Council Study Session Agenda

ASHLAND CITY COUNCIL
STUDY SESSION AGENDA
Monday, July 31, 2023
Council Chambers, 1175 E Main Street

View on Channel 9 or Channels 180 and 181 (Charter Communications)
or live stream via rvtv.sou.edu select RVTV Prime.

HELD HYBRID (In-Person or Zoom Meeting Access)

Public testimony will be accepted for both general public forum items and agenda items. **Please complete the online Public Testimony Form, for WRITTEN and ELECTRONIC testimony only.** Indicate on the Public Testimony Form if you wish to provide WRITTEN testimony, or if you wish to speak ELECTRONICALLY during the meeting.

Please submit your testimony no later than 10:00 a.m. the day of the meeting.

5:30 p.m. City Council Study Session

1. **Public Input (up to 15 minutes)**
2. **DEQ Croman Mill Redevelopment Update**
3. **Enterprise Funds Ending Balance Report**
4. **Adjournment of Study Session**

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the City Manager's office at 541.488.6002 (TTY phone number 1.800.735.2900). Notification 72 hours prior to the meeting will enable the City to make reasonable arrangements to ensure accessibility to the meeting (28 CFR 35.102-35.104 ADA Title I).

Better Together

Council Study Session

July 31, 2023

Agenda Item	Croman Mill Sampling Results Update	
From	Brandon Goldman, AICP Derek Severson	Community Development Director Planning Manager
Contact	Brandon.goldman@ashland.or.us 541-552-2076 Derek.severson@ashland.or.us	
Item Type	Requested by Council ☒ Update ☒ Request for Direction ☐ Presentation ☒	

SUMMARY

On-site sampling at the Croman Mill site was conducted on May 2, 2023, by the property owners' environmental consultants. The Oregon Department of Environmental Quality (DEQ) was on hand to oversee that sampling work and to answer questions from interested citizens, staff, and Council members. At that time, in response to City requests, DEQ representatives said they would make themselves available for the July 31, 2023, Council study session to discuss preliminary results and next steps.

POLICIES, PLANS & GOALS SUPPORTED

The Croman Mill District (CMD): CMD currently includes five zones, Compatible Industrial (CM-CI), Mixed Use (CM-MU), Neighborhood Center (CM-NC), Office Employment (CM-OE), and Open Space/Conservation (CM-OS) and is regulated as a special district within Ashland's Land Use Ordinance (chapter 18.3.2). Townmakers LLC has expressed interest in acquiring the property for redevelopment, and the city is currently analyzing the property's potential for designation as a Climate Friendly Area (CFA) under the state's new Climate Friendly and Equitable Communities (CFEC) rules. Cleanup of the property is the necessary first step for any sort of redevelopment to move forward.

BACKGROUND AND ADDITIONAL INFORMATION

The Oregon Department of Environmental Quality (DEQ) serves as the regulatory agency responsible for overseeing the voluntary cleanup of the former Croman Mill site. It is important to note that the City of Ashland does not possess review or approval authority over the cleanup plan. In response to the significant public interest in the site and project, DEQ has furnished this update at the City's request, demonstrating their commitment to transparency and accountability in addressing the environmental concerns related to the site.

Testing supervised by the Oregon Department of Environmental Quality (DEQ) on the week of May 5th at the former Croman Mill site revealed the presence of diesel and oil-range hydrocarbons in groundwater and pondwater, exceeding safe drinking water limits. Some shallow soils contained dioxins and furans above acceptable levels, while other soil detections were generally within permissible limits, with a few exceptions. In communications with Planning staff, Anthony B. Chavez, RG, the Project Manager/Geologist for Western Region Environmental Cleanup & Emergency Response with the Oregon DEQ, provided the following initial summary of the results:

- Diesel and oil-range hydrocarbons were present in groundwater and pondwater exceeding DEQ's residential drinking water threshold of 100 parts per billion (ppb). The highest detection was 1,100 ppb from the pond. Groundwater had up to 720ppb oil. Other tested compounds in groundwater and pondwater were found below DEQ risk thresholds. Generally, this type of groundwater contamination is not considered "risky" when municipal supplies are available for consumption. The pond may need to be evaluated for potential ecological concerns.
- Dioxins and furans were found in shallow soils (0-6 inches) at a few locations above DEQ risk levels. The highest concentration was found at the south wood burner, location DU03 at 152.5 parts per trillion (ppt). Expected screening levels for dioxin in shallow soil will be future residential (4.7ppt), urban residential (12ppt), occupational workers(16ppt), construction workers (170ppt), and excavation workers (4,800ppt). For the planned mixed-use development, the dioxin needs to meet the residential standards. This can be done either by direct removal and sampling confirmation or by covering with clean fill and maintaining a minimum 3-foot layer thickness.
- Except for oil and benzo(a)pyrene detections (2,200 parts per million [ppm] and 160ppm respectively) from shallow soil at the maintenance shop at DU06, remaining soil detections are below DEQ thresholds. DEQ's residential thresholds for oil and benzo(a)pyrene are 1,100ppm and 0.11ppm, respectively.

To address the identified contamination, SCS Engineers, Environmental Consultants and Contractors, will develop a work plan for DEQ's approval. This plan will include targeted soil removal, confirmation soil sampling, and additional shallow soil sampling to assess potential offsite contaminant migration. Moreover, surrounding areas of the planned excavation will undergo further sampling to determine the extent of the contamination.

FISCAL IMPACTS

At this stage, fiscal impacts associated with site cleanup for the city are largely limited to the city staff time involved in continuing to work with the property owners, potential developers, neighbors and the DEQ.

DISCUSSION QUESTIONS

DEQ representatives will be available for this Council study session to address questions the Council may have regarding the test results and next steps including developing a cleanup workplan under DEQ's voluntary cleanup program. Some potential questions include:

- **Do these preliminary results necessitate rescinding, suspending, or amending the existing grading permit that has allowed the property owners to remove stockpiled materials from the site in preparation for redevelopment?** The property owners have indicated to DEQ that no materials, except for some asphalt and solid waste, have left the site for several months, and that they will provide notice to the city prior to any other materials, such as wood waste, going off-site.
- **Given the preliminary results and the site's history of frequent trespassing complaints, do current site fencing and signage provide adequate protection from "trespasser risk"?** In staff's

assessment, existing security measures are insufficient to prevent access by dogwalkers and campers who frequently enter the property without permission.

Some questions asked by staff and answered by DEQ are included as Attachment #3.

REFERENCES & ATTACHMENTS

Attachment #1: Preliminary Report of Test Results from SCS Engineers
Attachment #2: Sampling Map (Figure 4-1)
Attachment #3: Staff Questions/DEQ Responses

June 19, 2023
File No. 04222021.00

MEMORANDUM

TO: Anthony Chavez, RG, Oregon Department of Environmental Quality

FROM: Barbara E. Lary, RG, SCS Engineers
Shane D Latimer, PhD, SCS Engineers

SUBJECT: Croman Mill Site, Ashland, Oregon – ECSI #535 Site Investigation Data

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On behalf of the Dwain and Bud, LLC, SCS Engineers is forwarding analytical data from the site investigation conducted during the week of May 5, 2023 at the former Croman Mill Site at 146 Mistletoe Road in Ashland, Oregon (Figure 1), per the DEQ-approved Work Plan[1]. Results are summarized in attached Tables 1 (water) and 2 (soil). Laboratory reports are included as Attachment 2. Preliminary results are compared to the Oregon Department of Environmental Quality (DEQ) Risk Based Concentrations as published in tables dated May 2018, amended June 2023.

GROUNDWATER AND SURFACE WATER SAMPLES

Of the seven borings completed on the subject property, two encountered groundwater, which was sampled and analyzed (B02 and B03). Two surface water samples collected from the pond were also analyzed. Results from all four samples are summarized in Table 1 and are compared to residential and occupational ingestion and inhalation from Tap Water. Only petroleum hydrocarbons in the diesel and motor oil range had concentrations that exceed listed screening values in all four samples.

SOIL AND SEDIMENT SAMPLES

Soil samples were collected from borings B02 and B03, where groundwater was collected, at a depth just above the water table. The depth in feet below ground surface is indicated in the sample name. In addition, incremental sampling methodology (ISM) was used to collect soil samples from decision units (DUs) defined in the Work Plan. Results are listed in Table 2, along with the Risk-Based Concentrations (RBCs) for residential, occupational, and excavation worker. Soil concentrations that exceed residential RBCs (the most conservative of the three) include petroleum hydrocarbons in heavy oil range collected on the north side of the maintenance shop and

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[1] SCS, 2023. Revised Site Investigation Work Plan, Croman Mill Property, 146 Mistletoe Road, Ashland, Oregon, Oregon DEQ ECSI No. 535, February 25.

benzo(a)pyrene collected from the east side of the maintenance shop. Concentrations for both samples are below RBCs for occupational and excavation worker.

DIOXIN AND FURAN RESULTS

Dioxins and furans were encountered in DU01, DU02, DU03 and DU05. Laboratory results are reported as concentrations for individual dioxin and furan congeners. SCS used the EPA Basic KM TEQ and ISM UCL Calculator (which uses the 2005 World Health Organization TEFs) to calculate TCDD Toxicity equivalence (TEQ) for each ISM sample to facilitate comparison with the DEQ RBC for 2,3,7,8-TCDD (dioxin) equivalent. Non-detect values (U-flag) were replaced with the method reporting limit values and estimated (J-flag) values are used, as estimated, for the calculations.

Resulting TEQs are compared to the DEQ TCDD equivalent RBC of 0.0000047 mg/Kg (4.7 pg/g). The preliminary summary table lists TEQs for samples analyzed, which include the former dip tank site, both former wood burner sites, and sediments from the pond. Since triplicates were collected at DUs including the dip tank area (DU01) and wood burner area (DU03), the three resulting TEQs are then used to calculate a 95% upper confidence interval (UCL) and an average for the three values.

Dioxin TEQ results are highest for the wood burner samples, with values approximately two orders of magnitude above the DEQ RBC for residential receptors. The dip tank TEQ was one order of magnitude above the RBC. TEQs for pond samples are estimated values, which is the case when there is a large fraction of non-detects (73%) in the sum. Based on these results, it appears that the soils from the area of the former wood burners and dip tank are impacted with dioxins/furans above the level of residential and occupational receptors, although below the RBC for an excavation worker.

INTERIM REMEDIAL OPTIONS

Sample areas were selected based on knowledge of site operations and historical aerial photographs with mill buildings and visible equipment. Lateral extent of sample areas was selected to be slightly larger than the estimated operational area for each DU to help ensure the entire potentially impacted area was included in the sample. However, since just the top six inches of soil was sampled, the vertical extent of impacts has not been thoroughly delineated.

SCS is assisting stakeholders in determining potential disposal options for impacted soils. Given the potential proposed mix of residential, commercial, and/or light industrial uses of the site, as well as heightened community interest, removal of impacted soils to an approved land disposal location is currently the favored alternative.

The most contaminated samples have a 95%UCL concentration of 0.0002678 mg/Kg TEQ TCDD and may qualify for land disposal since it is less than the as-generated waste treatment standard for TCDDs of 0.001 mg/Kg[2]. These soils may also qualify for a DEQ "No Longer Contained-In Determination" since concentrations are so low. Additional soil sampling and analytical testing will be required to delineate and further characterize impacts.

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[2] USEPA, 2011. Fact Sheet on the Management of Dioxin Contaminated Soils, May 9.

Attachment 1 – Summary Tables of Preliminary Data - Groundwater and Soil

Attachment 2 – Laboratory Reports

Attachment 1

Summary Tables of Preliminary Data

Table 1. Preliminary Summary of Groundwater and Surface Water Analytical Results
Croman Site, Ashland, OR

Sample ID	B02-15GW	B03-19GW	DU05-SU05-230505-Pond01	DU05-SU05-230505-Pond02	DEQ RBC Screening Levels	DEQ RBC Screening Levels	DEQ Chronic Screening Values	DEQ Chronic Screening Values
Area of the Site	GW from temporary boring near pump	GW from boring north of former USTs	Pond Water	Pond Water	Residential (DS)	Occupational (DS)	Residential (WI)	Commercial (WI)
NWTPH- Gx, Dx (µg/L)								
gasoline	50U	50U	50U	50U	110	450	120	520
Diesel	**230**	**250**	**590**	**600**	100	430	400	1700
Motor Oil	**420**	**720**	**1100**	**1100**	100	430	400	1700
RCRA 8 Metals (dissolved) (µg/L)								
Silver			10 U	10 U	100	820	NV	NV
arsenic			15 U	15 U	0.052	0.31	NV	NV
Barium			57	40	4000	33000	NV	NV
Cadmium			0.29 J	0.19 J	20	160	NV	NV
Chromium			1.8 J	1.1 J	---	---	NV	NV
Lead	9.0 U	9.0 U	9.0 U	9.0 U	15	15	NV	NV
Selenium			20 U	20 U	---	---	NV	NV
PAHs (µg/L)								
2-Methylnaphthalene	0.065 J	0.03 J	0.1 U	0.11 U	---	---	NITI	NITI
Acenaphthene	0.081 J	0.032 J	0.0089 J B	0.11 U	510	2500	NITI	NITI
Acenaphthylene	0.094 U	0.017 J	0.0061 J B	0.11 U	---	---	---	---
Benzo[a]anthracene	0.094 U	0.098 J	0.033 J B	0.11 U	0.03	0.38	190	2300
Benzo[a]pyrene	0.094 U	0.09 J	0.1 U	0.11 U	0.025	0.47	NV	NV
Benzo[b]fluoranthene	0.094 U	0.1	0.1 U	0.11 U	0.25	>S	NV	NV
Benzo[g,h,i]perylene	0.094 U	0.1	0.1 U	0.11 U	---	---	---	---
Benzo[k]fluoranthene	0.094 U	0.096 J	0.025 J B	0.11 U	>S	>S	NV	NV
Chrysene	0.094 U	0.1	0.1 U	0.11 U	>S	>S	NV	NV
Dibenz(a,h)anthracene	0.094 U	0.094 J	0.1 U	0.11 U	0.025	0.47	NV	NV
Fluoranthene	0.094 U	0.096 J	0.1 U	0.11 U	>S	>S	NITI, NV	NITI, NV
Fluorene	0.094	0.034 J	0.1 U	0.11 U	280	1300	NITI	NITI
Indeno[1,2,3-cd]pyrene	0.094 U	0.097 J	0.1 U	0.11 U	>S	>S	NV	NV
Naphthalene	0.049 J	0.1 U	0.1 U	0.11 U	0.17	0.72	11	50
Phenanthrene	0.049 J	0.063 J	0.1 U	0.11 U	---	---	---	---
Pyrene	0.094 U	0.096 J	0.1 U	0.11 U	110	>S	NITI	NITI
Anthracene	0.094 U	0.055 J	0.1 U	0.11 U	>S	>S	NITI	NITI
1-Methylnaphthalene	0.058 J	0.027 J	0.1 U	0.11 U	---	---	NITI	NITI
VOCs (µg/L)								
Acetone	40	15 U	11 J	6.7 J	---	---	NITI	NITI
Toluene	1.0 U	0.33 J	1.4	1.0 U	1100	6300	36000	150000

Notes:
GW = groundwater µg/L = micrograms per liter
DS =ingestion or inhalation from tap water.
WI = groundwater volatilization to indoor air
analyses not performed
230 = above the DEQ RBC for this analyte
J = estimated concentration above detection limit but below the method reporting limit
U = not detected above the MRL shown.
B = analyte detected in the sample and the laboratory blank.
NITI = no inhalation toxicity
NV = not volatile
--- = RBC not listed for this analyte
>S = The groundwater RBC exceeds the solubility limit.
Oregon RBCs from "Risk Based Concentrations for Individual Chemicals, Revision May 2018 and amended June 2023.
Volatilization to indoor air screening values from the June 2023 DEQ Table 1. Chronic and Acute Vapor Intrusion Risk-Based Concentrations.

Table 2. Preliminary Summary of Analytical Results from Soil and Sediment Samples
Croman Site, Ashland, Oregon

Sample ID	B02-8	B03-17	DU01-230504-0.5	DU01-230504-0.5 REP1	DU01-230504-0.5 REP2	DU02-230504-0.5	DU03-230505-0.5	DU03-230505-0.5-REP1	DU03-230505-0.5-REP2	DU04-SU01-230504-0.5	DU04-SU02 230504-0.5	DU05-SU06-230505-COMP01	DU05-SU06-230505-COMP02	DU06-SU03-230504-0.5	DU06-SU04-230505-0.5	DU07-230502-Fill	DU07-230502-Native	DEQ RBC Screening Level	DEQ RBC Screening Level	DEQ RBC Screening Level
Area of the Site	Temporary boring NW of former USTs	Temporary boring near pump	Wood treatment Dip Tank	Wood treatment Dip Tank	Wood treatment Dip Tank	North Wood Burner	South Wood Burner	South Wood Burner	South Wood Burner	Veneer mill - east	Veneer Mill south	Pond Sediments	Pond Sediments	Maintenance Shop - north	Maintenance Shop - East	North Landfill Area	North Landfill Area	Residential (DC)	Occupational (DC)	Excavation Worker (DC)
NWTPH- Gx, Dx (mg/Kg)																				
gasoline (GRO)	5.9 U	6.2 U										7.1 U	8.4 U					1200	20000	> Max
Diesel (DRO)	66	58 U	15 J	16 J	15 J	12 J	35 J	27 J	35 J	56		22 J	18 J	280	62	48 U H	49 U H	1100	14000	> Max
heavy oil (RRO)	190	28 J	180	200	190	110	360	300	360	350		310	240	**2200**	360	41 J H	49 U H	1100	14000	> Max
RCRA 8 Metals (mg/Kg)																				
Silver			0.8 U	0.71 U	0.73	0.76 U	0.68 U	0.76 U	0.72 U			0.89 U	0.87 U	0.72 U	0.67 U	0.75 U	0.73 U	390	5800	49000
Arsenic			2.3	2.3	2.2	2.9	2.2	2.3	2.3			1.1 J	1.5 J	2.2	2.3	4.9	2.3	0.43	1.9	420
Barium			51	56	53	110	75	95	98			44	57	57	49	200	81	15,000	220,000	>Max
Cadmium			0.038 J	0.035 J	0.37 U	0.058 J	0.047 J	0.046 J	0.059 J			0.45 U	0.43 U	0.13 J	0.11 J	0.045 J	0.37 U	78	1100	9700
Total Chromium			12 B	13 B	11 B	22 B	15 B	18 B	18 B			7.6	11	14 B	21 B	31 B	20 B	—	—	—
Lead	2.9	6.9	5.2	4.8	4.2	11	8.2	7.5	8.7	9.5		4.3	5.9	20	20	9.4	3.4	400	800	800
Selenium			1.4 U	1.3 U	1.3 U	1.4 U	1.2 U	1.4 U	1.3 U			1.6 U	1.6 U	1.3 U	1.2 U	1.3 U	1.3 U	—	—	—
Total Mercury			0.036	0.061	0.04	0.039	0.12	0.089	0.097		0.05	0.013 J	0.014 J	0.049	0.043	0.057	0.019	23	350	2900
PAHs (µg/Kg)																				
2-Methylnaphthalene	4.4 J	34 U	330 U	320 U	330 U	1.9 J	4.8 J	3.8 J	5.4 J	16		3.7 J	4.4 J	14	8.2 J	1 J	10 U	—		
Acenaphthene	33 U	34 U	330 U	320 U	330 U	10 U	9.7 U	9.9 U	10 U	6.6 J		35 U	35 U	2.8 J	6.3 J	9.9 U	10 U	4,700,000	70,000,000	590,000,000
Acenaphthylene	33 U	34 U	330 U	320 U	330 U	1.7 J	9.7 U	9.9 U	10 U	9.9 U		35 U	35 U	3.3 J	3.3 J	9.9 U	10 U	—	—	—
Benzo[a]anthracene	33 U	34 U	36 J	22 J	32 J	10 U	2.8 J	3.2 J	10 U	1.8 J		35 U	35 U	8.5 J	140	2.7 J	10 U	—	—	—
Benzo[a]pyrene	5.5 J	34 U	90 J	76 J	87 J	2.6 J	9.7 U	9.9 U	10 U	9.9 U		35 U	35 U	8.4 J	**160**	2.6 J	10 U	110	2100	490,000
Benzo[b]fluoranthene	9.6 J	34 U	200 J	170 J	200 J	2.9 J	4.8 J	3.7 J	3.6 J	9.9 U		35 U	12 J	15	210	4.7 J	10 U	1100	21000	4,900,000
Benzo[g,h,i]perylene	33 U	34 U	330 U	320 U	330 U	2.7 J	2.2 J	2.3 J	10 U	9.9 U		34 J	40	13	92	2.5 J	10 U	—		
Benzo[k]fluoranthene	33 U	34 U	330 U	320 U	330 U	10 U	9.7 U	9.9 U	10 U	9.9 U		35 U	35 U	3.5 J	76	9.9 U	10 U	>Csat	>Csat	>Csat
Chrysene	8.2 J	34 U	36 J	320 U	32 J	3.2 J	5.6 J	5.6 J	4.5 J	3.7 J		9.8 J	35 U	17	170	4 U	10 U	>Csat	>Csat	>Csat
Dibenz(a,h)anthracene	33 U	34 U	330 U	320 U	330 U	10 U	9.7 U	9.9 U	10 U	9.9 U		35 U	35 U	10 U	29	9.9 U	10 U	110	2,100	490,000
Fluoranthene	7.3 J	34 U	330 U	320 U	330 U	5.8 J	6.5 J	7.7 J	7.7 J	14		24 J	24 J	17	180	4.5 J	10 U	>Csat	>Csat	>Csat
Fluorene	33 U	34 U	330 U	320 U	330 U	10 U	2.9 J	2.4 J	2.9 J	4.5 J		9.1 J	3.9 J	10 U	8.2 J	9.9 U	10 U	>Csat	>Csat	>Csat
Indeno[1,2,3-cd]pyrene	33 U	34 U	330 U	320 U	330 U	2.2 J	9.7 U	9.9 U	10 U	9.9 U		28 J	29 J	8.9 J	97	9.9 U	10 U	1,100	21,000	4,900,000
Naphthalene	5.4 J	11 J	330 U	320 U	330 U	7.5 J	20	17	22	10		8.6 J	9.9 J	8 J	17	1.8 J	1.1 J	5,300	23,000	>Csat
Phenanthrene	11 J	34 U	330 U	320 U	330 U	7.7 J	17	15	17	26		22 J	23 J	20	78	3.4 J	10 U	—	—	—
Pyrene	33 U	34 U	29 J	20 J	25 J	4.7 J	4.2 J	6.4 J	6 J	8.9 J		10 J	9.6 J	24	180	3.9 J	10 U	>Csat	>Csat	>Csat
Anthracene	33 U	34 U	330 U	320 U	330 U	10 U	2 J	9.9 U	10 U	9.9 U		35 U	35 U	8 J	21	9.9 U	10 U	>Csat	>Csat	>Max
1-Methylnaphthalene	2.7 J	34 U	330 U	320 U	330 U	1.3 J	3.1 J	2.3 J	3.6 J	7.9 J		1.9 J	2.4 J	6.6 J	4 J	0.62 J	10 U	—	—	—
PCBs (µg/Kg)																				
total PCBs										40 J	92U/64U	340 U/240 U	340 U/240 U	91U/64U	90U/63U	87U /61U	92U/65U	230	590	140,000
SVOCs (µg/Kg)																				
Remaining SVOCs			ND	ND	ND															
Dioxins and Furans (pg/g)																				
2,3,7,8-TCDD equivalent			**23.60**	**39.97**	**20.65**	**146.3**	**122.2**	**152.5**	**24.77**			**6.82 J**	**6.91 J**					4.7	16	4800
95%UCL				**54.27**				**267.8**												
Average				28.1				99.8												

Notes:
DC = dermal contact, inhalation, ingestion
DU01 analyzed for full list of SVOCs, which includes PAHs, by EPA 8270D. Elevated reporting limits due to the method.
analyses not performed
J = estimated concentration above detection limit but below the method reporting limit.
H = ssample analyzed past holding time; B = analyte detected in the sample and the laboratory blank.
mg/Kg = milligram per kilogram; µg/Kg = microgram per kilogram; pg/g = picogram per gram
ND = not detected above the laboratory method detection limit
U = not detected above the MRL shown.
MRL = method reporting limit
160 = above the DEQ RBC for this analyte
--- = RBC not listed for this analyte
>Csat = This soil RCB exceeds the limit of three-phase equiplibrium patritioning. If concentrations greater than Csat, then free product is present.
>Max = This constituent RBC for this pathwasy is greater than 1,000,000 mg/Kg, therefore is deemed not to pose a risk in this scenario.
Oregon RBCs from "Risk Based Concentrations for Individual Chemicals, Revision May 2018 and amended June 2023.

