_____

Signature: ___Charles R. Beauvais II_____ Date: ____06/27/2022_____

email: __Charles.R.Beauvais@conocophillips.com_____ Telephone: __575-988-2043_____

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Jennifer Nobui Date: 07/06/2022

Printed Name: Jennifer Nobui Title: Environmental Specialist A

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 120244

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 120244
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved. Please note the depth to groundwater has not been adequately determined. When nearby wells are used to determine depth to groundwater, the wells should be no further than ½ mile away from the site, and data should be no more than 25 years old. However, since the site was delineated and remediated to the most stringent NMOCD criteria, closure can be granted.	7/6/2022