Table 2. Preliminary Summary of Analytical Results from Soil and Sediment Samples
Croman Site, Ashland, Oregon

Sample ID	Clean Fill and/or Background Metals (Cascade Range)
Area of the Site	Clean Fill
NWTPH- Gx, Dx (mg/Kg)	
gasoline (GRO)	
Diesel (DRO)	
heavy oil (RRO)	
RCRA 8 Metals (mg/Kg)	
Silver	0.17
Arsenic	19
Barium	630
Cadmium	0.54
Total Chromium	200
Lead	34
Selenium	0.52
Total Mercury	0.24
PAHs (µg/Kg)	
2-Methylnaphthalene	11000
Acenaphthene	250
Acenaphthylene	120000
Benzo[a]anthracene	730
Benzo[a]pyrene	110
Benzo[b]fluoranthene	1100
Benzo[g,h,i]perylene	25000
Benzo[k]fluoranthene	11000
Chrysene	3100
Dibenz[a,h]anthracene	110
Fluoranthene	10000
Fluorene	3700
Indeno[1,2,3-cd]pyrene	1100
Naphthalene	77
Phenanthrene	5500
Pyrene	10000
Anthracene	6800
1-Methylnaphthalene	360
PCBs (µg/Kg)	
total PCBs	230
SVOCs (µg/Kg)	
Remaining SVOCs	
Dioxins and Furans (pg/g)	
2,3,7,8-TCDD equivalent	0.29
95%UCL	
Average	

Attachment 2

Laboratory Reports

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Barbara Lary
SCS Engineers
15940 SW 72nd Avenue
Portland, Oregon 97224

Generated 6/1/2023 2:20:11 PM

JOB DESCRIPTION

Croman Mill Site, Ashland, Oregon

JOB NUMBER

280-176200-1

Eurofins Denver
4955 Yarrow Street
Arvada CO 80002

See page two for job notes and contact information.

my EOL

Job Notes

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

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Definitions/Glossary

Client: SCS Engineers
Project/Site: Croman Mill Site, Ashland, Oregon

Job ID: 280-176200-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F3	Duplicate RPD exceeds the control limit
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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Laboratory: Eurofins Denver

Narrative

Job Narrative
280-176200-1

Comments
No additional comments.

Receipt
The samples were received on 5/9/2023 9:15 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.8° C and 1.4° C.

Receipt Exceptions
The following samples were received outside of holding time: B03-17 (280-176200-7) and B02-8 (280-176200-8). The DI Terracores were received outside the 48 hour freezing time. Per client request, method 8260 in which these containers were for, were cancelled for these samples.

The Terracores for the following samples were received with client labels on them: DU05-SU06-230505-COMP01 (280-176200-3), DU05-SU06-230505-COMP02 (280-176200-4), B03-17 (280-176200-7) and B02-8 (280-176200-8).

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 280-612584 recovered outside the control limit of 20%D for Dichlorodifluoromethane (-29.2%D). This analyte is a poor performer. The LCS/LCSD recovered within control limits therefore the data were reported.

Method 8260D: The matrix spike duplicate (MSD) recoveries for analytical batch 280-612584 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8260D: The following compounds were outside control limits in the continuing calibration verification (CCV) associated with batch 280-612565: 1,4-dioxane (-22%D, limit 20%D), and 1,2,3-trichlorobenzene (-25%D, limit 20%D). This is considered a poor performer and is within control limits in the LCS and LCSD.

Method 8260D: The method requirement for no headspace was not met. The following volatile sample was analyzed with headspace in the sample container: B03-19GW (280-176200-5).

Method 8260D: The continuing calibration verification (CCV) associated with batch 280-612891 recovered outside the control limit 20%D for Bromomethane(-23.1%D) and Dichlorodifluoromethane (-21.8%D). These analytes are considered poor performing compounds. The LCS/LCSD recovered within control limits therefore the data were qualified and reported.

Method 8260D: For Method 8260, the matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for analytical batch 280-612868 was outside control limits for 1,2,3-Trichlorobenzene. 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 NWTPH-Gx: The following sample was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The sample was analyzed outside the 7-day holding time specified for unpreserved samples but within the 14-day holding time specified for preserved samples: B02-15GW (280-176200-6).

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

GC/MS Semi VOA
Method 8270D SIM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 280-611929 and analytical batch 280-612138 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8270D SIM: The matrix spike (MS) recoveries for preparation batch 280-612087 and analytical batch 280-612216 were outside

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Laboratory: Eurofins Denver (Continued)

control limits for Acenaphthylene and Indeno[1,2,3-cd]pyrene. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8270D SIM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 280-612087 and analytical batch 280-612216 was outside control limits for Fluoranthene and Pyrene . Sample matrix interference is suspected.

Method 8270D SIM: The method blank for preparation batch 280-612087 contained several analytes above one-half the reporting limit (RL). None of the samples associated with this method blank contained the target compound at a level greater than the RL; therefore, re-extraction and/or re-analysis of samples were not performed.

Method 8270D SIM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 280-612097 and analytical batch 280-612600 were outside control limits for several analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8270D SIM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 280-612097 and analytical batch 280-612600 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected.

Method 8270D SIM: Surrogate Terphenyl-d14 recovery for the following sample was outside control limits with a recovery of 45% and a lower control limit of 46%: DU07-230502-Fill (280-176200-11). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8270D: The laboratory control sample (LCS) for preparation batch 280-611987 and 280-612492 and analytical batch 280-612910 recovered outside control limits for the following analytes: Bis(2-ethylhexyl) phthalate @ 120% UCL is 115%, 2,4-Dinitrophenol @ 117% UCL is 111%, Bis(2-chloroethyl)ether @ 140% UCL is 110%, Di-n-butyl phthalate @ 120% UCL is 111%, Butyl benzyl phthalate @ 121% UCL is 116%, 4-Chloro-3-methylphenol @ 114% UCL is 113%, Hexachlorocyclopentadiene @ 108% UCL is 102%, Benzo[a]anthracene @ 118% UCL is 114%, N-Nitrosodiphenylamine @ 105% UCL is 102%, Bis(2-chloroethoxy)methane @ 107% UCL is 106% and Dibenz(a,h)anthracene @ 111% UCL is 108%. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. DU01-230504-0.5 (280-176200-15), DU01-230504-0.5-Rep1 (280-176200-16), DU01-230504-0.5-Rep2 (280-176200-17) and (LCS 280-612492/2-A)

Method 8270D: The following analytes recovered outside control limits for the LCS associated with preparation batch 280-611987 and 280-612492 and analytical batch 280-612910: Benzo[b]fluoranthene @ 117% UCL is 114% MEUCL is 122% and Benzo[k]fluoranthene @ 120% UCL is 119% MEUCL is 128%. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported. DU01-230504-0.5 (280-176200-15), DU01-230504-0.5-Rep1 (280-176200-16), DU01-230504-0.5-Rep2 (280-176200-17) and (LCS 280-612492/2-A)

Method 8270D: The laboratory control sample (LCS) for preparation batch 280-611987 and 280-612492 and analytical batch 280-612910 recovered outside control limits for the following analytes: 3,3'-Dimethylbenzidine @ 8% LCL is 10%, Benzoic acid @ 24% LCL is 43%, Aniline @ 10% LCL is 24% and Pyridine @ 24% LCL is 32%, These have been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified. DU01-230504-0.5 (280-176200-15), DU01-230504-0.5-Rep1 (280-176200-16), DU01-230504-0.5-Rep2 (280-176200-17) and (LCS 280-612492/2-A)

Method 8270D: Internal standard (ISTD) response for the following sample was outside of acceptance limits for Perylene-d12, failing low: (MB 280-612492/1-A). The MB was ND for the target compounds associated to the failing ISTD. preparation batch 280-612492 and analytical batch 280-612910

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

GC VOA

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

GC Semi VOA

Method 8082A: The following samples in preparation batch 280-611987 and 280-612472 and analytical batch 280-612755 required a sulfuric acid clean-up, via EPA Method 3665A, to reduce matrix interferences: DU05-SU06-230505-COMP01 (280-176200-3),

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Laboratory: Eurofins Denver (Continued)

DU05-SU06-230505-COMP02 (280-176200-4), DU07-230502-Native (280-176200-10), DU07-230502-Fill (280-176200-11), DU04-SU02-230504-0.5 (280-176200-12), DU04-SU01-230504-0.5 (280-176200-13), DU06-SU03-230504-0.5 (280-176200-14), DU06-SU04-230505-0.5 (280-176200-20), (LCS 280-612472/2-A), (MB 280-612472/1-A), (280-176200-A-14-L MS) and (280-176200-A-14-M MSD).

Method 8082A: The Tetrachloro-m-xylene surrogate recovery for the following samples in preparation batch 280-611987 and 280-612472 and analytical batch 280-612755 was outside acceptance limits (high biased) on the primary column due to matrix interference: DU07-230502-Native (280-176200-10), DU07-230502-Fill (280-176200-11) and DU04-SU02-230504-0.5 (280-176200-12). The recovery is within acceptance limits on the other column, indicating that the extraction process was in control. The sample was non-detects on both columns.

Method 8082A: The Tetrachloro-m-xylene surrogate recovery for the following samples in preparation batch 280-611987 and 280-612472 and analytical batch 280-612755 was outside acceptance limits (high biased) on the primary column due to matrix interference: DU04-SU01-230504-0.5 (280-176200-13). The recovery is within acceptance limits on the other column, indicating that the extraction process was in control. The sample results were within 40% RPD between the two columns.

Method 8082A: The following sample in preparation batch 280-611987 and 280-612472 and analytical batch 280-612755 appears to contain polychlorinated biphenyls (PCBs); however, due to weathering or other environmental processes, the PCBs in the sample do not closely match any of the laboratory's Aroclor standards used for instrument calibration: DU04-SU01-230504-0.5 (280-176200-13). The sample(s) has been quantified and reported as Aroclor 1254. Due to the poor match with the Aroclor standard(s), there is increased qualitative and quantitative uncertainty associated with this result.

Method 8082A: The DCB Decachlorobiphenyl surrogate recovery for the following samples in preparation batch 280-611987 and 280-612472 and analytical batch 280-612755 was outside acceptance limits (low biased) on the primary column due to matrix interference: DU06-SU03-230504-0.5 (280-176200-14), (280-176200-A-14-L MS) and (280-176200-A-14-M MSD). The recovery is within acceptance limits on the other column, indicating that the extraction process was in control. The parent sample was non-detects on both columns.

Method 8082A: The Tetrachloro-m-xylene surrogate recovery for the following samples in preparation batch 280-612472 and analytical batch 280-612755 was outside acceptance limits (high biased) on the primary column: (MB 280-612472/1-A). The recovery is within acceptance limits on the other column, indicating that the extraction process was in control. The sample was non-detects on both columns.

Method NWTPH-Dx: The sample duplicate (DUP) precision for preparation batch 580-425843 and analytical batch 580-425959 was outside control limits for Motor Oil (>C24-C36). Sample non-homogeneity is suspected.

Method NWTPH-Dx: The following samples were prepared outside of preparation holding time due to the laboratory technicians not having a full shift between the date of login review and the hold expiration date: DU07-230502-Native (280-176200-10), DU07-230502-Fill (280-176200-11) and (280-176200-D-10-B DU). There was an issue in which the initial ISM aliquots sent to Eurofins Seattle were not received within thermal preservation range. In an attempt to re-send new aliquots within thermal preservation range, the two samples tagged were unable to be run within holding time. The client was contacted regarding this issue and authorized the lab to proceed with analysis.

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

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

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

Geotechnical
Methods Increment, prep: In analytical batch 280-611993, the following samples were air dried and sieved per the procedure; however, the samples contained material that would not pass through the sieve: DU01-230504-0.5 (280-176200-15), DU01-230504-0.5-Rep1 (280-176200-16), DU01-230504-0.5-Rep2 (280-176200-17), DU02-230504-0.5 (280-176200-18), DU03-230505-0.5 (280-176200-21),

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Laboratory: Eurofins Denver (Continued)

DU03-230505-0.5-Rep1 (280-176200-22), DU03-230505-0.5-Rep2 (280-176200-23), (280-176200-A-21 MS) and (280-176200-A-21 MSD). This material was removed, was not extracted, and is described in the aliquot spreadsheet. For methods ISM_A_DD_SI_SS/8290.

Methods Increment, prep: In analytical batch 280-611989, the following samples were air dried and sieved per the procedure; however, the samples contained material that would not pass through the sieve: DU07-230502-Native (280-176200-10), DU07-230502-Fill (280-176200-11), DU04-SU01-230504-0.5 (280-176200-13), DU06-SU03-230504-0.5 (280-176200-14), DU01-230504-0.5 (280-176200-15), DU01-230504-0.5-Rep1 (280-176200-16), DU01-230504-0.5-Rep2 (280-176200-17), DU02-230504-0.5 (280-176200-18), DU06-SU04-230505-0.5 (280-176200-20), DU03-230505-0.5 (280-176200-21), DU03-230505-0.5-Rep1 (280-176200-22), DU03-230505-0.5-Rep2 (280-176200-23), (280-176200-A-20 MS) and (280-176200-A-20 MSD). This material was removed, was not extracted, and is described in the aliquot spreadsheet. For methods ISM_A_DD_SI_SS/NWTPH.

Methods Increment, prep: In preparation batch 280-611987, the following samples were air dried and sieved per the procedure; however, the samples contained material that would not pass through the sieve: DU07-230502-Native (280-176200-10), DU07-230502-Fill (280-176200-11), DU04-SU02-230504-0.5 (280-176200-12), DU04-SU01-230504-0.5 (280-176200-13), DU06-SU03-230504-0.5 (280-176200-14), DU01-230504-0.5 (280-176200-15), DU01-230504-0.5-Rep1 (280-176200-16), DU01-230504-0.5-Rep2 (280-176200-17), DU02-230504-0.5 (280-176200-18), DU06-SU04-230505-0.5 (280-176200-20), DU03-230505-0.5 (280-176200-21), DU03-230505-0.5-Rep1 (280-176200-22), DU03-230505-0.5-Rep2 (280-176200-23), (280-176200-A-10 MS), (280-176200-A-10 MSD), (280-176200-A-13 MS), (280-176200-A-13 MSD), (280-176200-A-14 MS), (280-176200-A-14 MSD), (280-176200-A-15 MS) and (280-176200-A-15 MSD). This material was removed, was not extracted, and is described in the aliquot spreadsheet. For methods ISM_DD_SI_SS/6010D/7471B/8720_SIM/8082A/8270D.

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

Organic Prep

Method 3510C: The following samples B03-19GW (280-176200-5) and B02-15GW (280-176200-6) were yellow, preparation batch 280-611929 method 8270_SIM_LVI.

Method 3510C: The following samples B03-19GW (280-176200-5) and B02-15GW (280-176200-6) exhibited mild turbidity, preparation batch 280-611929 method 8270_SIM_LVI.

Method 3546: Due to the matrix consisting of a wet gritty soil, the initial volumes used for the following samples DU05-SU06-230505-COMP01 (280-176200-3) and DU05-SU06-230505-COMP02 (280-176200-4) in preparation batch 280-612097 deviated from the standard procedure: To protect the microwave and to prevent the samples from venting the samples were ran at five grams instead of the full fifteen grams. The reporting limits (RLs) have been adjusted proportionately. Method 8270D_SIM.

Method 3510C: The following samples: DU05-SU05-230505-Pond01 (280-176200-1) and DU05-SU05-230505-Pond02 (280-176200-2) were yellow in color, preparation batch 280-612087 method: 8270/SIM.

Method 3546: Due to the matrix consisting of wet non-homogenous sandy clay with rocks, five grams was used for the initial volume(s) instead of fifteen grams, which deviated from the standard procedure in order to prevent equipment damage: DU05-SU06-230505-COMP01 (280-176200-3) and DU05-SU06-230505-COMP02 (280-176200-4) in preparation batch 280-612472 . The reporting limits (RLs) have been adjusted proportionately. Method 8082A.

Method 3546: Due to the matrix consisting of wet-non homogenous rocky, and sandy clay, five grams was used for the initial volume(s) instead of fifteen grams, which deviated from the standard procedure in order to prevent equipment damage: B03-17 (280-176200-7) and B02-8 (280-176200-8) in preparation batch 280-612481 . The reporting limits (RLs) have been adjusted proportionately. Method 8270D_SIM.

Method 3510C: The following sample formed emulsions during the extraction procedure: DU05-SU05-230505-Pond02 (280-176200-2). The emulsions were broken up using additional methylene chloride rinses and sodium sulfate filtration.

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

VOA Prep

Method 5035: The following samples were provided to the laboratory with a significantly different initial weight than that required by the

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Laboratory: Eurofins Denver (Continued)

reference method: DU05-SU06-230505-COMP01 (280-176200-3) and DU05-SU06-230505-COMP02 (280-176200-4). Deviations in the weight by more than 20% may affect reporting limits and potentially method performance. The method specifies 10g. The amount provided was below this range.

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

Detection Summary

Client: SCS Engineers
Project/Site: Croman Mill Site, Ashland, Oregon

Job ID: 280-176200-1

Client Sample ID: DU05-SU05-230505-Pond01 — Lab Sample ID: 280-176200-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	11	J	15	6.6	ug/L	1		8260D	Total/NA
Toluene	1.4		1.0	0.32	ug/L	1		8260D	Total/NA
Acenaphthene	0.0089	J B	0.10	0.0042	ug/L	1		8270D SIM	Total/NA
Acenaphthylene	0.0061	J B	0.10	0.0051	ug/L	1		8270D SIM	Total/NA
Benzo[a]anthracene	0.033	J B	0.10	0.029	ug/L	1		8270D SIM	Total/NA
Benzo[k]fluoranthene	0.025	J B	0.10	0.023	ug/L	1		8270D SIM	Total/NA
#2 Diesel (C10-C24)	0.59		0.12	0.068	mg/L	1		NWTPH-Dx	Total/NA
Motor Oil (>C24-C36)	1.1		0.37	0.10	mg/L	1		NWTPH-Dx	Total/NA
Barium	57		10	0.82	ug/L	1		6010D	Dissolved
Cadmium	0.29	J	5.0	0.13	ug/L	1		6010D	Dissolved
Chromium	1.8	J	10	0.66	ug/L	1		6010D	Dissolved

Client Sample ID: DU05-SU05-230505-Pond02 — Lab Sample ID: 280-176200-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	6.7	J	15	6.6	ug/L	1		8260D	Total/NA
#2 Diesel (C10-C24)	0.60		0.11	0.067	mg/L	1		NWTPH-Dx	Total/NA
Motor Oil (>C24-C36)	1.1		0.36	0.099	mg/L	1		NWTPH-Dx	Total/NA
Barium	40		10	0.82	ug/L	1		6010D	Dissolved
Cadmium	0.19	J	5.0	0.13	ug/L	1		6010D	Dissolved
Chromium	1.1	J	10	0.66	ug/L	1		6010D	Dissolved

Client Sample ID: DU05-SU06-230505-COMP01 — Lab Sample ID: 280-176200-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	3.7	J	35	2.2	ug/Kg	1	☼	8270D SIM	Total/NA
Benzo[g,h,i]perylene	34	J	35	7.7	ug/Kg	1	☼	8270D SIM	Total/NA
Chrysene	9.8	J	35	7.0	ug/Kg	1	☼	8270D SIM	Total/NA
Fluoranthene	24	J	35	7.0	ug/Kg	1	☼	8270D SIM	Total/NA
Fluorene	9.1	J	35	3.3	ug/Kg	1	☼	8270D SIM	Total/NA
Indeno[1,2,3-cd]pyrene	28	J	35	7.7	ug/Kg	1	☼	8270D SIM	Total/NA
Naphthalene	8.6	J	35	2.3	ug/Kg	1	☼	8270D SIM	Total/NA
Phenanthrene	22	J	35	7.7	ug/Kg	1	☼	8270D SIM	Total/NA
Pyrene	10	J	35	7.7	ug/Kg	1	☼	8270D SIM	Total/NA
1-Methylnaphthalene	1.9	J	35	1.8	ug/Kg	1	☼	8270D SIM	Total/NA
#2 Diesel (C10-C24)	22	J	61	15	mg/Kg	1	☼	NWTPH-Dx	Total/NA
Motor Oil (>C24-C36)	310		61	21	mg/Kg	1	☼	NWTPH-Dx	Total/NA
Arsenic	1.1	J	1.8	0.59	mg/Kg	1	☼	6010D	Total/NA
Barium	44		0.89	0.26	mg/Kg	1	☼	6010D	Total/NA
Chromium	7.6		1.3	0.11	mg/Kg	1	☼	6010D	Total/NA
Lead	4.3		0.80	0.28	mg/Kg	1	☼	6010D	Total/NA
Mercury	0.013	J	0.021	0.0069	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: DU05-SU06-230505-COMP02 — Lab Sample ID: 280-176200-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	4.4	J	35	2.1	ug/Kg	1	☼	8270D SIM	Total/NA
Benzo[b]fluoranthene	12	J	35	8.3	ug/Kg	1	☼	8270D SIM	Total/NA
Benzo[g,h,i]perylene	40		35	7.6	ug/Kg	1	☼	8270D SIM	Total/NA
Fluoranthene	24	J	35	6.9	ug/Kg	1	☼	8270D SIM	Total/NA
Fluorene	3.9	J	35	3.2	ug/Kg	1	☼	8270D SIM	Total/NA
Indeno[1,2,3-cd]pyrene	29	J	35	7.6	ug/Kg	1	☼	8270D SIM	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: DU05-SU06-230505-COMP02 (Continued) — Lab Sample ID: 280-176200-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	9.9	J	35	2.3	ug/Kg	1	☼	8270D SIM	Total/NA
Phenanthrene	23	J	35	7.6	ug/Kg	1	☼	8270D SIM	Total/NA
Pyrene	9.6	J	35	7.6	ug/Kg	1	☼	8270D SIM	Total/NA
1-Methylnaphthalene	2.4	J	35	1.8	ug/Kg	1	☼	8270D SIM	Total/NA
#2 Diesel (C10-C24)	18	J	56	14	mg/Kg	1	☼	NWTPH-Dx	Total/NA
Motor Oil (>C24-C36)	240		56	19	mg/Kg	1	☼	NWTPH-Dx	Total/NA
Arsenic	1.5	J	1.7	0.58	mg/Kg	1	☼	6010D	Total/NA
Barium	57		0.87	0.26	mg/Kg	1	☼	6010D	Total/NA
Chromium	11		1.3	0.11	mg/Kg	1	☼	6010D	Total/NA
Lead	5.9		0.78	0.27	mg/Kg	1	☼	6010D	Total/NA
Mercury	0.014	J	0.023	0.0074	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: B03-19GW — Lab Sample ID: 280-176200-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.33	J	1.0	0.32	ug/L	1		8260D	Total/NA
2-Methylnaphthalene	0.030	J	0.10	0.022	ug/L	1		8270D SIM	Total/NA
Acenaphthene	0.032	J	0.10	0.0043	ug/L	1		8270D SIM	Total/NA
Acenaphthylene	0.017	J	0.10	0.0053	ug/L	1		8270D SIM	Total/NA
Benzo[a]anthracene	0.098	J	0.10	0.029	ug/L	1		8270D SIM	Total/NA
Benzo[a]pyrene	0.090	J	0.10	0.026	ug/L	1		8270D SIM	Total/NA
Benzo[b]fluoranthene	0.10		0.10	0.041	ug/L	1		8270D SIM	Total/NA
Benzo[g,h,i]perylene	0.10		0.10	0.038	ug/L	1		8270D SIM	Total/NA
Benzo[k]fluoranthene	0.096	J	0.10	0.024	ug/L	1		8270D SIM	Total/NA
Chrysene	0.10		0.10	0.034	ug/L	1		8270D SIM	Total/NA
Dibenz(a,h)anthracene	0.094	J	0.10	0.029	ug/L	1		8270D SIM	Total/NA
Fluoranthene	0.096	J	0.10	0.050	ug/L	1		8270D SIM	Total/NA
Fluorene	0.034	J	0.10	0.020	ug/L	1		8270D SIM	Total/NA
Indeno[1,2,3-cd]pyrene	0.097	J	0.10	0.041	ug/L	1		8270D SIM	Total/NA
Phenanthrene	0.063	J	0.10	0.051	ug/L	1		8270D SIM	Total/NA
Pyrene	0.096	J	0.10	0.047	ug/L	1		8270D SIM	Total/NA
Anthracene	0.055	J	0.10	0.032	ug/L	1		8270D SIM	Total/NA
1-Methylnaphthalene	0.027	J	0.10	0.019	ug/L	1		8270D SIM	Total/NA
#2 Diesel (C10-C24)	0.25		0.11	0.066	mg/L	1		NWTPH-Dx	Total/NA
Motor Oil (>C24-C36)	0.72		0.36	0.098	mg/L	1		NWTPH-Dx	Total/NA

Client Sample ID: B02-15GW — Lab Sample ID: 280-176200-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	40		15	6.6	ug/L	1		8260D	Total/NA
2-Methylnaphthalene	0.065	J	0.094	0.020	ug/L	1		8270D SIM	Total/NA
Acenaphthene	0.081	J	0.094	0.0039	ug/L	1		8270D SIM	Total/NA
Fluorene	0.094		0.094	0.018	ug/L	1		8270D SIM	Total/NA
Naphthalene	0.049	J	0.094	0.022	ug/L	1		8270D SIM	Total/NA
Phenanthrene	0.049	J	0.094	0.046	ug/L	1		8270D SIM	Total/NA
1-Methylnaphthalene	0.058	J	0.094	0.017	ug/L	1		8270D SIM	Total/NA
#2 Diesel (C10-C24)	2.3		0.11	0.065	mg/L	1		NWTPH-Dx	Total/NA
Motor Oil (>C24-C36)	4.2		0.35	0.096	mg/L	1		NWTPH-Dx	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: SCS Engineers
Project/Site: Croman Mill Site, Ashland, Oregon

Job ID: 280-176200-1

Client Sample ID: B03-17 — Lab Sample ID: 280-176200-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	11	J	34	2.2	ug/Kg	1	☼	8270D SIM	Total/NA
Motor Oil (>C24-C36)	28	J	58	20	mg/Kg	1	☼	NWTPH-Dx	Total/NA
Lead	6.9		0.71	0.24	mg/Kg	1	☼	6010D	Total/NA

Client Sample ID: B02-8 — Lab Sample ID: 280-176200-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	4.4	J	33	2.1	ug/Kg	1	☼	8270D SIM	Total/NA
Benzo[a]pyrene	5.5	J	33	4.9	ug/Kg	1	☼	8270D SIM	Total/NA
Benzo[b]fluoranthene	9.6	J	33	8.0	ug/Kg	1	☼	8270D SIM	Total/NA
Chrysene	8.2	J	33	6.7	ug/Kg	1	☼	8270D SIM	Total/NA
Fluoranthene	7.3	J	33	6.7	ug/Kg	1	☼	8270D SIM	Total/NA
Naphthalene	5.4	J	33	2.2	ug/Kg	1	☼	8270D SIM	Total/NA
Phenanthrene	11	J	33	7.3	ug/Kg	1	☼	8270D SIM	Total/NA
1-Methylnaphthalene	2.7	J	33	1.7	ug/Kg	1	☼	8270D SIM	Total/NA
#2 Diesel (C10-C24)	66		56	14	mg/Kg	1	☼	NWTPH-Dx	Total/NA
Motor Oil (>C24-C36)	190		56	20	mg/Kg	1	☼	NWTPH-Dx	Total/NA
Lead	2.9		0.69	0.24	mg/Kg	1	☼	6010D	Total/NA

Client Sample ID: TB-230507-01 — Lab Sample ID: 280-176200-9

No Detections.

Client Sample ID: DU07-230502-Native — Lab Sample ID: 280-176200-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	1.1	J	10	0.65	ug/Kg	1		8270D SIM	Total/NA
Arsenic	2.3		1.5	0.49	mg/Kg	1		6010D	Total/NA
Barium	81		0.73	0.22	mg/Kg	1		6010D	Total/NA
Chromium	20	B	1.1	0.090	mg/Kg	1		6010D	Total/NA
Lead	3.4		0.66	0.23	mg/Kg	1		6010D	Total/NA
Mercury	0.019		0.017	0.0056	mg/Kg	1		7471B	Total/NA
Incremented sample generated	True				NONE	1		Increment, prep	Total/NA

Client Sample ID: DU07-230502-Fill — Lab Sample ID: 280-176200-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	1.0	J	9.9	0.61	ug/Kg	1		8270D SIM	Total/NA
Benzo[a]anthracene	2.7	J	9.9	1.8	ug/Kg	1		8270D SIM	Total/NA
Benzo[a]pyrene	2.6	J	9.9	1.5	ug/Kg	1		8270D SIM	Total/NA
Benzo[b]fluoranthene	4.7	J	9.9	2.4	ug/Kg	1		8270D SIM	Total/NA
Benzo[g,h,i]perylene	2.5	J	9.9	2.2	ug/Kg	1		8270D SIM	Total/NA
Chrysene	4.0	J	9.9	2.0	ug/Kg	1		8270D SIM	Total/NA
Fluoranthene	4.5	J	9.9	2.0	ug/Kg	1		8270D SIM	Total/NA
Naphthalene	1.8	J	9.9	0.65	ug/Kg	1		8270D SIM	Total/NA
Phenanthrene	3.4	J	9.9	2.2	ug/Kg	1		8270D SIM	Total/NA
Pyrene	3.9	J	9.9	2.2	ug/Kg	1		8270D SIM	Total/NA
1-Methylnaphthalene	0.62	J	9.9	0.52	ug/Kg	1		8270D SIM	Total/NA
Motor Oil (>C24-C36)	41	J H	48	17	mg/Kg	1		NWTPH-Dx	Total/NA
Arsenic	4.9		1.5	0.50	mg/Kg	1		6010D	Total/NA
Barium	200		0.75	0.22	mg/Kg	1		6010D	Total/NA
Cadmium	0.045	J	0.37	0.031	mg/Kg	1		6010D	Total/NA
Chromium	31	B	1.1	0.092	mg/Kg	1		6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: DU07-230502-Fill (Continued) — Lab Sample ID: 280-176200-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	9.4		0.67	0.23	mg/Kg	1		6010D	Total/NA
Mercury	0.057		0.017	0.0055	mg/Kg	1		7471B	Total/NA
Incremented sample generated	True				NONE	1		Increment, prep	Total/NA

Client Sample ID: DU04-SU02-230504-0.5 — Lab Sample ID: 280-176200-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.050		0.017	0.0056	mg/Kg	1		7471B	Total/NA

Client Sample ID: DU04-SU01-230504-0.5 — Lab Sample ID: 280-176200-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	16		9.9	0.61	ug/Kg	1		8270D SIM	Total/NA
Acenaphthene	6.6	J	9.9	0.91	ug/Kg	1		8270D SIM	Total/NA
Benzo[a]anthracene	1.8	J	9.9	1.8	ug/Kg	1		8270D SIM	Total/NA
Chrysene	3.7	J	9.9	2.0	ug/Kg	1		8270D SIM	Total/NA
Fluoranthene	14		9.9	2.0	ug/Kg	1		8270D SIM	Total/NA
Fluorene	4.5	J	9.9	0.93	ug/Kg	1		8270D SIM	Total/NA
Naphthalene	10		9.9	0.64	ug/Kg	1		8270D SIM	Total/NA
Phenanthrene	26		9.9	2.2	ug/Kg	1		8270D SIM	Total/NA
Pyrene	8.9	J	9.9	2.2	ug/Kg	1		8270D SIM	Total/NA
1-Methylnaphthalene	7.9	J	9.9	0.51	ug/Kg	1		8270D SIM	Total/NA
PCB-1254	40	J	65	11	ug/Kg	1		8082A	Total/NA
Polychlorinated biphenyls, Total	40	J	65	2.3	ug/Kg	1		8082A	Total/NA
#2 Diesel (C10-C24)	56		49	12	mg/Kg	1		NWTPH-Dx	Total/NA
Motor Oil (>C24-C36)	350		49	17	mg/Kg	1		NWTPH-Dx	Total/NA
Lead	9.5		0.67	0.23	mg/Kg	1		6010D	Total/NA
Incremented sample generated	True				NONE	1		Increment, prep	Total/NA

Client Sample ID: DU06-SU03-230504-0.5 — Lab Sample ID: 280-176200-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	14		10	0.62	ug/Kg	1		8270D SIM	Total/NA
Acenaphthene	2.8	J	10	0.92	ug/Kg	1		8270D SIM	Total/NA
Acenaphthylene	3.3	J	10	0.78	ug/Kg	1		8270D SIM	Total/NA
Benzo[a]anthracene	8.5	J	10	1.8	ug/Kg	1		8270D SIM	Total/NA
Benzo[a]pyrene	8.4	J	10	1.5	ug/Kg	1		8270D SIM	Total/NA
Benzo[b]fluoranthene	15		10	2.4	ug/Kg	1		8270D SIM	Total/NA
Benzo[g,h,i]perylene	13		10	2.2	ug/Kg	1		8270D SIM	Total/NA
Benzo[k]fluoranthene	3.5	J	10	2.0	ug/Kg	1		8270D SIM	Total/NA
Chrysene	17		10	2.0	ug/Kg	1		8270D SIM	Total/NA
Fluoranthene	17		10	2.0	ug/Kg	1		8270D SIM	Total/NA
Indeno[1,2,3-cd]pyrene	8.9	J	10	2.2	ug/Kg	1		8270D SIM	Total/NA
Naphthalene	8.0	J	10	0.65	ug/Kg	1		8270D SIM	Total/NA
Phenanthrene	20		10	2.2	ug/Kg	1		8270D SIM	Total/NA
Pyrene	24		10	2.2	ug/Kg	1		8270D SIM	Total/NA
Anthracene	8.0	J	10	1.4	ug/Kg	1		8270D SIM	Total/NA
1-Methylnaphthalene	6.6	J	10	0.52	ug/Kg	1		8270D SIM	Total/NA
#2 Diesel (C10-C24)	280		47	12	mg/Kg	1		NWTPH-Dx	Total/NA
Motor Oil (>C24-C36)	2200		47	16	mg/Kg	1		NWTPH-Dx	Total/NA
Arsenic	2.2		1.4	0.48	mg/Kg	1		6010D	Total/NA
Barium	57		0.72	0.21	mg/Kg	1		6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: DU06-SU03-230504-0.5 (Continued)

Lab Sample ID: 280-176200-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	0.13	J	0.36	0.030	mg/Kg	1		6010D	Total/NA
Chromium	14	B	1.1	0.089	mg/Kg	1		6010D	Total/NA
Lead	20		0.65	0.22	mg/Kg	1		6010D	Total/NA
Mercury	0.049		0.018	0.0058	mg/Kg	1		7471B	Total/NA
Incremented sample generated	True				NONE	1		Increment, prep	Total/NA

Client Sample ID: DU01-230504-0.5

Lab Sample ID: 280-176200-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	36	J F1 *+	330	20	ug/Kg	1		8270D	Total/NA
Benzo[b]fluoranthene	200	J *+	330	26	ug/Kg	1		8270D	Total/NA
Benzo[a]pyrene	90	J	330	20	ug/Kg	1		8270D	Total/NA
Chrysene	36	J	330	27	ug/Kg	1		8270D	Total/NA
Pyrene	29	J	330	12	ug/Kg	1		8270D	Total/NA
#2 Diesel (C10-C24)	15	J	49	12	mg/Kg	1		NWTPH-Dx	Total/NA
Motor Oil (>C24-C36)	180		49	17	mg/Kg	1		NWTPH-Dx	Total/NA
Arsenic	2.3		1.6	0.53	mg/Kg	1		6010D	Total/NA
Barium	51		0.80	0.24	mg/Kg	1		6010D	Total/NA
Cadmium	0.038	J	0.40	0.033	mg/Kg	1		6010D	Total/NA
Chromium	12	B	1.2	0.099	mg/Kg	1		6010D	Total/NA
Lead	5.2		0.72	0.25	mg/Kg	1		6010D	Total/NA
Mercury	0.036		0.017	0.0055	mg/Kg	1		7471B	Total/NA
Incremented sample generated	True				NONE	1		Increment, prep	Total/NA

Client Sample ID: DU01-230504-0.5-Rep1

Lab Sample ID: 280-176200-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	22	J *+	320	19	ug/Kg	1		8270D	Total/NA
Benzo[b]fluoranthene	170	J *+	320	25	ug/Kg	1		8270D	Total/NA
Benzo[a]pyrene	76	J	320	19	ug/Kg	1		8270D	Total/NA
Pyrene	20	J	320	12	ug/Kg	1		8270D	Total/NA
#2 Diesel (C10-C24)	16	J	49	12	mg/Kg	1		NWTPH-Dx	Total/NA
Motor Oil (>C24-C36)	200		49	17	mg/Kg	1		NWTPH-Dx	Total/NA
Arsenic	2.3		1.4	0.47	mg/Kg	1		6010D	Total/NA
Barium	56		0.71	0.21	mg/Kg	1		6010D	Total/NA
Cadmium	0.035	J	0.35	0.029	mg/Kg	1		6010D	Total/NA
Chromium	13	B	1.1	0.087	mg/Kg	1		6010D	Total/NA
Lead	4.8		0.64	0.22	mg/Kg	1		6010D	Total/NA
Mercury	0.061		0.017	0.0056	mg/Kg	1		7471B	Total/NA
Incremented sample generated	True				NONE	1		Increment, prep	Total/NA

Client Sample ID: DU01-230504-0.5-Rep2

Lab Sample ID: 280-176200-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	32	J *+	330	20	ug/Kg	1		8270D	Total/NA
Benzo[b]fluoranthene	200	J *+	330	26	ug/Kg	1		8270D	Total/NA
Benzo[a]pyrene	87	J	330	20	ug/Kg	1		8270D	Total/NA
Chrysene	32	J	330	27	ug/Kg	1		8270D	Total/NA
Pyrene	25	J	330	12	ug/Kg	1		8270D	Total/NA
#2 Diesel (C10-C24)	15	J	49	12	mg/Kg	1		NWTPH-Dx	Total/NA
Motor Oil (>C24-C36)	190		49	17	mg/Kg	1		NWTPH-Dx	Total/NA
Arsenic	2.2		1.5	0.49	mg/Kg	1		6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: DU01-230504-0.5-Rep2 (Continued)

Lab Sample ID: 280-176200-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	53		0.73	0.22	mg/Kg	1		6010D	Total/NA
Chromium	11	B	1.1	0.090	mg/Kg	1		6010D	Total/NA
Lead	4.2		0.66	0.23	mg/Kg	1		6010D	Total/NA
Mercury	0.040		0.019	0.0060	mg/Kg	1		7471B	Total/NA
Incremented sample generated	True				NONE	1		Increment, prep	Total/NA

Client Sample ID: DU02-230504-0.5

Lab Sample ID: 280-176200-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	1.9	J	10	0.62	ug/Kg	1		8270D SIM	Total/NA
Acenaphthylene	1.7	J	10	0.78	ug/Kg	1		8270D SIM	Total/NA
Benzo[a]pyrene	2.6	J	10	1.5	ug/Kg	1		8270D SIM	Total/NA
Benzo[b]fluoranthene	2.9	J	10	2.4	ug/Kg	1		8270D SIM	Total/NA
Benzo[g,h,i]perylene	2.7	J	10	2.2	ug/Kg	1		8270D SIM	Total/NA
Chrysene	3.2	J	10	2.0	ug/Kg	1		8270D SIM	Total/NA
Indeno[1,2,3-cd]pyrene	2.2	J	10	2.2	ug/Kg	1		8270D SIM	Total/NA
Naphthalene	7.5	J	10	0.65	ug/Kg	1		8270D SIM	Total/NA
1-Methylnaphthalene	1.3	J	10	0.52	ug/Kg	1		8270D SIM	Total/NA
Fluoranthene - DL	5.8	J	20	4.0	ug/Kg	2		8270D SIM	Total/NA
Phenanthrene - DL	7.7	J	20	4.4	ug/Kg	2		8270D SIM	Total/NA
Pyrene - DL	4.7	J	20	4.4	ug/Kg	2		8270D SIM	Total/NA
#2 Diesel (C10-C24)	12	J	49	12	mg/Kg	1		NWTPH-Dx	Total/NA
Motor Oil (>C24-C36)	110		49	17	mg/Kg	1		NWTPH-Dx	Total/NA
Arsenic	2.9		1.5	0.51	mg/Kg	1		6010D	Total/NA
Barium	110		0.76	0.23	mg/Kg	1		6010D	Total/NA
Cadmium	0.058	J	0.38	0.031	mg/Kg	1		6010D	Total/NA
Chromium	22	B	1.1	0.094	mg/Kg	1		6010D	Total/NA
Lead	11		0.69	0.24	mg/Kg	1		6010D	Total/NA
Mercury	0.039		0.019	0.0061	mg/Kg	1		7471B	Total/NA
Incremented sample generated	True				NONE	1		Increment, prep	Total/NA

Client Sample ID: TB-230507-02

Lab Sample ID: 280-176200-19

No Detections.

Client Sample ID: DU06-SU04-230505-0.5

Lab Sample ID: 280-176200-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	8.2	J	9.7	0.60	ug/Kg	1		8270D SIM	Total/NA
Acenaphthene	6.3	J	9.7	0.90	ug/Kg	1		8270D SIM	Total/NA
Acenaphthylene	3.3	J	9.7	0.75	ug/Kg	1		8270D SIM	Total/NA
Benzo[a]anthracene	140		9.7	1.8	ug/Kg	1		8270D SIM	Total/NA
Benzo[a]pyrene	160		9.7	1.4	ug/Kg	1		8270D SIM	Total/NA
Benzo[b]fluoranthene	210		9.7	2.3	ug/Kg	1		8270D SIM	Total/NA
Benzo[g,h,i]perylene	92		9.7	2.1	ug/Kg	1		8270D SIM	Total/NA
Benzo[k]fluoranthene	76		9.7	1.9	ug/Kg	1		8270D SIM	Total/NA
Chrysene	170		9.7	1.9	ug/Kg	1		8270D SIM	Total/NA
Dibenz(a,h)anthracene	29		9.7	2.5	ug/Kg	1		8270D SIM	Total/NA
Fluoranthene	180		9.7	1.9	ug/Kg	1		8270D SIM	Total/NA
Fluorene	8.2	J	9.7	0.92	ug/Kg	1		8270D SIM	Total/NA
Indeno[1,2,3-cd]pyrene	97		9.7	2.1	ug/Kg	1		8270D SIM	Total/NA
Naphthalene	17		9.7	0.64	ug/Kg	1		8270D SIM	Total/NA
Phenanthrene	78		9.7	2.1	ug/Kg	1		8270D SIM	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: DU06-SU04-230505-0.5 (Continued)

Lab Sample ID: 280-176200-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Pyrene	180		9.7	2.1	ug/Kg	1		8270D SIM	Total/NA
Anthracene	21		9.7	1.4	ug/Kg	1		8270D SIM	Total/NA
1-Methylnaphthalene	4.0	J	9.7	0.51	ug/Kg	1		8270D SIM	Total/NA
#2 Diesel (C10-C24)	62		46	11	mg/Kg	1		NWTPH-Dx	Total/NA
Motor Oil (>C24-C36)	360		46	16	mg/Kg	1		NWTPH-Dx	Total/NA
Arsenic	2.3		1.3	0.44	mg/Kg	1		6010D	Total/NA
Barium	49		0.67	0.20	mg/Kg	1		6010D	Total/NA
Cadmium	0.11	J	0.33	0.027	mg/Kg	1		6010D	Total/NA
Chromium	21	B	1.0	0.082	mg/Kg	1		6010D	Total/NA
Lead	20		0.60	0.21	mg/Kg	1		6010D	Total/NA
Mercury	0.043		0.020	0.0064	mg/Kg	1		7471B	Total/NA
Incremented sample generated	True				NONE	1		Increment, prep	Total/NA

Client Sample ID: DU03-230505-0.5

Lab Sample ID: 280-176200-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	4.8	J	9.7	0.60	ug/Kg	1		8270D SIM	Total/NA
Benzo[a]anthracene	2.8	J	9.7	1.7	ug/Kg	1		8270D SIM	Total/NA
Benzo[b]fluoranthene	4.8	J	9.7	2.3	ug/Kg	1		8270D SIM	Total/NA
Benzo[g,h,i]perylene	2.2	J	9.7	2.1	ug/Kg	1		8270D SIM	Total/NA
Chrysene	5.6	J	9.7	1.9	ug/Kg	1		8270D SIM	Total/NA
Fluoranthene	6.5	J	9.7	1.9	ug/Kg	1		8270D SIM	Total/NA
Fluorene	2.9	J	9.7	0.91	ug/Kg	1		8270D SIM	Total/NA
Naphthalene	20		9.7	0.63	ug/Kg	1		8270D SIM	Total/NA
Phenanthrene	17		9.7	2.1	ug/Kg	1		8270D SIM	Total/NA
Pyrene	4.2	J	9.7	2.1	ug/Kg	1		8270D SIM	Total/NA
Anthracene	2.0	J	9.7	1.4	ug/Kg	1		8270D SIM	Total/NA
1-Methylnaphthalene	3.1	J	9.7	0.50	ug/Kg	1		8270D SIM	Total/NA
#2 Diesel (C10-C24)	35	J	47	12	mg/Kg	1		NWTPH-Dx	Total/NA
Motor Oil (>C24-C36)	360		47	17	mg/Kg	1		NWTPH-Dx	Total/NA
Arsenic	2.2		1.4	0.46	mg/Kg	1		6010D	Total/NA
Barium	75		0.68	0.20	mg/Kg	1		6010D	Total/NA
Cadmium	0.047	J	0.34	0.028	mg/Kg	1		6010D	Total/NA
Chromium	15	B	1.0	0.084	mg/Kg	1		6010D	Total/NA
Lead	8.2		0.62	0.21	mg/Kg	1		6010D	Total/NA
Mercury	0.12		0.017	0.0056	mg/Kg	1		7471B	Total/NA
Incremented sample generated	True				NONE	1		Increment, prep	Total/NA

Client Sample ID: DU03-230505-0.5-Rep1

Lab Sample ID: 280-176200-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	3.8	J	9.9	0.61	ug/Kg	1		8270D SIM	Total/NA
Benzo[a]anthracene	3.2	J	9.9	1.8	ug/Kg	1		8270D SIM	Total/NA
Benzo[b]fluoranthene	3.7	J	9.9	2.4	ug/Kg	1		8270D SIM	Total/NA
Benzo[g,h,i]perylene	2.3	J	9.9	2.2	ug/Kg	1		8270D SIM	Total/NA
Chrysene	5.6	J	9.9	2.0	ug/Kg	1		8270D SIM	Total/NA
Fluoranthene	7.7	J	9.9	2.0	ug/Kg	1		8270D SIM	Total/NA
Fluorene	2.4	J	9.9	0.93	ug/Kg	1		8270D SIM	Total/NA
Naphthalene	17		9.9	0.64	ug/Kg	1		8270D SIM	Total/NA
Phenanthrene	15		9.9	2.2	ug/Kg	1		8270D SIM	Total/NA
Pyrene	6.4	J	9.9	2.2	ug/Kg	1		8270D SIM	Total/NA
1-Methylnaphthalene	2.3	J	9.9	0.51	ug/Kg	1		8270D SIM	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: DU03-230505-0.5-Rep1 (Continued)

Lab Sample ID: 280-176200-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
#2 Diesel (C10-C24)	27	J	50	12	mg/Kg	1		NWTPH-Dx	Total/NA
Motor Oil (>C24-C36)	300		50	18	mg/Kg	1		NWTPH-Dx	Total/NA
Arsenic	2.3		1.5	0.50	mg/Kg	1		6010D	Total/NA
Barium	95		0.76	0.22	mg/Kg	1		6010D	Total/NA
Cadmium	0.046	J	0.38	0.031	mg/Kg	1		6010D	Total/NA
Chromium	18	B	1.1	0.093	mg/Kg	1		6010D	Total/NA
Lead	7.5		0.68	0.24	mg/Kg	1		6010D	Total/NA
Mercury	0.089		0.019	0.0063	mg/Kg	1		7471B	Total/NA
Incremented sample generated	True				NONE	1		Increment, prep	Total/NA

Client Sample ID: DU03-230505-0.5-Rep2

Lab Sample ID: 280-176200-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	5.4	J	10	0.62	ug/Kg	1		8270D SIM	Total/NA
Benzo[b]fluoranthene	3.6	J	10	2.4	ug/Kg	1		8270D SIM	Total/NA
Chrysene	4.5	J	10	2.0	ug/Kg	1		8270D SIM	Total/NA
Fluoranthene	7.7	J	10	2.0	ug/Kg	1		8270D SIM	Total/NA
Fluorene	2.9	J	10	0.94	ug/Kg	1		8270D SIM	Total/NA
Naphthalene	22		10	0.65	ug/Kg	1		8270D SIM	Total/NA
Phenanthrene	17		10	2.2	ug/Kg	1		8270D SIM	Total/NA
Pyrene	6.0	J	10	2.2	ug/Kg	1		8270D SIM	Total/NA
1-Methylnaphthalene	3.6	J	10	0.52	ug/Kg	1		8270D SIM	Total/NA
#2 Diesel (C10-C24)	35	J	49	12	mg/Kg	1		NWTPH-Dx	Total/NA
Motor Oil (>C24-C36)	360		49	17	mg/Kg	1		NWTPH-Dx	Total/NA
Arsenic	2.3		1.4	0.48	mg/Kg	1		6010D	Total/NA
Barium	98		0.72	0.21	mg/Kg	1		6010D	Total/NA
Cadmium	0.059	J	0.36	0.030	mg/Kg	1		6010D	Total/NA
Chromium	18	B	1.1	0.089	mg/Kg	1		6010D	Total/NA
Lead	8.7		0.65	0.22	mg/Kg	1		6010D	Total/NA
Mercury	0.097		0.018	0.0057	mg/Kg	1		7471B	Total/NA
Incremented sample generated	True				NONE	1		Increment, prep	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: SCS Engineers
Project/Site: Croman Mill Site, Ashland, Oregon

Job ID: 280-176200-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET DEN
NWTPH-Gx	Northwest - Volatile Petroleum Products (GC/MS)	NWTPH	EET SEA
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET DEN
8270D SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	EET DEN
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET DEN
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	EET SEA
6010D	Metals (ICP)	SW846	EET DEN
7470A	Mercury (CVAA)	SW846	EET DEN
7471B	Mercury (CVAA)	SW846	EET DEN
D 2216	Percent Moisture	ASTM	EET DEN
Increment, prep	ISM - Dry, Disaggregate, Sieve, 2 D Slabcake Subsample	EPA	EET DEN
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET DEN
3050B	Preparation, Metals	SW846	EET DEN
3050B MOD	Preparation, Metals	SW846	EET DEN
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET DEN
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET SEA
3546	Microwave Extraction	SW846	EET DEN
3546	Microwave Extraction	SW846	EET SEA
3550C	Ultrasonic Extraction	SW846	EET DEN
5030B	Purge and Trap	SW846	EET SEA
5030C	Purge and Trap	SW846	EET DEN
5035	Closed System Purge and Trap	SW846	EET SEA
7470A	Preparation, Mercury	SW846	EET DEN
7471B	Preparation, Mercury	SW846	EET DEN
Increment, prep	ISM - Dry, Disaggregate, Sieve, 2 D Slabcake Subsample	EPA	EET DEN

Protocol References:

ASTM = ASTM International
EPA = US Environmental Protection Agency
NWTPH = Northwest Total Petroleum Hydrocarbon
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100
EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Sample Summary

Client: SCS Engineers
Project/Site: Croman Mill Site, Ashland, Oregon

Job ID: 280-176200-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-176200-1	DU05-SU05-230505-Pond01	Water	05/05/23 10:00	05/09/23 09:15
280-176200-2	DU05-SU05-230505-Pond02	Water	05/05/23 10:05	05/09/23 09:15
280-176200-3	DU05-SU06-230505-COMP01	Solid	05/05/23 10:20	05/09/23 09:15
280-176200-4	DU05-SU06-230505-COMP02	Solid	05/05/23 10:25	05/09/23 09:15
280-176200-5	B03-19GW	Water	05/03/23 14:00	05/09/23 09:15
280-176200-6	B02-15GW	Water	05/03/23 15:00	05/09/23 09:15
280-176200-7	B03-17	Solid	05/03/23 13:15	05/09/23 09:15
280-176200-8	B02-8	Solid	05/03/23 13:30	05/09/23 09:15
280-176200-9	TB-230507-01	Water	05/07/23 11:00	05/09/23 09:15
280-176200-10	DU07-230502-Native	Solid	05/02/23 18:30	05/09/23 09:15
280-176200-11	DU07-230502-Fill	Solid	05/02/23 18:45	05/09/23 09:15
280-176200-12	DU04-SU02-230504-0.5	Solid	05/04/23 14:00	05/09/23 09:15
280-176200-13	DU04-SU01-230504-0.5	Solid	05/04/23 14:45	05/09/23 09:15
280-176200-14	DU06-SU03-230504-0.5	Solid	05/04/23 15:30	05/09/23 09:15
280-176200-15	DU01-230504-0.5	Solid	05/04/23 16:15	05/09/23 09:15
280-176200-16	DU01-230504-0.5-Rep1	Solid	05/04/23 16:25	05/09/23 09:15
280-176200-17	DU01-230504-0.5-Rep2	Solid	05/04/23 16:35	05/09/23 09:15
280-176200-18	DU02-230504-0.5	Solid	05/04/23 17:00	05/09/23 09:15
280-176200-19	TB-230507-02	Water	05/07/23 12:00	05/09/23 09:15
280-176200-20	DU06-SU04-230505-0.5	Solid	05/05/23 10:45	05/09/23 09:15
280-176200-21	DU03-230505-0.5	Solid	05/05/23 11:15	05/09/23 09:15
280-176200-22	DU03-230505-0.5-Rep1	Solid	05/05/23 11:20	05/09/23 09:15
280-176200-23	DU03-230505-0.5-Rep2	Solid	05/05/23 11:25	05/09/23 09:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Client Sample ID: DU05-SU05-230505-Pond01
Date Collected: 05/05/23 10:00
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	11	J	15	6.6	ug/L			05/18/23 01:26	1
2-Butanone (MEK)	ND		15	6.0	ug/L			05/18/23 01:26	1
Benzene	ND		1.0	0.31	ug/L			05/18/23 01:26	1
Chlorobenzene	ND		1.0	0.42	ug/L			05/18/23 01:26	1
Carbon disulfide	ND		2.0	0.63	ug/L			05/18/23 01:26	1
Carbon tetrachloride	ND		1.0	0.57	ug/L			05/18/23 01:26	1
Cyclohexane	ND		1.0	0.44	ug/L			05/18/23 01:26	1
1,2-Dibromo-3-Chloropropane	ND		5.0	1.8	ug/L			05/18/23 01:26	1
Bromomethane	ND		5.0	2.4	ug/L			05/18/23 01:26	1
Bromoform	ND		2.0	1.2	ug/L			05/18/23 01:26	1
Chloroethane	ND		4.0	1.4	ug/L			05/18/23 01:26	1
Chloroform	ND		1.0	0.36	ug/L			05/18/23 01:26	1
Chlorobromomethane	ND		1.0	0.40	ug/L			05/18/23 01:26	1
Dichlorobromomethane	ND		1.0	0.39	ug/L			05/18/23 01:26	1
Chlorodibromomethane	ND		2.0	0.62	ug/L			05/18/23 01:26	1
Isopropylbenzene	ND		1.0	0.36	ug/L			05/18/23 01:26	1
2-Hexanone	ND		5.0	1.7	ug/L			05/18/23 01:26	1
Chloromethane	ND		2.0	0.75	ug/L			05/18/23 01:26	1
Dichlorodifluoromethane	ND		3.0	0.96	ug/L			05/18/23 01:26	1
trans-1,2-Dichloroethene	ND		1.0	0.37	ug/L			05/18/23 01:26	1
trans-1,3-Dichloropropene	ND		2.0	0.65	ug/L			05/18/23 01:26	1
Methylene Chloride	ND		2.0	0.94	ug/L			05/18/23 01:26	1
Methyl acetate	ND		5.0	1.6	ug/L			05/18/23 01:26	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			05/18/23 01:26	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			05/18/23 01:26	1
Methylcyclohexane	ND		1.0	0.31	ug/L			05/18/23 01:26	1
Styrene	ND		1.0	0.36	ug/L			05/18/23 01:26	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/18/23 01:26	1
1,2,3-Trichlorobenzene	ND		2.0	0.70	ug/L			05/18/23 01:26	1
1,2,4-Trichlorobenzene	ND		1.0	0.58	ug/L			05/18/23 01:26	1
Toluene	1.4		1.0	0.32	ug/L			05/18/23 01:26	1
1,1,1-Trichloroethane	ND		1.0	0.39	ug/L			05/18/23 01:26	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/18/23 01:26	1
Trichloroethene	ND		1.0	0.30	ug/L			05/18/23 01:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.0	0.73	ug/L			05/18/23 01:26	1
Vinyl chloride	ND		2.0	0.51	ug/L			05/18/23 01:26	1
m-Xylene & p-Xylene	ND		2.0	0.36	ug/L			05/18/23 01:26	1
o-Xylene	ND		1.0	0.33	ug/L			05/18/23 01:26	1
Tetrachloroethene	ND		1.0	0.40	ug/L			05/18/23 01:26	1
1,2-Dichlorobenzene	ND		1.0	0.37	ug/L			05/18/23 01:26	1
1,3-Dichlorobenzene	ND		1.0	0.33	ug/L			05/18/23 01:26	1
1,4-Dichlorobenzene	ND		1.0	0.39	ug/L			05/18/23 01:26	1
cis-1,2-Dichloroethene	ND		1.0	0.32	ug/L			05/18/23 01:26	1
cis-1,3-Dichloropropene	ND		2.0	0.63	ug/L			05/18/23 01:26	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			05/18/23 01:26	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			05/18/23 01:26	1
1,2-Dichloroethane	ND		1.0	0.54	ug/L			05/18/23 01:26	1
1,2-Dichloropropane	ND		1.0	0.52	ug/L			05/18/23 01:26	1
1,4-Dioxane	ND		150	19	ug/L			05/18/23 01:26	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: DU05-SU05-230505-Pond01
Date Collected: 05/05/23 10:00
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.30	ug/L			05/18/23 01:26	1
Ethylene Dibromide	ND		1.0	0.40	ug/L			05/18/23 01:26	1
Trichlorofluoromethane	ND		2.0	0.57	ug/L			05/18/23 01:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 127*		*05/18/23 01:26*	*1*
Toluene-d8 (Surr)	*103*		*80 - 125*		*05/18/23 01:26*	*1*
4-Bromofluorobenzene (Surr)	*101*		*78 - 120*		*05/18/23 01:26*	*1*
Dibromofluoromethane (Surr)	*98*		*77 - 120*		*05/18/23 01:26*	*1*

Client Sample ID: DU05-SU05-230505-Pond02
Date Collected: 05/05/23 10:05
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	6.7	J	15	6.6	ug/L			05/18/23 01:46	1
2-Butanone (MEK)	ND		15	6.0	ug/L			05/18/23 01:46	1
Benzene	ND		1.0	0.31	ug/L			05/18/23 01:46	1
Chlorobenzene	ND		1.0	0.42	ug/L			05/18/23 01:46	1
Carbon disulfide	ND		2.0	0.63	ug/L			05/18/23 01:46	1
Carbon tetrachloride	ND		1.0	0.57	ug/L			05/18/23 01:46	1
Cyclohexane	ND		1.0	0.44	ug/L			05/18/23 01:46	1
1,2-Dibromo-3-Chloropropane	ND		5.0	1.8	ug/L			05/18/23 01:46	1
Bromomethane	ND		5.0	2.4	ug/L			05/18/23 01:46	1
Bromoform	ND		2.0	1.2	ug/L			05/18/23 01:46	1
Chloroethane	ND		4.0	1.4	ug/L			05/18/23 01:46	1
Chloroform	ND		1.0	0.36	ug/L			05/18/23 01:46	1
Chlorobromomethane	ND		1.0	0.40	ug/L			05/18/23 01:46	1
Dichlorobromomethane	ND		1.0	0.39	ug/L			05/18/23 01:46	1
Chlorodibromomethane	ND		2.0	0.62	ug/L			05/18/23 01:46	1
Isopropylbenzene	ND		1.0	0.36	ug/L			05/18/23 01:46	1
2-Hexanone	ND		5.0	1.7	ug/L			05/18/23 01:46	1
Chloromethane	ND		2.0	0.75	ug/L			05/18/23 01:46	1
Dichlorodifluoromethane	ND		3.0	0.96	ug/L			05/18/23 01:46	1
trans-1,2-Dichloroethene	ND		1.0	0.37	ug/L			05/18/23 01:46	1
trans-1,3-Dichloropropene	ND		2.0	0.65	ug/L			05/18/23 01:46	1
Methylene Chloride	ND		2.0	0.94	ug/L			05/18/23 01:46	1
Methyl acetate	ND		5.0	1.6	ug/L			05/18/23 01:46	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			05/18/23 01:46	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			05/18/23 01:46	1
Methylcyclohexane	ND		1.0	0.31	ug/L			05/18/23 01:46	1
Styrene	ND		1.0	0.36	ug/L			05/18/23 01:46	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/18/23 01:46	1
1,2,3-Trichlorobenzene	ND		2.0	0.70	ug/L			05/18/23 01:46	1
1,2,4-Trichlorobenzene	ND		1.0	0.58	ug/L			05/18/23 01:46	1
Toluene	ND		1.0	0.32	ug/L			05/18/23 01:46	1
1,1,1-Trichloroethane	ND		1.0	0.39	ug/L			05/18/23 01:46	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/18/23 01:46	1
Trichloroethene	ND		1.0	0.30	ug/L			05/18/23 01:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.0	0.73	ug/L			05/18/23 01:46	1
Vinyl chloride	ND		2.0	0.51	ug/L			05/18/23 01:46	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: DU05-SU05-230505-Pond02
Date Collected: 05/05/23 10:05
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		2.0	0.36	ug/L			05/18/23 01:46	1
o-Xylene	ND		1.0	0.33	ug/L			05/18/23 01:46	1
Tetrachloroethene	ND		1.0	0.40	ug/L			05/18/23 01:46	1
1,2-Dichlorobenzene	ND		1.0	0.37	ug/L			05/18/23 01:46	1
1,3-Dichlorobenzene	ND		1.0	0.33	ug/L			05/18/23 01:46	1
1,4-Dichlorobenzene	ND		1.0	0.39	ug/L			05/18/23 01:46	1
cis-1,2-Dichloroethene	ND		1.0	0.32	ug/L			05/18/23 01:46	1
cis-1,3-Dichloropropene	ND		2.0	0.63	ug/L			05/18/23 01:46	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			05/18/23 01:46	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			05/18/23 01:46	1
1,2-Dichloroethane	ND		1.0	0.54	ug/L			05/18/23 01:46	1
1,2-Dichloropropane	ND		1.0	0.52	ug/L			05/18/23 01:46	1
1,4-Dioxane	ND		150	19	ug/L			05/18/23 01:46	1
Ethylbenzene	ND		1.0	0.30	ug/L			05/18/23 01:46	1
Ethylene Dibromide	ND		1.0	0.40	ug/L			05/18/23 01:46	1
Trichlorofluoromethane	ND		2.0	0.57	ug/L			05/18/23 01:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 127*		*05/18/23 01:46*	*1*
Toluene-d8 (Surr)	*103*		*80 - 125*		*05/18/23 01:46*	*1*
4-Bromofluorobenzene (Surr)	*102*		*78 - 120*		*05/18/23 01:46*	*1*
Dibromofluoromethane (Surr)	*97*		*77 - 120*		*05/18/23 01:46*	*1*

Client Sample ID: B03-19GW
Date Collected: 05/03/23 14:00
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		15	6.6	ug/L			05/16/23 04:28	1
2-Butanone (MEK)	ND		15	6.0	ug/L			05/16/23 04:28	1
Benzene	ND		1.0	0.31	ug/L			05/16/23 04:28	1
Chlorobenzene	ND		1.0	0.42	ug/L			05/16/23 04:28	1
Carbon disulfide	ND		2.0	0.63	ug/L			05/16/23 04:28	1
Carbon tetrachloride	ND		1.0	0.57	ug/L			05/16/23 04:28	1
Cyclohexane	ND		1.0	0.44	ug/L			05/16/23 04:28	1
1,2-Dibromo-3-Chloropropane	ND		5.0	1.8	ug/L			05/16/23 04:28	1
Bromomethane	ND		5.0	2.4	ug/L			05/16/23 04:28	1
Bromoform	ND		2.0	1.2	ug/L			05/16/23 04:28	1
Chloroethane	ND		4.0	1.4	ug/L			05/16/23 04:28	1
Chloroform	ND		1.0	0.36	ug/L			05/16/23 04:28	1
Chlorobromomethane	ND		1.0	0.40	ug/L			05/16/23 04:28	1
Dichlorobromomethane	ND		1.0	0.39	ug/L			05/16/23 04:28	1
Chlorodibromomethane	ND		2.0	0.62	ug/L			05/16/23 04:28	1
Isopropylbenzene	ND		1.0	0.36	ug/L			05/16/23 04:28	1
2-Hexanone	ND		5.0	1.7	ug/L			05/16/23 04:28	1
Chloromethane	ND		2.0	0.75	ug/L			05/16/23 04:28	1
Dichlorodifluoromethane	ND		3.0	0.96	ug/L			05/16/23 04:28	1
trans-1,2-Dichloroethene	ND		1.0	0.37	ug/L			05/16/23 04:28	1
trans-1,3-Dichloropropene	ND		2.0	0.65	ug/L			05/16/23 04:28	1
Methylene Chloride	ND		2.0	0.94	ug/L			05/16/23 04:28	1
Methyl acetate	ND		5.0	1.6	ug/L			05/16/23 04:28	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: B03-19GW
Date Collected: 05/03/23 14:00
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			05/16/23 04:28	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			05/16/23 04:28	1
Methylcyclohexane	ND		1.0	0.31	ug/L			05/16/23 04:28	1
Styrene	ND		1.0	0.36	ug/L			05/16/23 04:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/16/23 04:28	1
1,2,3-Trichlorobenzene	ND		2.0	0.70	ug/L			05/16/23 04:28	1
1,2,4-Trichlorobenzene	ND		1.0	0.58	ug/L			05/16/23 04:28	1
Toluene	**0.33**	**J**	1.0	0.32	ug/L			05/16/23 04:28	1
1,1,1-Trichloroethane	ND		1.0	0.39	ug/L			05/16/23 04:28	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/16/23 04:28	1
Trichloroethene	ND		1.0	0.30	ug/L			05/16/23 04:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.0	0.73	ug/L			05/16/23 04:28	1
Vinyl chloride	ND		2.0	0.51	ug/L			05/16/23 04:28	1
m-Xylene & p-Xylene	ND		2.0	0.36	ug/L			05/16/23 04:28	1
o-Xylene	ND		1.0	0.33	ug/L			05/16/23 04:28	1
Tetrachloroethene	ND		1.0	0.40	ug/L			05/16/23 04:28	1
1,2-Dichlorobenzene	ND		1.0	0.37	ug/L			05/16/23 04:28	1
1,3-Dichlorobenzene	ND		1.0	0.33	ug/L			05/16/23 04:28	1
1,4-Dichlorobenzene	ND		1.0	0.39	ug/L			05/16/23 04:28	1
cis-1,2-Dichloroethene	ND		1.0	0.32	ug/L			05/16/23 04:28	1
cis-1,3-Dichloropropene	ND		2.0	0.63	ug/L			05/16/23 04:28	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			05/16/23 04:28	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			05/16/23 04:28	1
1,2-Dichloroethane	ND		1.0	0.54	ug/L			05/16/23 04:28	1
1,2-Dichloropropane	ND		1.0	0.52	ug/L			05/16/23 04:28	1
1,4-Dioxane	ND		150	19	ug/L			05/16/23 04:28	1
Ethylbenzene	ND		1.0	0.30	ug/L			05/16/23 04:28	1
Ethylene Dibromide	ND		1.0	0.40	ug/L			05/16/23 04:28	1
Trichlorofluoromethane	ND		2.0	0.57	ug/L			05/16/23 04:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 127*		*05/16/23 04:28*	*1*
Toluene-d8 (Surr)	*100*		*80 - 125*		*05/16/23 04:28*	*1*
4-Bromofluorobenzene (Surr)	*100*		*78 - 120*		*05/16/23 04:28*	*1*
Dibromofluoromethane (Surr)	*98*		*77 - 120*		*05/16/23 04:28*	*1*

Client Sample ID: B02-15GW
Date Collected: 05/03/23 15:00
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**40**		15	6.6	ug/L			05/16/23 01:11	1
2-Butanone (MEK)	ND		15	6.0	ug/L			05/16/23 01:11	1
Benzene	ND		1.0	0.31	ug/L			05/16/23 01:11	1
Chlorobenzene	ND		1.0	0.42	ug/L			05/16/23 01:11	1
Carbon disulfide	ND		2.0	0.63	ug/L			05/16/23 01:11	1
Carbon tetrachloride	ND		1.0	0.57	ug/L			05/16/23 01:11	1
Cyclohexane	ND		1.0	0.44	ug/L			05/16/23 01:11	1
1,2-Dibromo-3-Chloropropane	ND		5.0	1.8	ug/L			05/16/23 01:11	1
Bromomethane	ND		5.0	2.4	ug/L			05/16/23 01:11	1
Bromoform	ND		2.0	1.2	ug/L			05/16/23 01:11	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: B02-15GW
Date Collected: 05/03/23 15:00
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		4.0	1.4	ug/L			05/16/23 01:11	1
Chloroform	ND		1.0	0.36	ug/L			05/16/23 01:11	1
Chlorobromomethane	ND		1.0	0.40	ug/L			05/16/23 01:11	1
Dichlorobromomethane	ND		1.0	0.39	ug/L			05/16/23 01:11	1
Chlorodibromomethane	ND		2.0	0.62	ug/L			05/16/23 01:11	1
Isopropylbenzene	ND		1.0	0.36	ug/L			05/16/23 01:11	1
2-Hexanone	ND		5.0	1.7	ug/L			05/16/23 01:11	1
Chloromethane	ND		2.0	0.75	ug/L			05/16/23 01:11	1
Dichlorodifluoromethane	ND		3.0	0.96	ug/L			05/16/23 01:11	1
trans-1,2-Dichloroethene	ND		1.0	0.37	ug/L			05/16/23 01:11	1
trans-1,3-Dichloropropene	ND		2.0	0.65	ug/L			05/16/23 01:11	1
Methylene Chloride	ND		2.0	0.94	ug/L			05/16/23 01:11	1
Methyl acetate	ND		5.0	1.6	ug/L			05/16/23 01:11	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			05/16/23 01:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			05/16/23 01:11	1
Methylcyclohexane	ND		1.0	0.31	ug/L			05/16/23 01:11	1
Styrene	ND		1.0	0.36	ug/L			05/16/23 01:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/16/23 01:11	1
1,2,3-Trichlorobenzene	ND		2.0	0.70	ug/L			05/16/23 01:11	1
1,2,4-Trichlorobenzene	ND		1.0	0.58	ug/L			05/16/23 01:11	1
Toluene	ND		1.0	0.32	ug/L			05/16/23 01:11	1
1,1,1-Trichloroethane	ND		1.0	0.39	ug/L			05/16/23 01:11	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/16/23 01:11	1
Trichloroethene	ND		1.0	0.30	ug/L			05/16/23 01:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.0	0.73	ug/L			05/16/23 01:11	1
Vinyl chloride	ND		2.0	0.51	ug/L			05/16/23 01:11	1
m-Xylene & p-Xylene	ND		2.0	0.36	ug/L			05/16/23 01:11	1
o-Xylene	ND		1.0	0.33	ug/L			05/16/23 01:11	1
Tetrachloroethene	ND		1.0	0.40	ug/L			05/16/23 01:11	1
1,2-Dichlorobenzene	ND		1.0	0.37	ug/L			05/16/23 01:11	1
1,3-Dichlorobenzene	ND		1.0	0.33	ug/L			05/16/23 01:11	1
1,4-Dichlorobenzene	ND		1.0	0.39	ug/L			05/16/23 01:11	1
cis-1,2-Dichloroethene	ND		1.0	0.32	ug/L			05/16/23 01:11	1
cis-1,3-Dichloropropene	ND		2.0	0.63	ug/L			05/16/23 01:11	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			05/16/23 01:11	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			05/16/23 01:11	1
1,2-Dichloroethane	ND		1.0	0.54	ug/L			05/16/23 01:11	1
1,2-Dichloropropane	ND		1.0	0.52	ug/L			05/16/23 01:11	1
1,4-Dioxane	ND		150	19	ug/L			05/16/23 01:11	1
Ethylbenzene	ND		1.0	0.30	ug/L			05/16/23 01:11	1
Ethylene Dibromide	ND		1.0	0.40	ug/L			05/16/23 01:11	1
Trichlorofluoromethane	ND		2.0	0.57	ug/L			05/16/23 01:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 127*		*05/16/23 01:11*	*1*
Toluene-d8 (Surr)	*96*		*80 - 125*		*05/16/23 01:11*	*1*
4-Bromofluorobenzene (Surr)	*102*		*78 - 120*		*05/16/23 01:11*	*1*
Dibromofluoromethane (Surr)	*107*		*77 - 120*		*05/16/23 01:11*	*1*

Client: SCS Engineers
Project/Site: Croman Mill Site, Ashland, Oregon

Job ID: 280-176200-1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Client Sample ID: TB-230507-01
Date Collected: 05/07/23 11:00
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-9
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		15	6.6	ug/L			05/18/23 01:00	1
2-Butanone (MEK)	ND		15	6.0	ug/L			05/18/23 01:00	1
Benzene	ND		1.0	0.31	ug/L			05/18/23 01:00	1
Chlorobenzene	ND		1.0	0.42	ug/L			05/18/23 01:00	1
Carbon disulfide	ND		2.0	0.63	ug/L			05/18/23 01:00	1
Carbon tetrachloride	ND		1.0	0.57	ug/L			05/18/23 01:00	1
Cyclohexane	ND		1.0	0.44	ug/L			05/18/23 01:00	1
1,2-Dibromo-3-Chloropropane	ND		5.0	1.8	ug/L			05/18/23 01:00	1
Bromomethane	ND		5.0	2.4	ug/L			05/18/23 01:00	1
Bromoform	ND		2.0	1.2	ug/L			05/18/23 01:00	1
Chloroethane	ND		4.0	1.4	ug/L			05/18/23 01:00	1
Chloroform	ND		1.0	0.36	ug/L			05/18/23 01:00	1
Chlorobromomethane	ND		1.0	0.40	ug/L			05/18/23 01:00	1
Dichlorobromomethane	ND		1.0	0.39	ug/L			05/18/23 01:00	1
Chlorodibromomethane	ND		2.0	0.62	ug/L			05/18/23 01:00	1
Isopropylbenzene	ND		1.0	0.36	ug/L			05/18/23 01:00	1
2-Hexanone	ND		5.0	1.7	ug/L			05/18/23 01:00	1
Chloromethane	ND		2.0	0.75	ug/L			05/18/23 01:00	1
Dichlorodifluoromethane	ND		3.0	0.96	ug/L			05/18/23 01:00	1
trans-1,2-Dichloroethene	ND		1.0	0.37	ug/L			05/18/23 01:00	1
trans-1,3-Dichloropropene	ND		2.0	0.65	ug/L			05/18/23 01:00	1
Methylene Chloride	ND		2.0	0.94	ug/L			05/18/23 01:00	1
Methyl acetate	ND		5.0	1.6	ug/L			05/18/23 01:00	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			05/18/23 01:00	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			05/18/23 01:00	1
Methylcyclohexane	ND		1.0	0.31	ug/L			05/18/23 01:00	1
Styrene	ND		1.0	0.36	ug/L			05/18/23 01:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/18/23 01:00	1
1,2,3-Trichlorobenzene	ND		2.0	0.70	ug/L			05/18/23 01:00	1
1,2,4-Trichlorobenzene	ND		1.0	0.58	ug/L			05/18/23 01:00	1
Toluene	ND		1.0	0.32	ug/L			05/18/23 01:00	1
1,1,1-Trichloroethane	ND		1.0	0.39	ug/L			05/18/23 01:00	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/18/23 01:00	1
Trichloroethene	ND		1.0	0.30	ug/L			05/18/23 01:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.0	0.73	ug/L			05/18/23 01:00	1
Vinyl chloride	ND		2.0	0.51	ug/L			05/18/23 01:00	1
m-Xylene & p-Xylene	ND		2.0	0.36	ug/L			05/18/23 01:00	1
o-Xylene	ND		1.0	0.33	ug/L			05/18/23 01:00	1
Tetrachloroethene	ND		1.0	0.40	ug/L			05/18/23 01:00	1
1,2-Dichlorobenzene	ND		1.0	0.37	ug/L			05/18/23 01:00	1
1,3-Dichlorobenzene	ND		1.0	0.33	ug/L			05/18/23 01:00	1
1,4-Dichlorobenzene	ND		1.0	0.39	ug/L			05/18/23 01:00	1
cis-1,2-Dichloroethene	ND		1.0	0.32	ug/L			05/18/23 01:00	1
cis-1,3-Dichloropropene	ND		2.0	0.63	ug/L			05/18/23 01:00	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			05/18/23 01:00	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			05/18/23 01:00	1
1,2-Dichloroethane	ND		1.0	0.54	ug/L			05/18/23 01:00	1
1,2-Dichloropropane	ND		1.0	0.52	ug/L			05/18/23 01:00	1
1,4-Dioxane	ND		150	19	ug/L			05/18/23 01:00	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: TB-230507-01
Date Collected: 05/07/23 11:00
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-9
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.30	ug/L			05/18/23 01:00	1
Ethylene Dibromide	ND		1.0	0.40	ug/L			05/18/23 01:00	1
Trichlorofluoromethane	ND		2.0	0.57	ug/L			05/18/23 01:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 127*		*05/18/23 01:00*	*1*
Toluene-d8 (Surr)	*104*		*80 - 125*		*05/18/23 01:00*	*1*
4-Bromofluorobenzene (Surr)	*104*		*78 - 120*		*05/18/23 01:00*	*1*
Dibromofluoromethane (Surr)	*96*		*77 - 120*		*05/18/23 01:00*	*1*

Client Sample ID: TB-230507-02
Date Collected: 05/07/23 12:00
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-19
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		15	6.6	ug/L			05/18/23 01:22	1
2-Butanone (MEK)	ND		15	6.0	ug/L			05/18/23 01:22	1
Benzene	ND		1.0	0.31	ug/L			05/18/23 01:22	1
Chlorobenzene	ND		1.0	0.42	ug/L			05/18/23 01:22	1
Carbon disulfide	ND		2.0	0.63	ug/L			05/18/23 01:22	1
Carbon tetrachloride	ND		1.0	0.57	ug/L			05/18/23 01:22	1
Cyclohexane	ND		1.0	0.44	ug/L			05/18/23 01:22	1
1,2-Dibromo-3-Chloropropane	ND		5.0	1.8	ug/L			05/18/23 01:22	1
Bromomethane	ND		5.0	2.4	ug/L			05/18/23 01:22	1
Bromoform	ND		2.0	1.2	ug/L			05/18/23 01:22	1
Chloroethane	ND		4.0	1.4	ug/L			05/18/23 01:22	1
Chloroform	ND		1.0	0.36	ug/L			05/18/23 01:22	1
Chlorobromomethane	ND		1.0	0.40	ug/L			05/18/23 01:22	1
Dichlorobromomethane	ND		1.0	0.39	ug/L			05/18/23 01:22	1
Chlorodibromomethane	ND		2.0	0.62	ug/L			05/18/23 01:22	1
Isopropylbenzene	ND		1.0	0.36	ug/L			05/18/23 01:22	1
2-Hexanone	ND		5.0	1.7	ug/L			05/18/23 01:22	1
Chloromethane	ND		2.0	0.75	ug/L			05/18/23 01:22	1
Dichlorodifluoromethane	ND		3.0	0.96	ug/L			05/18/23 01:22	1
trans-1,2-Dichloroethene	ND		1.0	0.37	ug/L			05/18/23 01:22	1
trans-1,3-Dichloropropene	ND		2.0	0.65	ug/L			05/18/23 01:22	1
Methylene Chloride	ND		2.0	0.94	ug/L			05/18/23 01:22	1
Methyl acetate	ND		5.0	1.6	ug/L			05/18/23 01:22	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			05/18/23 01:22	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			05/18/23 01:22	1
Methylcyclohexane	ND		1.0	0.31	ug/L			05/18/23 01:22	1
Styrene	ND		1.0	0.36	ug/L			05/18/23 01:22	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/18/23 01:22	1
1,2,3-Trichlorobenzene	ND		2.0	0.70	ug/L			05/18/23 01:22	1
1,2,4-Trichlorobenzene	ND		1.0	0.58	ug/L			05/18/23 01:22	1
Toluene	ND		1.0	0.32	ug/L			05/18/23 01:22	1
1,1,1-Trichloroethane	ND		1.0	0.39	ug/L			05/18/23 01:22	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/18/23 01:22	1
Trichloroethene	ND		1.0	0.30	ug/L			05/18/23 01:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.0	0.73	ug/L			05/18/23 01:22	1
Vinyl chloride	ND		2.0	0.51	ug/L			05/18/23 01:22	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: TB-230507-02
Date Collected: 05/07/23 12:00
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-19
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		2.0	0.36	ug/L			05/18/23 01:22	1
o-Xylene	ND		1.0	0.33	ug/L			05/18/23 01:22	1
Tetrachloroethene	ND		1.0	0.40	ug/L			05/18/23 01:22	1
1,2-Dichlorobenzene	ND		1.0	0.37	ug/L			05/18/23 01:22	1
1,3-Dichlorobenzene	ND		1.0	0.33	ug/L			05/18/23 01:22	1
1,4-Dichlorobenzene	ND		1.0	0.39	ug/L			05/18/23 01:22	1
cis-1,2-Dichloroethene	ND		1.0	0.32	ug/L			05/18/23 01:22	1
cis-1,3-Dichloropropene	ND		2.0	0.63	ug/L			05/18/23 01:22	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			05/18/23 01:22	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			05/18/23 01:22	1
1,2-Dichloroethane	ND		1.0	0.54	ug/L			05/18/23 01:22	1
1,2-Dichloropropane	ND		1.0	0.52	ug/L			05/18/23 01:22	1
1,4-Dioxane	ND		150	19	ug/L			05/18/23 01:22	1
Ethylbenzene	ND		1.0	0.30	ug/L			05/18/23 01:22	1
Ethylene Dibromide	ND		1.0	0.40	ug/L			05/18/23 01:22	1
Trichlorofluoromethane	ND		2.0	0.57	ug/L			05/18/23 01:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 127*		*05/18/23 01:22*	*1*
Toluene-d8 (Surr)	*104*		*80 - 125*		*05/18/23 01:22*	*1*
4-Bromofluorobenzene (Surr)	*102*		*78 - 120*		*05/18/23 01:22*	*1*
Dibromofluoromethane (Surr)	*96*		*77 - 120*		*05/18/23 01:22*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Client Sample ID: DU05-SU05-230505-Pond01
Date Collected: 05/05/23 10:00
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.050	0.014	mg/L			05/12/23 20:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*77 - 123*		*05/12/23 20:38*	*1*

Client Sample ID: DU05-SU05-230505-Pond02
Date Collected: 05/05/23 10:05
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.050	0.014	mg/L			05/12/23 21:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*77 - 123*		*05/12/23 21:02*	*1*

Client Sample ID: DU05-SU06-230505-COMP01
Date Collected: 05/05/23 10:20
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-3
Matrix: Solid
Percent Solids: 82.7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		7.1	1.0	mg/Kg	☼	05/15/23 13:26	05/15/23 15:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*66 - 125*	*05/15/23 13:26*	*05/15/23 15:00*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Client Sample ID: DU05-SU06-230505-COMP02
Date Collected: 05/05/23 10:25
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-4
Matrix: Solid
Percent Solids: 83.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		8.4	1.2	mg/Kg	☼	05/15/23 13:26	05/15/23 15:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*66 - 125*	*05/15/23 13:26*	*05/15/23 15:24*	*1*

Client Sample ID: B03-19GW
Date Collected: 05/03/23 14:00
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.050	0.014	mg/L			05/12/23 21:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*77 - 123*		*05/12/23 21:26*	*1*

Client Sample ID: B02-15GW
Date Collected: 05/03/23 15:00
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.050	0.014	mg/L			05/12/23 21:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*77 - 123*		*05/12/23 21:50*	*1*

Client Sample ID: B03-17
Date Collected: 05/03/23 13:15
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-7
Matrix: Solid
Percent Solids: 86.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		6.2	0.88	mg/Kg	☼	05/15/23 13:26	05/15/23 15:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*66 - 125*	*05/15/23 13:26*	*05/15/23 15:48*	*1*

Client Sample ID: B02-8
Date Collected: 05/03/23 13:30
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-8
Matrix: Solid
Percent Solids: 88.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		5.9	0.84	mg/Kg	☼	05/15/23 13:26	05/15/23 16:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*66 - 125*	*05/15/23 13:26*	*05/15/23 16:12*	*1*

Method: SW846 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Client Sample ID: DU05-SU05-230505-Pond01
Date Collected: 05/05/23 10:00
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.10	0.022	ug/L		05/11/23 13:50	05/12/23 14:12	1
Acenaphthene	0.0089	J B	0.10	0.0042	ug/L		05/11/23 13:50	05/12/23 14:12	1
Acenaphthylene	0.0061	J B	0.10	0.0051	ug/L		05/11/23 13:50	05/12/23 14:12	1
Benzo[a]anthracene	0.033	J B	0.10	0.029	ug/L		05/11/23 13:50	05/12/23 14:12	1
Benzo[a]pyrene	ND		0.10	0.025	ug/L		05/11/23 13:50	05/12/23 14:12	1

Method: SW846 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Client Sample ID: DU05-SU05-230505-Pond01
Date Collected: 05/05/23 10:00
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		0.10	0.040	ug/L		05/11/23 13:50	05/12/23 14:12	1
Benzo[g,h,i]perylene	ND		0.10	0.038	ug/L		05/11/23 13:50	05/12/23 14:12	1
Benzo[k]fluoranthene	**0.025**	**J B**	0.10	0.023	ug/L		05/11/23 13:50	05/12/23 14:12	1
Chrysene	ND		0.10	0.033	ug/L		05/11/23 13:50	05/12/23 14:12	1
Dibenz(a,h)anthracene	ND		0.10	0.028	ug/L		05/11/23 13:50	05/12/23 14:12	1
Fluoranthene	ND		0.10	0.049	ug/L		05/11/23 13:50	05/12/23 14:12	1
Fluorene	ND		0.10	0.019	ug/L		05/11/23 13:50	05/12/23 14:12	1
Indeno[1,2,3-cd]pyrene	ND		0.10	0.040	ug/L		05/11/23 13:50	05/12/23 14:12	1
Naphthalene	ND		0.10	0.023	ug/L		05/11/23 13:50	05/12/23 14:12	1
Phenanthrene	ND		0.10	0.050	ug/L		05/11/23 13:50	05/12/23 14:12	1
Pyrene	ND		0.10	0.045	ug/L		05/11/23 13:50	05/12/23 14:12	1
Anthracene	ND		0.10	0.031	ug/L		05/11/23 13:50	05/12/23 14:12	1
1-Methylnaphthalene	ND		0.10	0.018	ug/L		05/11/23 13:50	05/12/23 14:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*37*		*26 - 114*	*05/11/23 13:50*	*05/12/23 14:12*	*1*
Nitrobenzene-d5	*39*		*18 - 126*	*05/11/23 13:50*	*05/12/23 14:12*	*1*
Terphenyl-d14	*47*		*36 - 131*	*05/11/23 13:50*	*05/12/23 14:12*	*1*

Client Sample ID: DU05-SU05-230505-Pond02
Date Collected: 05/05/23 10:05
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.11	0.023	ug/L		05/11/23 13:50	05/12/23 13:47	1
Acenaphthene	ND		0.11	0.0045	ug/L		05/11/23 13:50	05/12/23 13:47	1
Acenaphthylene	ND		0.11	0.0054	ug/L		05/11/23 13:50	05/12/23 13:47	1
Benzo[a]anthracene	ND		0.11	0.030	ug/L		05/11/23 13:50	05/12/23 13:47	1
Benzo[a]pyrene	ND		0.11	0.026	ug/L		05/11/23 13:50	05/12/23 13:47	1
Benzo[b]fluoranthene	ND		0.11	0.042	ug/L		05/11/23 13:50	05/12/23 13:47	1
Benzo[g,h,i]perylene	ND		0.11	0.040	ug/L		05/11/23 13:50	05/12/23 13:47	1
Benzo[k]fluoranthene	ND		0.11	0.024	ug/L		05/11/23 13:50	05/12/23 13:47	1
Chrysene	ND		0.11	0.035	ug/L		05/11/23 13:50	05/12/23 13:47	1
Dibenz(a,h)anthracene	ND		0.11	0.030	ug/L		05/11/23 13:50	05/12/23 13:47	1
Fluoranthene	ND		0.11	0.052	ug/L		05/11/23 13:50	05/12/23 13:47	1
Fluorene	ND		0.11	0.020	ug/L		05/11/23 13:50	05/12/23 13:47	1
Indeno[1,2,3-cd]pyrene	ND		0.11	0.042	ug/L		05/11/23 13:50	05/12/23 13:47	1
Naphthalene	ND		0.11	0.025	ug/L		05/11/23 13:50	05/12/23 13:47	1
Phenanthrene	ND		0.11	0.053	ug/L		05/11/23 13:50	05/12/23 13:47	1
Pyrene	ND		0.11	0.048	ug/L		05/11/23 13:50	05/12/23 13:47	1
Anthracene	ND		0.11	0.033	ug/L		05/11/23 13:50	05/12/23 13:47	1
1-Methylnaphthalene	ND		0.11	0.020	ug/L		05/11/23 13:50	05/12/23 13:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*42*		*26 - 114*	*05/11/23 13:50*	*05/12/23 13:47*	*1*
Nitrobenzene-d5	*42*		*18 - 126*	*05/11/23 13:50*	*05/12/23 13:47*	*1*
Terphenyl-d14	*69*		*36 - 131*	*05/11/23 13:50*	*05/12/23 13:47*	*1*

Method: SW846 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Client Sample ID: DU05-SU06-230505-COMP01
Date Collected: 05/05/23 10:20
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-3
Matrix: Solid
Percent Solids: 82.7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	3.7	J	35	2.2	ug/Kg	☼	05/11/23 12:12	05/16/23 13:02	1
Acenaphthene	ND		35	3.2	ug/Kg	☼	05/11/23 12:12	05/16/23 13:02	1
Acenaphthylene	ND		35	2.7	ug/Kg	☼	05/11/23 12:12	05/16/23 13:02	1
Benzo[a]anthracene	ND		35	6.3	ug/Kg	☼	05/11/23 12:12	05/16/23 13:02	1
Benzo[a]pyrene	ND		35	5.2	ug/Kg	☼	05/11/23 12:12	05/16/23 13:02	1
Benzo[b]fluoranthene	ND		35	8.4	ug/Kg	☼	05/11/23 12:12	05/16/23 13:02	1
Benzo[g,h,i]perylene	34	J	35	7.7	ug/Kg	☼	05/11/23 12:12	05/16/23 13:02	1
Benzo[k]fluoranthene	ND		35	7.0	ug/Kg	☼	05/11/23 12:12	05/16/23 13:02	1
Chrysene	9.8	J	35	7.0	ug/Kg	☼	05/11/23 12:12	05/16/23 13:02	1
Dibenz(a,h)anthracene	ND		35	9.1	ug/Kg	☼	05/11/23 12:12	05/16/23 13:02	1
Fluoranthene	24	J	35	7.0	ug/Kg	☼	05/11/23 12:12	05/16/23 13:02	1
Fluorene	9.1	J	35	3.3	ug/Kg	☼	05/11/23 12:12	05/16/23 13:02	1
Indeno[1,2,3-cd]pyrene	28	J	35	7.7	ug/Kg	☼	05/11/23 12:12	05/16/23 13:02	1
Naphthalene	8.6	J	35	2.3	ug/Kg	☼	05/11/23 12:12	05/16/23 13:02	1
Phenanthrene	22	J	35	7.7	ug/Kg	☼	05/11/23 12:12	05/16/23 13:02	1
Pyrene	10	J	35	7.7	ug/Kg	☼	05/11/23 12:12	05/16/23 13:02	1
Anthracene	ND		35	5.0	ug/Kg	☼	05/11/23 12:12	05/16/23 13:02	1
1-Methylnaphthalene	1.9	J	35	1.8	ug/Kg	☼	05/11/23 12:12	05/16/23 13:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*42 - 104*	*05/11/23 12:12*	*05/16/23 13:02*	*1*
Nitrobenzene-d5	*74*		*14 - 139*	*05/11/23 12:12*	*05/16/23 13:02*	*1*
Terphenyl-d14	*106*		*46 - 125*	*05/11/23 12:12*	*05/16/23 13:02*	*1*

Client Sample ID: DU05-SU06-230505-COMP02
Date Collected: 05/05/23 10:25
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-4
Matrix: Solid
Percent Solids: 83.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	4.4	J	35	2.1	ug/Kg	☼	05/11/23 12:12	05/16/23 13:27	1
Acenaphthene	ND		35	3.2	ug/Kg	☼	05/11/23 12:12	05/16/23 13:27	1
Acenaphthylene	ND		35	2.7	ug/Kg	☼	05/11/23 12:12	05/16/23 13:27	1
Benzo[a]anthracene	ND		35	6.2	ug/Kg	☼	05/11/23 12:12	05/16/23 13:27	1
Benzo[a]pyrene	ND		35	5.1	ug/Kg	☼	05/11/23 12:12	05/16/23 13:27	1
Benzo[b]fluoranthene	12	J	35	8.3	ug/Kg	☼	05/11/23 12:12	05/16/23 13:27	1
Benzo[g,h,i]perylene	40		35	7.6	ug/Kg	☼	05/11/23 12:12	05/16/23 13:27	1
Benzo[k]fluoranthene	ND		35	6.9	ug/Kg	☼	05/11/23 12:12	05/16/23 13:27	1
Chrysene	ND		35	6.9	ug/Kg	☼	05/11/23 12:12	05/16/23 13:27	1
Dibenz(a,h)anthracene	ND		35	9.0	ug/Kg	☼	05/11/23 12:12	05/16/23 13:27	1
Fluoranthene	24	J	35	6.9	ug/Kg	☼	05/11/23 12:12	05/16/23 13:27	1
Fluorene	3.9	J	35	3.2	ug/Kg	☼	05/11/23 12:12	05/16/23 13:27	1
Indeno[1,2,3-cd]pyrene	29	J	35	7.6	ug/Kg	☼	05/11/23 12:12	05/16/23 13:27	1
Naphthalene	9.9	J	35	2.3	ug/Kg	☼	05/11/23 12:12	05/16/23 13:27	1
Phenanthrene	23	J	35	7.6	ug/Kg	☼	05/11/23 12:12	05/16/23 13:27	1
Pyrene	9.6	J	35	7.6	ug/Kg	☼	05/11/23 12:12	05/16/23 13:27	1
Anthracene	ND		35	5.0	ug/Kg	☼	05/11/23 12:12	05/16/23 13:27	1
1-Methylnaphthalene	2.4	J	35	1.8	ug/Kg	☼	05/11/23 12:12	05/16/23 13:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*42 - 104*	*05/11/23 12:12*	*05/16/23 13:27*	*1*
Nitrobenzene-d5	*76*		*14 - 139*	*05/11/23 12:12*	*05/16/23 13:27*	*1*

Method: SW846 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Client Sample ID: DU05-SU06-230505-COMP02
Date Collected: 05/05/23 10:25
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-4
Matrix: Solid
Percent Solids: 83.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	*101*		*46 - 125*	*05/11/23 12:12*	*05/16/23 13:27*	*1*

Client Sample ID: B03-19GW
Date Collected: 05/03/23 14:00
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	**0.030**	**J**	0.10	0.022	ug/L		05/10/23 10:33	05/11/23 22:47	1
Acenaphthene	**0.032**	**J**	0.10	0.0043	ug/L		05/10/23 10:33	05/11/23 22:47	1
Acenaphthylene	**0.017**	**J**	0.10	0.0053	ug/L		05/10/23 10:33	05/11/23 22:47	1
Benzo[a]anthracene	**0.098**	**J**	0.10	0.029	ug/L		05/10/23 10:33	05/11/23 22:47	1
Benzo[a]pyrene	**0.090**	**J**	0.10	0.026	ug/L		05/10/23 10:33	05/11/23 22:47	1
Benzo[b]fluoranthene	**0.10**		0.10	0.041	ug/L		05/10/23 10:33	05/11/23 22:47	1
Benzo[g,h,i]perylene	**0.10**		0.10	0.038	ug/L		05/10/23 10:33	05/11/23 22:47	1
Benzo[k]fluoranthene	**0.096**	**J**	0.10	0.024	ug/L		05/10/23 10:33	05/11/23 22:47	1
Chrysene	**0.10**		0.10	0.034	ug/L		05/10/23 10:33	05/11/23 22:47	1
Dibenz(a,h)anthracene	**0.094**	**J**	0.10	0.029	ug/L		05/10/23 10:33	05/11/23 22:47	1
Fluoranthene	**0.096**	**J**	0.10	0.050	ug/L		05/10/23 10:33	05/11/23 22:47	1
Fluorene	**0.034**	**J**	0.10	0.020	ug/L		05/10/23 10:33	05/11/23 22:47	1
Indeno[1,2,3-cd]pyrene	**0.097**	**J**	0.10	0.041	ug/L		05/10/23 10:33	05/11/23 22:47	1
Naphthalene	ND		0.10	0.024	ug/L		05/10/23 10:33	05/11/23 22:47	1
Phenanthrene	**0.063**	**J**	0.10	0.051	ug/L		05/10/23 10:33	05/11/23 22:47	1
Pyrene	**0.096**	**J**	0.10	0.047	ug/L		05/10/23 10:33	05/11/23 22:47	1
Anthracene	**0.055**	**J**	0.10	0.032	ug/L		05/10/23 10:33	05/11/23 22:47	1
1-Methylnaphthalene	**0.027**	**J**	0.10	0.019	ug/L		05/10/23 10:33	05/11/23 22:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	*60*		*26 - 114*	*05/10/23 10:33*	*05/11/23 22:47*	*1*
Nitrobenzene-d5	*57*		*18 - 126*	*05/10/23 10:33*	*05/11/23 22:47*	*1*
Terphenyl-d14	*76*		*36 - 131*	*05/10/23 10:33*	*05/11/23 22:47*	*1*

Client Sample ID: B02-15GW
Date Collected: 05/03/23 15:00
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	**0.065**	**J**	0.094	0.020	ug/L		05/10/23 10:33	05/11/23 23:12	1
Acenaphthene	**0.081**	**J**	0.094	0.0039	ug/L		05/10/23 10:33	05/11/23 23:12	1
Acenaphthylene	ND		0.094	0.0048	ug/L		05/10/23 10:33	05/11/23 23:12	1
Benzo[a]anthracene	ND		0.094	0.027	ug/L		05/10/23 10:33	05/11/23 23:12	1
Benzo[a]pyrene	ND		0.094	0.023	ug/L		05/10/23 10:33	05/11/23 23:12	1
Benzo[b]fluoranthene	ND		0.094	0.037	ug/L		05/10/23 10:33	05/11/23 23:12	1
Benzo[g,h,i]perylene	ND		0.094	0.035	ug/L		05/10/23 10:33	05/11/23 23:12	1
Benzo[k]fluoranthene	ND		0.094	0.021	ug/L		05/10/23 10:33	05/11/23 23:12	1
Chrysene	ND		0.094	0.031	ug/L		05/10/23 10:33	05/11/23 23:12	1
Dibenz(a,h)anthracene	ND		0.094	0.026	ug/L		05/10/23 10:33	05/11/23 23:12	1
Fluoranthene	ND		0.094	0.046	ug/L		05/10/23 10:33	05/11/23 23:12	1
Fluorene	**0.094**		0.094	0.018	ug/L		05/10/23 10:33	05/11/23 23:12	1
Indeno[1,2,3-cd]pyrene	ND		0.094	0.037	ug/L		05/10/23 10:33	05/11/23 23:12	1
Naphthalene	**0.049**	**J**	0.094	0.022	ug/L		05/10/23 10:33	05/11/23 23:12	1
Phenanthrene	**0.049**	**J**	0.094	0.046	ug/L		05/10/23 10:33	05/11/23 23:12	1
Pyrene	ND		0.094	0.042	ug/L		05/10/23 10:33	05/11/23 23:12	1

Method: SW846 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Client Sample ID: B02-15GW
Date Collected: 05/03/23 15:00
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		0.094	0.029	ug/L		05/10/23 10:33	05/11/23 23:12	1
1-Methylnaphthalene	0.058	J	0.094	0.017	ug/L		05/10/23 10:33	05/11/23 23:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*57*		*26 - 114*	*05/10/23 10:33*	*05/11/23 23:12*	*1*
Nitrobenzene-d5	*57*		*18 - 126*	*05/10/23 10:33*	*05/11/23 23:12*	*1*
Terphenyl-d14	*69*		*36 - 131*	*05/10/23 10:33*	*05/11/23 23:12*	*1*

Client Sample ID: B03-17
Date Collected: 05/03/23 13:15
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-7
Matrix: Solid
Percent Solids: 86.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		34	2.1	ug/Kg	☼	05/15/23 14:28	05/16/23 11:49	1
Acenaphthene	ND		34	3.1	ug/Kg	☼	05/15/23 14:28	05/16/23 11:49	1
Acenaphthylene	ND		34	2.6	ug/Kg	☼	05/15/23 14:28	05/16/23 11:49	1
Benzo[a]anthracene	ND		34	6.0	ug/Kg	☼	05/15/23 14:28	05/16/23 11:49	1
Benzo[a]pyrene	ND		34	5.0	ug/Kg	☼	05/15/23 14:28	05/16/23 11:49	1
Benzo[b]fluoranthene	ND		34	8.0	ug/Kg	☼	05/15/23 14:28	05/16/23 11:49	1
Benzo[g,h,i]perylene	ND		34	7.4	ug/Kg	☼	05/15/23 14:28	05/16/23 11:49	1
Benzo[k]fluoranthene	ND		34	6.7	ug/Kg	☼	05/15/23 14:28	05/16/23 11:49	1
Chrysene	ND		34	6.7	ug/Kg	☼	05/15/23 14:28	05/16/23 11:49	1
Dibenz(a,h)anthracene	ND		34	8.7	ug/Kg	☼	05/15/23 14:28	05/16/23 11:49	1
Fluoranthene	ND		34	6.7	ug/Kg	☼	05/15/23 14:28	05/16/23 11:49	1
Fluorene	ND		34	3.2	ug/Kg	☼	05/15/23 14:28	05/16/23 11:49	1
Indeno[1,2,3-cd]pyrene	ND		34	7.4	ug/Kg	☼	05/15/23 14:28	05/16/23 11:49	1
Naphthalene	11	J	34	2.2	ug/Kg	☼	05/15/23 14:28	05/16/23 11:49	1
Phenanthrene	ND		34	7.4	ug/Kg	☼	05/15/23 14:28	05/16/23 11:49	1
Pyrene	ND		34	7.4	ug/Kg	☼	05/15/23 14:28	05/16/23 11:49	1
Anthracene	ND		34	4.8	ug/Kg	☼	05/15/23 14:28	05/16/23 11:49	1
1-Methylnaphthalene	ND		34	1.7	ug/Kg	☼	05/15/23 14:28	05/16/23 11:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*57*		*42 - 104*	*05/15/23 14:28*	*05/16/23 11:49*	*1*
Nitrobenzene-d5	*42*		*14 - 139*	*05/15/23 14:28*	*05/16/23 11:49*	*1*
Terphenyl-d14	*88*		*46 - 125*	*05/15/23 14:28*	*05/16/23 11:49*	*1*

Client Sample ID: B02-8
Date Collected: 05/03/23 13:30
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-8
Matrix: Solid
Percent Solids: 88.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	4.4	J	33	2.1	ug/Kg	☼	05/15/23 14:28	05/16/23 12:11	1
Acenaphthene	ND		33	3.1	ug/Kg	☼	05/15/23 14:28	05/16/23 12:11	1
Acenaphthylene	ND		33	2.6	ug/Kg	☼	05/15/23 14:28	05/16/23 12:11	1
Benzo[a]anthracene	ND		33	6.0	ug/Kg	☼	05/15/23 14:28	05/16/23 12:11	1
Benzo[a]pyrene	5.5	J	33	4.9	ug/Kg	☼	05/15/23 14:28	05/16/23 12:11	1
Benzo[b]fluoranthene	9.6	J	33	8.0	ug/Kg	☼	05/15/23 14:28	05/16/23 12:11	1
Benzo[g,h,i]perylene	ND		33	7.3	ug/Kg	☼	05/15/23 14:28	05/16/23 12:11	1
Benzo[k]fluoranthene	ND		33	6.7	ug/Kg	☼	05/15/23 14:28	05/16/23 12:11	1
Chrysene	8.2	J	33	6.7	ug/Kg	☼	05/15/23 14:28	05/16/23 12:11	1
Dibenz(a,h)anthracene	ND		33	8.7	ug/Kg	☼	05/15/23 14:28	05/16/23 12:11	1

Method: SW846 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Client Sample ID: B02-8
Date Collected: 05/03/23 13:30
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-8
Matrix: Solid
Percent Solids: 88.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	7.3	J	33	6.7	ug/Kg	☼	05/15/23 14:28	05/16/23 12:11	1
Fluorene	ND		33	3.1	ug/Kg	☼	05/15/23 14:28	05/16/23 12:11	1
Indeno[1,2,3-cd]pyrene	ND		33	7.3	ug/Kg	☼	05/15/23 14:28	05/16/23 12:11	1
Naphthalene	5.4	J	33	2.2	ug/Kg	☼	05/15/23 14:28	05/16/23 12:11	1
Phenanthrene	11	J	33	7.3	ug/Kg	☼	05/15/23 14:28	05/16/23 12:11	1
Pyrene	ND		33	7.3	ug/Kg	☼	05/15/23 14:28	05/16/23 12:11	1
Anthracene	ND		33	4.8	ug/Kg	☼	05/15/23 14:28	05/16/23 12:11	1
1-Methylnaphthalene	2.7	J	33	1.7	ug/Kg	☼	05/15/23 14:28	05/16/23 12:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*59*		*42 - 104*	*05/15/23 14:28*	*05/16/23 12:11*	*1*
Nitrobenzene-d5	*40*		*14 - 139*	*05/15/23 14:28*	*05/16/23 12:11*	*1*
Terphenyl-d14	*80*		*46 - 125*	*05/15/23 14:28*	*05/16/23 12:11*	*1*

Client Sample ID: DU07-230502-Native
Date Collected: 05/02/23 18:30
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		10	0.62	ug/Kg		05/15/23 14:28	05/16/23 12:33	1
Acenaphthene	ND		10	0.92	ug/Kg		05/15/23 14:28	05/16/23 12:33	1
Acenaphthylene	ND		10	0.78	ug/Kg		05/15/23 14:28	05/16/23 12:33	1
Benzo[a]anthracene	ND		10	1.8	ug/Kg		05/15/23 14:28	05/16/23 12:33	1
Benzo[a]pyrene	ND		10	1.5	ug/Kg		05/15/23 14:28	05/16/23 12:33	1
Benzo[b]fluoranthene	ND		10	2.4	ug/Kg		05/15/23 14:28	05/16/23 12:33	1
Benzo[g,h,i]perylene	ND		10	2.2	ug/Kg		05/15/23 14:28	05/16/23 12:33	1
Benzo[k]fluoranthene	ND		10	2.0	ug/Kg		05/15/23 14:28	05/16/23 12:33	1
Chrysene	ND		10	2.0	ug/Kg		05/15/23 14:28	05/16/23 12:33	1
Dibenz(a,h)anthracene	ND		10	2.6	ug/Kg		05/15/23 14:28	05/16/23 12:33	1
Fluoranthene	ND		10	2.0	ug/Kg		05/15/23 14:28	05/16/23 12:33	1
Fluorene	ND		10	0.94	ug/Kg		05/15/23 14:28	05/16/23 12:33	1
Indeno[1,2,3-cd]pyrene	ND		10	2.2	ug/Kg		05/15/23 14:28	05/16/23 12:33	1
Naphthalene	1.1	J	10	0.65	ug/Kg		05/15/23 14:28	05/16/23 12:33	1
Phenanthrene	ND		10	2.2	ug/Kg		05/15/23 14:28	05/16/23 12:33	1
Pyrene	ND		10	2.2	ug/Kg		05/15/23 14:28	05/16/23 12:33	1
Anthracene	ND		10	1.4	ug/Kg		05/15/23 14:28	05/16/23 12:33	1
1-Methylnaphthalene	ND		10	0.52	ug/Kg		05/15/23 14:28	05/16/23 12:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*46*		*42 - 104*	*05/15/23 14:28*	*05/16/23 12:33*	*1*
Nitrobenzene-d5	*45*		*14 - 139*	*05/15/23 14:28*	*05/16/23 12:33*	*1*
Terphenyl-d14	*55*		*46 - 125*	*05/15/23 14:28*	*05/16/23 12:33*	*1*

Client Sample ID: DU07-230502-Fill
Date Collected: 05/02/23 18:45
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-11
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	1.0	J	9.9	0.61	ug/Kg		05/15/23 14:28	05/16/23 12:56	1
Acenaphthene	ND		9.9	0.92	ug/Kg		05/15/23 14:28	05/16/23 12:56	1
Acenaphthylene	ND		9.9	0.77	ug/Kg		05/15/23 14:28	05/16/23 12:56	1
Benzo[a]anthracene	2.7	J	9.9	1.8	ug/Kg		05/15/23 14:28	05/16/23 12:56	1

Method: SW846 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Client Sample ID: DU07-230502-Fill
Date Collected: 05/02/23 18:45
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-11
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	2.6	J	9.9	1.5	ug/Kg		05/15/23 14:28	05/16/23 12:56	1
Benzo[b]fluoranthene	4.7	J	9.9	2.4	ug/Kg		05/15/23 14:28	05/16/23 12:56	1
Benzo[g,h,i]perylene	2.5	J	9.9	2.2	ug/Kg		05/15/23 14:28	05/16/23 12:56	1
Benzo[k]fluoranthene	ND		9.9	2.0	ug/Kg		05/15/23 14:28	05/16/23 12:56	1
Chrysene	4.0	J	9.9	2.0	ug/Kg		05/15/23 14:28	05/16/23 12:56	1
Dibenz(a,h)anthracene	ND		9.9	2.6	ug/Kg		05/15/23 14:28	05/16/23 12:56	1
Fluoranthene	4.5	J	9.9	2.0	ug/Kg		05/15/23 14:28	05/16/23 12:56	1
Fluorene	ND		9.9	0.93	ug/Kg		05/15/23 14:28	05/16/23 12:56	1
Indeno[1,2,3-cd]pyrene	ND		9.9	2.2	ug/Kg		05/15/23 14:28	05/16/23 12:56	1
Naphthalene	1.8	J	9.9	0.65	ug/Kg		05/15/23 14:28	05/16/23 12:56	1
Phenanthrene	3.4	J	9.9	2.2	ug/Kg		05/15/23 14:28	05/16/23 12:56	1
Pyrene	3.9	J	9.9	2.2	ug/Kg		05/15/23 14:28	05/16/23 12:56	1
Anthracene	ND		9.9	1.4	ug/Kg		05/15/23 14:28	05/16/23 12:56	1
1-Methylnaphthalene	0.62	J	9.9	0.52	ug/Kg		05/15/23 14:28	05/16/23 12:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*44*		*42 - 104*	*05/15/23 14:28*	*05/16/23 12:56*	*1*
Nitrobenzene-d5	*43*		*14 - 139*	*05/15/23 14:28*	*05/16/23 12:56*	*1*
Terphenyl-d14	*45*	*S1-*	*46 - 125*	*05/15/23 14:28*	*05/16/23 12:56*	*1*

Client Sample ID: DU04-SU01-230504-0.5
Date Collected: 05/04/23 14:45
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-13
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	16		9.9	0.61	ug/Kg		05/15/23 14:28	05/16/23 13:18	1
Acenaphthene	6.6	J	9.9	0.91	ug/Kg		05/15/23 14:28	05/16/23 13:18	1
Acenaphthylene	ND		9.9	0.76	ug/Kg		05/15/23 14:28	05/16/23 13:18	1
Benzo[a]anthracene	1.8	J	9.9	1.8	ug/Kg		05/15/23 14:28	05/16/23 13:18	1
Benzo[a]pyrene	ND		9.9	1.5	ug/Kg		05/15/23 14:28	05/16/23 13:18	1
Benzo[b]fluoranthene	ND		9.9	2.4	ug/Kg		05/15/23 14:28	05/16/23 13:18	1
Benzo[g,h,i]perylene	ND		9.9	2.2	ug/Kg		05/15/23 14:28	05/16/23 13:18	1
Benzo[k]fluoranthene	ND		9.9	2.0	ug/Kg		05/15/23 14:28	05/16/23 13:18	1
Chrysene	3.7	J	9.9	2.0	ug/Kg		05/15/23 14:28	05/16/23 13:18	1
Dibenz(a,h)anthracene	ND		9.9	2.6	ug/Kg		05/15/23 14:28	05/16/23 13:18	1
Fluoranthene	14		9.9	2.0	ug/Kg		05/15/23 14:28	05/16/23 13:18	1
Fluorene	4.5	J	9.9	0.93	ug/Kg		05/15/23 14:28	05/16/23 13:18	1
Indeno[1,2,3-cd]pyrene	ND		9.9	2.2	ug/Kg		05/15/23 14:28	05/16/23 13:18	1
Naphthalene	10		9.9	0.64	ug/Kg		05/15/23 14:28	05/16/23 13:18	1
Phenanthrene	26		9.9	2.2	ug/Kg		05/15/23 14:28	05/16/23 13:18	1
Pyrene	8.9	J	9.9	2.2	ug/Kg		05/15/23 14:28	05/16/23 13:18	1
Anthracene	ND		9.9	1.4	ug/Kg		05/15/23 14:28	05/16/23 13:18	1
1-Methylnaphthalene	7.9	J	9.9	0.51	ug/Kg		05/15/23 14:28	05/16/23 13:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*58*		*42 - 104*	*05/15/23 14:28*	*05/16/23 13:18*	*1*
Nitrobenzene-d5	*54*		*14 - 139*	*05/15/23 14:28*	*05/16/23 13:18*	*1*
Terphenyl-d14	*67*		*46 - 125*	*05/15/23 14:28*	*05/16/23 13:18*	*1*

Method: SW846 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Client Sample ID: DU06-SU03-230504-0.5
Date Collected: 05/04/23 15:30
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-14
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	14		10	0.62	ug/Kg		05/15/23 14:28	05/16/23 14:24	1
Acenaphthene	2.8	J	10	0.92	ug/Kg		05/15/23 14:28	05/16/23 14:24	1
Acenaphthylene	3.3	J	10	0.78	ug/Kg		05/15/23 14:28	05/16/23 14:24	1
Benzo[a]anthracene	8.5	J	10	1.8	ug/Kg		05/15/23 14:28	05/16/23 14:24	1
Benzo[a]pyrene	8.4	J	10	1.5	ug/Kg		05/15/23 14:28	05/16/23 14:24	1
Benzo[b]fluoranthene	15		10	2.4	ug/Kg		05/15/23 14:28	05/16/23 14:24	1
Benzo[g,h,i]perylene	13		10	2.2	ug/Kg		05/15/23 14:28	05/16/23 14:24	1
Benzo[k]fluoranthene	3.5	J	10	2.0	ug/Kg		05/15/23 14:28	05/16/23 14:24	1
Chrysene	17		10	2.0	ug/Kg		05/15/23 14:28	05/16/23 14:24	1
Dibenz(a,h)anthracene	ND		10	2.6	ug/Kg		05/15/23 14:28	05/16/23 14:24	1
Fluoranthene	17		10	2.0	ug/Kg		05/15/23 14:28	05/16/23 14:24	1
Fluorene	ND		10	0.94	ug/Kg		05/15/23 14:28	05/16/23 14:24	1
Indeno[1,2,3-cd]pyrene	8.9	J	10	2.2	ug/Kg		05/15/23 14:28	05/16/23 14:24	1
Naphthalene	8.0	J	10	0.65	ug/Kg		05/15/23 14:28	05/16/23 14:24	1
Phenanthrene	20		10	2.2	ug/Kg		05/15/23 14:28	05/16/23 14:24	1
Pyrene	24		10	2.2	ug/Kg		05/15/23 14:28	05/16/23 14:24	1
Anthracene	8.0	J	10	1.4	ug/Kg		05/15/23 14:28	05/16/23 14:24	1
1-Methylnaphthalene	6.6	J	10	0.52	ug/Kg		05/15/23 14:28	05/16/23 14:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*42 - 104*	*05/15/23 14:28*	*05/16/23 14:24*	*1*
Nitrobenzene-d5	*64*		*14 - 139*	*05/15/23 14:28*	*05/16/23 14:24*	*1*
Terphenyl-d14	*70*		*46 - 125*	*05/15/23 14:28*	*05/16/23 14:24*	*1*

Client Sample ID: DU02-230504-0.5
Date Collected: 05/04/23 17:00
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-18
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	1.9	J	10	0.62	ug/Kg		05/15/23 14:28	05/16/23 14:46	1
Acenaphthene	ND		10	0.92	ug/Kg		05/15/23 14:28	05/16/23 14:46	1
Acenaphthylene	1.7	J	10	0.78	ug/Kg		05/15/23 14:28	05/16/23 14:46	1
Benzo[a]anthracene	ND		10	1.8	ug/Kg		05/15/23 14:28	05/16/23 14:46	1
Benzo[a]pyrene	2.6	J	10	1.5	ug/Kg		05/15/23 14:28	05/16/23 14:46	1
Benzo[b]fluoranthene	2.9	J	10	2.4	ug/Kg		05/15/23 14:28	05/16/23 14:46	1
Benzo[g,h,i]perylene	2.7	J	10	2.2	ug/Kg		05/15/23 14:28	05/16/23 14:46	1
Benzo[k]fluoranthene	ND		10	2.0	ug/Kg		05/15/23 14:28	05/16/23 14:46	1
Chrysene	3.2	J	10	2.0	ug/Kg		05/15/23 14:28	05/16/23 14:46	1
Dibenz(a,h)anthracene	ND		10	2.6	ug/Kg		05/15/23 14:28	05/16/23 14:46	1
Fluorene	ND		10	0.94	ug/Kg		05/15/23 14:28	05/16/23 14:46	1
Indeno[1,2,3-cd]pyrene	2.2	J	10	2.2	ug/Kg		05/15/23 14:28	05/16/23 14:46	1
Naphthalene	7.5	J	10	0.65	ug/Kg		05/15/23 14:28	05/16/23 14:46	1
1-Methylnaphthalene	1.3	J	10	0.52	ug/Kg		05/15/23 14:28	05/16/23 14:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*42 - 104*	*05/15/23 14:28*	*05/16/23 14:46*	*1*
Nitrobenzene-d5	*68*		*14 - 139*	*05/15/23 14:28*	*05/16/23 14:46*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: DU01-230504-0.5
Date Collected: 05/04/23 16:15
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-15
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dichlorophenol	ND		330	22	ug/Kg		05/15/23 15:08	05/18/23 16:41	1
2,6-Dinitrotoluene	ND		330	28	ug/Kg		05/15/23 15:08	05/18/23 16:41	1
Aniline	ND	F2 *-	330	130	ug/Kg		05/15/23 15:08	05/18/23 16:41	1
Azobenzene	ND		330	22	ug/Kg		05/15/23 15:08	05/18/23 16:41	1
Benzaldehyde	ND		330	67	ug/Kg		05/15/23 15:08	05/18/23 16:41	1
Benzidine	ND	F1	3300	990	ug/Kg		05/15/23 15:08	05/18/23 16:41	1
Caprolactam	ND	F1	330	110	ug/Kg		05/15/23 15:08	05/18/23 16:41	1
Diphenylamine	ND		330	44	ug/Kg		05/15/23 15:08	05/18/23 16:41	1
N-Nitrosodimethylamine	ND		330	37	ug/Kg		05/15/23 15:08	05/18/23 16:41	1
Pyridine	ND	*-	660	40	ug/Kg		05/15/23 15:08	05/18/23 16:41	1
Hexadecane	ND		330	13	ug/Kg		05/15/23 15:08	05/18/23 16:41	1
1,2-Diphenylhydrazine(as Azobenzene)	ND		330	22	ug/Kg		05/15/23 15:08	05/18/23 16:41	1
3-Methylphenol	ND		330	33	ug/Kg		05/15/23 15:08	05/18/23 16:41	1
4-Methylphenol	ND		330	33	ug/Kg		05/15/23 15:08	05/18/23 16:41	1
Benzoic acid	ND	F2 F1 *-	1600	330	ug/Kg		05/15/23 15:08	05/18/23 16:41	1
Famphur	ND	F1	660	34	ug/Kg		05/15/23 15:08	05/18/23 16:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*90*		*33 - 135*	*05/15/23 15:08*	*05/18/23 16:41*	*1*
2-Fluorophenol (Surr)	*86*		*39 - 135*	*05/15/23 15:08*	*05/18/23 16:41*	*1*
2,4,6-Tribromophenol (Surr)	*95*		*24 - 135*	*05/15/23 15:08*	*05/18/23 16:41*	*1*
Nitrobenzene-d5 (Surr)	*83*		*32 - 135*	*05/15/23 15:08*	*05/18/23 16:41*	*1*
Phenol-d5 (Surr)	*91*		*39 - 135*	*05/15/23 15:08*	*05/18/23 16:41*	*1*
Terphenyl-d14 (Surr)	*107*		*30 - 135*	*05/15/23 15:08*	*05/18/23 16:41*	*1*

Client Sample ID: DU01-230504-0.5-Rep1
Date Collected: 05/04/23 16:25
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-16
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		320	27	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
1,2-Dichlorobenzene	ND		320	21	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
1,3-Dichlorobenzene	ND		320	12	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
2,2'-oxybis[1-chloropropane]	ND		320	22	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
2,4,5-Trichlorophenol	ND		320	9.6	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
2,4,6-Trichlorophenol	ND		320	9.6	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
2,4-Dimethylphenol	ND		320	63	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
2,4-Dinitrotoluene	ND		320	63	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
2,4-Dinitrophenol	ND	*+	1500	320	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
2,4-Dichlorophenol	ND		320	9.6	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
2-Chlorophenol	ND		320	20	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
2-Chloronaphthalene	ND		320	9.6	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
2-Nitrophenol	ND		320	9.6	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
2-Methylphenol	ND		320	13	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
2-Nitroaniline	ND		1500	48	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
3-Nitroaniline	ND		1500	70	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
4,6-Dinitro-2-methylphenol	ND		1500	320	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
4-Bromophenyl phenyl ether	ND		320	18	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
4-Chloro-3-methylphenol	ND	*+	320	24	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
4-Chloroaniline	ND		320	79	ug/Kg		05/15/23 15:08	05/18/23 17:46	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: DU01-230504-0.5-Rep1
Date Collected: 05/04/23 16:25
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-16
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		320	20	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
4-Nitrophenol	ND		1500	93	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
4-Nitroaniline	ND		1500	70	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
Acenaphthene	ND		320	9.9	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
Benzo[k]fluoranthene	ND	*+	320	38	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
Anthracene	ND		320	16	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
Acetophenone	ND		320	19	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
Acenaphthylene	ND		320	79	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
Benzo[a]anthracene	**22**	**J *+**	320	19	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
Benzo[b]fluoranthene	**170**	**J *+**	320	25	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
Benzo[g,h,i]perylene	ND		320	15	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
Benzo[a]pyrene	**76**	**J**	320	19	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
Benzyl alcohol	ND		320	9.6	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
Bis(2-chloroethoxy)methane	ND	*+	320	22	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
Bis(2-chloroethyl)ether	ND	*+	320	16	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
Bis(2-ethylhexyl) phthalate	ND	*+	320	44	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
Butyl benzyl phthalate	ND	*+	320	41	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
Carbazole	ND		320	35	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
Chrysene	ND		320	26	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
Dibenz(a,h)anthracene	ND	*+	320	18	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
Di-n-butyl phthalate	ND	*+	320	28	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
Di-n-octyl phthalate	ND		320	39	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
Dibenzofuran	ND		320	19	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
Diethyl phthalate	ND		630	25	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
Dimethyl phthalate	ND		320	22	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
Fluoranthene	ND		320	35	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
Fluorene	ND		320	17	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
Hexachlorobenzene	ND		320	28	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
Hexachlorobutadiene	ND		320	9.6	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
Hexachlorocyclopentadiene	ND	*+	1500	110	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
Hexachloroethane	ND		320	20	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
Indeno[1,2,3-cd]pyrene	ND		320	21	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
Isophorone	ND		320	16	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
N-Nitrosodi-n-propylamine	ND		320	65	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
N-Nitrosodiphenylamine	ND	*+	320	20	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
Pentachlorophenol	ND		1500	320	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
Phenanthrene	ND		320	16	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
Phenol	ND		320	17	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
Pyrene	**20**	**J**	320	12	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
1,4-Dichlorobenzene	ND		320	13	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
Naphthalene	ND		320	30	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
2-Methylnaphthalene	ND		320	18	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
Nitrobenzene	ND		320	21	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
3,3'-Dichlorobenzidine	ND	*-	630	87	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
3 & 4 Methylphenol	ND		320	32	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
1,1'-Biphenyl	ND		320	23	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
1,2,4,5-Tetrachlorobenzene	ND		320	47	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
1,3-Dinitrobenzene	ND		320	68	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
1-Methylnaphthalene	ND		320	11	ug/Kg		05/15/23 15:08	05/18/23 17:46	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: DU01-230504-0.5-Rep1
Date Collected: 05/04/23 16:25
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-16
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,4,6-Tetrachlorophenol	ND		1500	130	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
2,6-Dichlorophenol	ND		320	22	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
2,6-Dinitrotoluene	ND		320	27	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
Aniline	ND	*-	320	130	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
Azobenzene	ND		320	21	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
Benzaldehyde	ND		320	64	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
Benzidine	ND		3200	950	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
Caprolactam	ND		320	100	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
Diphenylamine	ND		320	42	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
N-Nitrosodimethylamine	ND		320	36	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
Pyridine	ND	*-	630	38	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
Hexadecane	ND		320	13	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
1,2-Diphenylhydrazine(as Azobenzene)	ND		320	21	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
3-Methylphenol	ND		320	32	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
4-Methylphenol	ND		320	32	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
Benzoic acid	ND	*-	1500	320	ug/Kg		05/15/23 15:08	05/18/23 17:46	1
Famphur	ND		630	33	ug/Kg		05/15/23 15:08	05/18/23 17:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*95*		*33 - 135*	*05/15/23 15:08*	*05/18/23 17:46*	*1*
2-Fluorophenol (Surr)	*91*		*39 - 135*	*05/15/23 15:08*	*05/18/23 17:46*	*1*
2,4,6-Tribromophenol (Surr)	*93*		*24 - 135*	*05/15/23 15:08*	*05/18/23 17:46*	*1*
Nitrobenzene-d5 (Surr)	*90*		*32 - 135*	*05/15/23 15:08*	*05/18/23 17:46*	*1*
Phenol-d5 (Surr)	*98*		*39 - 135*	*05/15/23 15:08*	*05/18/23 17:46*	*1*
Terphenyl-d14 (Surr)	*112*		*30 - 135*	*05/15/23 15:08*	*05/18/23 17:46*	*1*

Client Sample ID: DU01-230504-0.5-Rep2
Date Collected: 05/04/23 16:35
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-17
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		330	28	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
1,2-Dichlorobenzene	ND		330	22	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
1,3-Dichlorobenzene	ND		330	12	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
2,2'-oxybis[1-chloropropane]	ND		330	23	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
2,4,5-Trichlorophenol	ND		330	10	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
2,4,6-Trichlorophenol	ND		330	10	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
2,4-Dimethylphenol	ND		330	66	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
2,4-Dinitrotoluene	ND		330	66	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
2,4-Dinitrophenol	ND	*+	1600	330	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
2,4-Dichlorophenol	ND		330	10	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
2-Chlorophenol	ND		330	21	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
2-Chloronaphthalene	ND		330	10	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
2-Nitrophenol	ND		330	10	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
2-Methylphenol	ND		330	13	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
2-Nitroaniline	ND		1600	50	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
3-Nitroaniline	ND		1600	73	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
4,6-Dinitro-2-methylphenol	ND		1600	330	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
4-Bromophenyl phenyl ether	ND		330	19	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
4-Chloro-3-methylphenol	ND	*+	330	25	ug/Kg		05/15/23 15:08	05/18/23 18:07	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: DU01-230504-0.5-Rep2
Date Collected: 05/04/23 16:35
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-17
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloroaniline	ND		330	82	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
4-Chlorophenyl phenyl ether	ND		330	21	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
4-Nitrophenol	ND		1600	97	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
4-Nitroaniline	ND		1600	73	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
Acenaphthene	ND		330	10	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
Benzo[k]fluoranthene	ND	*+	330	40	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
Anthracene	ND		330	17	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
Acetophenone	ND		330	20	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
Acenaphthylene	ND		330	82	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
Benzo[a]anthracene	**32**	**J *+**	330	20	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
Benzo[b]fluoranthene	**200**	**J *+**	330	26	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
Benzo[g,h,i]perylene	ND		330	16	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
Benzo[a]pyrene	**87**	**J**	330	20	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
Benzyl alcohol	ND		330	10	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
Bis(2-chloroethoxy)methane	ND	*+	330	23	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
Bis(2-chloroethyl)ether	ND	*+	330	17	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
Bis(2-ethylhexyl) phthalate	ND	*+	330	46	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
Butyl benzyl phthalate	ND	*+	330	43	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
Carbazole	ND		330	36	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
Chrysene	**32**	**J**	330	27	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
Dibenz(a,h)anthracene	ND	*+	330	19	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
Di-n-butyl phthalate	ND	*+	330	29	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
Di-n-octyl phthalate	ND		330	41	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
Dibenzofuran	ND		330	20	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
Diethyl phthalate	ND		660	26	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
Dimethyl phthalate	ND		330	23	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
Fluoranthene	ND		330	36	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
Fluorene	ND		330	18	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
Hexachlorobenzene	ND		330	29	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
Hexachlorobutadiene	ND		330	10	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
Hexachlorocyclopentadiene	ND	*+	1600	110	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
Hexachloroethane	ND		330	21	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
Indeno[1,2,3-cd]pyrene	ND		330	22	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
Isophorone	ND		330	17	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
N-Nitrosodi-n-propylamine	ND		330	68	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
N-Nitrosodiphenylamine	ND	*+	330	21	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
Pentachlorophenol	ND		1600	330	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
Phenanthrene	ND		330	17	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
Phenol	ND		330	18	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
Pyrene	**25**	**J**	330	12	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
1,4-Dichlorobenzene	ND		330	14	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
Naphthalene	ND		330	31	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
2-Methylnaphthalene	ND		330	19	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
Nitrobenzene	ND		330	22	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
3,3'-Dichlorobenzidine	ND	*-	660	90	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
3 & 4 Methylphenol	ND		330	33	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
1,1'-Biphenyl	ND		330	24	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
1,2,4,5-Tetrachlorobenzene	ND		330	49	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
1,3-Dinitrobenzene	ND		330	71	ug/Kg		05/15/23 15:08	05/18/23 18:07	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: DU01-230504-0.5-Rep2
Date Collected: 05/04/23 16:35
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-17
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		330	11	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
2,3,4,6-Tetrachlorophenol	ND		1600	140	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
2,6-Dichlorophenol	ND		330	22	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
2,6-Dinitrotoluene	ND		330	28	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
Aniline	ND	*-	330	130	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
Azobenzene	ND		330	22	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
Benzaldehyde	ND		330	67	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
Benzidine	ND		3300	990	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
Caprolactam	ND		330	110	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
Diphenylamine	ND		330	44	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
N-Nitrosodimethylamine	ND		330	37	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
Pyridine	ND	*-	660	40	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
Hexadecane	ND		330	13	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
1,2-Diphenylhydrazine(as Azobenzene)	ND		330	22	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
3-Methylphenol	ND		330	33	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
4-Methylphenol	ND		330	33	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
Benzoic acid	ND	*-	1600	330	ug/Kg		05/15/23 15:08	05/18/23 18:07	1
Famphur	ND		660	34	ug/Kg		05/15/23 15:08	05/18/23 18:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*101*		*33 - 135*	*05/15/23 15:08*	*05/18/23 18:07*	*1*
2-Fluorophenol (Surr)	*94*		*39 - 135*	*05/15/23 15:08*	*05/18/23 18:07*	*1*
2,4,6-Tribromophenol (Surr)	*100*		*24 - 135*	*05/15/23 15:08*	*05/18/23 18:07*	*1*
Nitrobenzene-d5 (Surr)	*92*		*32 - 135*	*05/15/23 15:08*	*05/18/23 18:07*	*1*
Phenol-d5 (Surr)	*105*		*39 - 135*	*05/15/23 15:08*	*05/18/23 18:07*	*1*
Terphenyl-d14 (Surr)	*112*		*30 - 135*	*05/15/23 15:08*	*05/18/23 18:07*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: DU05-SU06-230505-COMP01
Date Collected: 05/05/23 10:20
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-3
Matrix: Solid
Percent Solids: 82.7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1221	ND		340	110	ug/Kg	☼	05/15/23 14:22	05/17/23 18:47	1
PCB-1016	ND		240	75	ug/Kg	☼	05/15/23 14:22	05/17/23 18:47	1
PCB-1232	ND		240	37	ug/Kg	☼	05/15/23 14:22	05/17/23 18:47	1
PCB-1242	ND		240	66	ug/Kg	☼	05/15/23 14:22	05/17/23 18:47	1
PCB-1248	ND		240	58	ug/Kg	☼	05/15/23 14:22	05/17/23 18:47	1
PCB-1254	ND		240	40	ug/Kg	☼	05/15/23 14:22	05/17/23 18:47	1
PCB-1260	ND		240	61	ug/Kg	☼	05/15/23 14:22	05/17/23 18:47	1
PCB-1262	ND		240	20	ug/Kg	☼	05/15/23 14:22	05/17/23 18:47	1
PCB-1268	ND		240	74	ug/Kg	☼	05/15/23 14:22	05/17/23 18:47	1
Polychlorinated biphenyls, Total	ND		240	8.4	ug/Kg	☼	05/15/23 14:22	05/17/23 18:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*111*		*53 - 128*	*05/15/23 14:22*	*05/17/23 18:47*	*1*
DCB Decachlorobiphenyl	*87*		*59 - 130*	*05/15/23 14:22*	*05/17/23 18:47*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: DU05-SU06-230505-COMP02
Date Collected: 05/05/23 10:25
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-4
Matrix: Solid
Percent Solids: 83.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1221	ND		340	110	ug/Kg	☼	05/15/23 14:22	05/17/23 19:06	1
PCB-1016	ND		240	74	ug/Kg	☼	05/15/23 14:22	05/17/23 19:06	1
PCB-1232	ND		240	37	ug/Kg	☼	05/15/23 14:22	05/17/23 19:06	1
PCB-1242	ND		240	65	ug/Kg	☼	05/15/23 14:22	05/17/23 19:06	1
PCB-1248	ND		240	57	ug/Kg	☼	05/15/23 14:22	05/17/23 19:06	1
PCB-1254	ND		240	40	ug/Kg	☼	05/15/23 14:22	05/17/23 19:06	1
PCB-1260	ND		240	61	ug/Kg	☼	05/15/23 14:22	05/17/23 19:06	1
PCB-1262	ND		240	20	ug/Kg	☼	05/15/23 14:22	05/17/23 19:06	1
PCB-1268	ND		240	74	ug/Kg	☼	05/15/23 14:22	05/17/23 19:06	1
Polychlorinated biphenyls, Total	ND		240	8.4	ug/Kg	☼	05/15/23 14:22	05/17/23 19:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*110*		*53 - 128*	*05/15/23 14:22*	*05/17/23 19:06*	*1*
DCB Decachlorobiphenyl	*85*		*59 - 130*	*05/15/23 14:22*	*05/17/23 19:06*	*1*

Client Sample ID: DU07-230502-Native
Date Collected: 05/02/23 18:30
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1221	ND		92	31	ug/Kg		05/15/23 14:22	05/17/23 19:24	1
PCB-1016	ND		65	20	ug/Kg		05/15/23 14:22	05/17/23 19:24	1
PCB-1232	ND		65	10	ug/Kg		05/15/23 14:22	05/17/23 19:24	1
PCB-1242	ND		65	18	ug/Kg		05/15/23 14:22	05/17/23 19:24	1
PCB-1248	ND		65	16	ug/Kg		05/15/23 14:22	05/17/23 19:24	1
PCB-1254	ND		65	11	ug/Kg		05/15/23 14:22	05/17/23 19:24	1
PCB-1260	ND		65	17	ug/Kg		05/15/23 14:22	05/17/23 19:24	1
PCB-1262	ND		65	5.4	ug/Kg		05/15/23 14:22	05/17/23 19:24	1
PCB-1268	ND		65	20	ug/Kg		05/15/23 14:22	05/17/23 19:24	1
Polychlorinated biphenyls, Total	ND		65	2.3	ug/Kg		05/15/23 14:22	05/17/23 19:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*91*		*53 - 128*	*05/15/23 14:22*	*05/17/23 19:24*	*1*
DCB Decachlorobiphenyl	*101*		*59 - 130*	*05/15/23 14:22*	*05/17/23 19:24*	*1*

Client Sample ID: DU07-230502-Fill
Date Collected: 05/02/23 18:45
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-11
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1221	ND		87	29	ug/Kg		05/15/23 14:22	05/17/23 19:43	1
PCB-1016	ND		61	19	ug/Kg		05/15/23 14:22	05/17/23 19:43	1
PCB-1232	ND		61	9.4	ug/Kg		05/15/23 14:22	05/17/23 19:43	1
PCB-1242	ND		61	17	ug/Kg		05/15/23 14:22	05/17/23 19:43	1
PCB-1248	ND		61	15	ug/Kg		05/15/23 14:22	05/17/23 19:43	1
PCB-1254	ND		61	10	ug/Kg		05/15/23 14:22	05/17/23 19:43	1
PCB-1260	ND		61	16	ug/Kg		05/15/23 14:22	05/17/23 19:43	1
PCB-1262	ND		61	5.0	ug/Kg		05/15/23 14:22	05/17/23 19:43	1
PCB-1268	ND		61	19	ug/Kg		05/15/23 14:22	05/17/23 19:43	1
Polychlorinated biphenyls, Total	ND		61	2.1	ug/Kg		05/15/23 14:22	05/17/23 19:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*97*		*53 - 128*	*05/15/23 14:22*	*05/17/23 19:43*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Client Sample ID: DU05-SU06-230505-COMP01
Date Collected: 05/05/23 10:20
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-3
Matrix: Solid
Percent Solids: 82.7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	22	J	61	15	mg/Kg	☼	05/12/23 13:28	05/15/23 17:57	1
Motor Oil (>C24-C36)	310		61	21	mg/Kg	☼	05/12/23 13:28	05/15/23 17:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*70*		*50 - 150*	*05/12/23 13:28*	*05/15/23 17:57*	*1*

Client Sample ID: DU05-SU06-230505-COMP02
Date Collected: 05/05/23 10:25
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-4
Matrix: Solid
Percent Solids: 83.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	18	J	56	14	mg/Kg	☼	05/12/23 13:28	05/15/23 18:37	1
Motor Oil (>C24-C36)	240		56	19	mg/Kg	☼	05/12/23 13:28	05/15/23 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*70*		*50 - 150*	*05/12/23 13:28*	*05/15/23 18:37*	*1*

Client Sample ID: B03-19GW
Date Collected: 05/03/23 14:00
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	0.25		0.11	0.066	mg/L		05/11/23 09:43	05/11/23 21:30	1
Motor Oil (>C24-C36)	0.72		0.36	0.098	mg/L		05/11/23 09:43	05/11/23 21:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*66*		*50 - 150*	*05/11/23 09:43*	*05/11/23 21:30*	*1*

Client Sample ID: B02-15GW
Date Collected: 05/03/23 15:00
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	2.3		0.11	0.065	mg/L		05/11/23 09:43	05/11/23 21:11	1
Motor Oil (>C24-C36)	4.2		0.35	0.096	mg/L		05/11/23 09:43	05/11/23 21:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*67*		*50 - 150*	*05/11/23 09:43*	*05/11/23 21:11*	*1*

Client Sample ID: B03-17
Date Collected: 05/03/23 13:15
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-7
Matrix: Solid
Percent Solids: 86.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		58	14	mg/Kg	☼	05/12/23 13:28	05/15/23 18:57	1
Motor Oil (>C24-C36)	28	J	58	20	mg/Kg	☼	05/12/23 13:28	05/15/23 18:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*72*		*50 - 150*	*05/12/23 13:28*	*05/15/23 18:57*	*1*

Client Sample ID: B02-8
Date Collected: 05/03/23 13:30
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-8
Matrix: Solid
Percent Solids: 88.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	66		56	14	mg/Kg	☼	05/12/23 13:28	05/15/23 19:16	1
Motor Oil (>C24-C36)	190		56	20	mg/Kg	☼	05/12/23 13:28	05/15/23 19:16	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	73		50 - 150	05/12/23 13:28	05/15/23 19:16	1

Client Sample ID: DU07-230502-Native
Date Collected: 05/02/23 18:30
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND	H	49	12	mg/Kg		05/18/23 14:28	05/30/23 13:27	1
Motor Oil (>C24-C36)	ND	H	49	17	mg/Kg		05/18/23 14:28	05/30/23 13:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	61		50 - 150	05/18/23 14:28	05/30/23 13:27	1

Client Sample ID: DU07-230502-Fill
Date Collected: 05/02/23 18:45
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-11
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND	H	48	12	mg/Kg		05/18/23 14:28	05/30/23 14:05	1
Motor Oil (>C24-C36)	41	J H	48	17	mg/Kg		05/18/23 14:28	05/30/23 14:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	64		50 - 150	05/18/23 14:28	05/30/23 14:05	1

Client Sample ID: DU04-SU01-230504-0.5
Date Collected: 05/04/23 14:45
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-13
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	56		49	12	mg/Kg		05/18/23 14:28	05/30/23 14:24	1
Motor Oil (>C24-C36)	350		49	17	mg/Kg		05/18/23 14:28	05/30/23 14:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	63		50 - 150	05/18/23 14:28	05/30/23 14:24	1

Client Sample ID: DU06-SU03-230504-0.5
Date Collected: 05/04/23 15:30
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-14
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	280		47	12	mg/Kg		05/18/23 14:28	05/30/23 14:43	1
Motor Oil (>C24-C36)	2200		47	16	mg/Kg		05/18/23 14:28	05/30/23 14:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	75		50 - 150	05/18/23 14:28	05/30/23 14:43	1

Client Sample ID: DU01-230504-0.5
Date Collected: 05/04/23 16:15
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-15
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	15	J	49	12	mg/Kg		05/18/23 14:28	05/30/23 15:02	1
Motor Oil (>C24-C36)	180		49	17	mg/Kg		05/18/23 14:28	05/30/23 15:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	63		50 - 150	05/18/23 14:28	05/30/23 15:02	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Client Sample ID: DU01-230504-0.5-Rep1
Date Collected: 05/04/23 16:25
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-16
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	16	J	49	12	mg/Kg		05/18/23 14:28	05/30/23 15:39	1
Motor Oil (>C24-C36)	200		49	17	mg/Kg		05/18/23 14:28	05/30/23 15:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*67*		*50 - 150*	*05/18/23 14:28*	*05/30/23 15:39*	*1*

Client Sample ID: DU01-230504-0.5-Rep2
Date Collected: 05/04/23 16:35
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-17
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	15	J	49	12	mg/Kg		05/18/23 14:28	05/30/23 15:58	1
Motor Oil (>C24-C36)	190		49	17	mg/Kg		05/18/23 14:28	05/30/23 15:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*66*		*50 - 150*	*05/18/23 14:28*	*05/30/23 15:58*	*1*

Client Sample ID: DU02-230504-0.5
Date Collected: 05/04/23 17:00
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-18
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	12	J	49	12	mg/Kg		05/18/23 14:28	05/30/23 16:17	1
Motor Oil (>C24-C36)	110		49	17	mg/Kg		05/18/23 14:28	05/30/23 16:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*63*		*50 - 150*	*05/18/23 14:28*	*05/30/23 16:17*	*1*

Client Sample ID: DU06-SU04-230505-0.5
Date Collected: 05/05/23 10:45
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-20
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	62		46	11	mg/Kg		05/18/23 14:28	05/30/23 16:36	1
Motor Oil (>C24-C36)	360		46	16	mg/Kg		05/18/23 14:28	05/30/23 16:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*68*		*50 - 150*	*05/18/23 14:28*	*05/30/23 16:36*	*1*

Client Sample ID: DU03-230505-0.5
Date Collected: 05/05/23 11:15
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-21
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	35	J	47	12	mg/Kg		05/18/23 14:28	05/30/23 21:03	1
Motor Oil (>C24-C36)	360		47	17	mg/Kg		05/18/23 14:28	05/30/23 21:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*64*		*50 - 150*	*05/18/23 14:28*	*05/30/23 21:03*	*1*

Client Sample ID: DU03-230505-0.5-Rep1
Date Collected: 05/05/23 11:20
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-22
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	27	J	50	12	mg/Kg		05/18/23 14:28	05/30/23 21:41	1
Motor Oil (>C24-C36)	300		50	18	mg/Kg		05/18/23 14:28	05/30/23 21:41	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	65		50 - 150	05/18/23 14:28	05/30/23 21:41	1

Client Sample ID: DU03-230505-0.5-Rep2
Date Collected: 05/05/23 11:25
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-23
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	35	J	49	12	mg/Kg		05/18/23 14:28	05/30/23 22:00	1
Motor Oil (>C24-C36)	360		49	17	mg/Kg		05/18/23 14:28	05/30/23 22:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	65		50 - 150	05/18/23 14:28	05/30/23 22:00	1

Method: SW846 6010D - Metals (ICP)

Client Sample ID: DU05-SU06-230505-COMP01
Date Collected: 05/05/23 10:20
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-3
Matrix: Solid
Percent Solids: 82.7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.89	0.14	mg/Kg	☼	05/11/23 14:40	05/15/23 13:13	1
Arsenic	1.1	J	1.8	0.59	mg/Kg	☼	05/11/23 14:40	05/15/23 13:13	1
Barium	44		0.89	0.26	mg/Kg	☼	05/11/23 14:40	05/15/23 13:13	1
Cadmium	ND		0.45	0.037	mg/Kg	☼	05/11/23 14:40	05/15/23 13:13	1
Chromium	7.6		1.3	0.11	mg/Kg	☼	05/11/23 14:40	05/15/23 13:13	1
Lead	4.3		0.80	0.28	mg/Kg	☼	05/11/23 14:40	05/15/23 13:13	1
Selenium	ND		1.6	0.77	mg/Kg	☼	05/11/23 14:40	05/15/23 13:13	1

Client Sample ID: DU05-SU06-230505-COMP02
Date Collected: 05/05/23 10:25
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-4
Matrix: Solid
Percent Solids: 83.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.87	0.14	mg/Kg	☼	05/11/23 14:40	05/15/23 13:17	1
Arsenic	1.5	J	1.7	0.58	mg/Kg	☼	05/11/23 14:40	05/15/23 13:17	1
Barium	57		0.87	0.26	mg/Kg	☼	05/11/23 14:40	05/15/23 13:17	1
Cadmium	ND		0.43	0.036	mg/Kg	☼	05/11/23 14:40	05/15/23 13:17	1
Chromium	11		1.3	0.11	mg/Kg	☼	05/11/23 14:40	05/15/23 13:17	1
Lead	5.9		0.78	0.27	mg/Kg	☼	05/11/23 14:40	05/15/23 13:17	1
Selenium	ND		1.6	0.75	mg/Kg	☼	05/11/23 14:40	05/15/23 13:17	1

Client Sample ID: B03-17
Date Collected: 05/03/23 13:15
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-7
Matrix: Solid
Percent Solids: 86.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.9		0.71	0.24	mg/Kg	☼	05/16/23 15:07	05/19/23 05:30	1

Client Sample ID: B02-8
Date Collected: 05/03/23 13:30
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-8
Matrix: Solid
Percent Solids: 88.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.9		0.69	0.24	mg/Kg	☼	05/16/23 15:07	05/19/23 05:34	1

Method: SW846 6010D - Metals (ICP)

Client Sample ID: DU07-230502-Native
Date Collected: 05/02/23 18:30
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.73	0.12	mg/Kg		05/22/23 07:43	05/22/23 21:40	1
Arsenic	2.3		1.5	0.49	mg/Kg		05/22/23 07:43	05/22/23 21:40	1
Barium	81		0.73	0.22	mg/Kg		05/22/23 07:43	05/22/23 21:40	1
Cadmium	ND		0.37	0.030	mg/Kg		05/22/23 07:43	05/22/23 21:40	1
Chromium	20	B	1.1	0.090	mg/Kg		05/22/23 07:43	05/22/23 21:40	1
Lead	3.4		0.66	0.23	mg/Kg		05/22/23 07:43	05/22/23 21:40	1
Selenium	ND		1.3	0.63	mg/Kg		05/22/23 07:43	05/22/23 21:40	1

Client Sample ID: DU07-230502-Fill
Date Collected: 05/02/23 18:45
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-11
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.75	0.12	mg/Kg		05/22/23 07:43	05/22/23 22:00	1
Arsenic	4.9		1.5	0.50	mg/Kg		05/22/23 07:43	05/22/23 22:00	1
Barium	200		0.75	0.22	mg/Kg		05/22/23 07:43	05/22/23 22:00	1
Cadmium	0.045	J	0.37	0.031	mg/Kg		05/22/23 07:43	05/22/23 22:00	1
Chromium	31	B	1.1	0.092	mg/Kg		05/22/23 07:43	05/22/23 22:00	1
Lead	9.4		0.67	0.23	mg/Kg		05/22/23 07:43	05/22/23 22:00	1
Selenium	ND		1.3	0.64	mg/Kg		05/22/23 07:43	05/22/23 22:00	1

Client Sample ID: DU04-SU01-230504-0.5
Date Collected: 05/04/23 14:45
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-13
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	9.5		0.67	0.23	mg/Kg		05/22/23 07:43	05/22/23 22:21	1

Client Sample ID: DU06-SU03-230504-0.5
Date Collected: 05/04/23 15:30
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-14
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.72	0.12	mg/Kg		05/22/23 07:43	05/22/23 22:33	1
Arsenic	2.2		1.4	0.48	mg/Kg		05/22/23 07:43	05/22/23 22:33	1
Barium	57		0.72	0.21	mg/Kg		05/22/23 07:43	05/22/23 22:33	1
Cadmium	0.13	J	0.36	0.030	mg/Kg		05/22/23 07:43	05/22/23 22:33	1
Chromium	14	B	1.1	0.089	mg/Kg		05/22/23 07:43	05/22/23 22:33	1
Lead	20		0.65	0.22	mg/Kg		05/22/23 07:43	05/22/23 22:33	1
Selenium	ND		1.3	0.62	mg/Kg		05/22/23 07:43	05/22/23 22:33	1

Client Sample ID: DU01-230504-0.5
Date Collected: 05/04/23 16:15
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-15
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.80	0.13	mg/Kg		05/22/23 07:43	05/22/23 22:45	1
Arsenic	2.3		1.6	0.53	mg/Kg		05/22/23 07:43	05/22/23 22:45	1
Barium	51		0.80	0.24	mg/Kg		05/22/23 07:43	05/22/23 22:45	1
Cadmium	0.038	J	0.40	0.033	mg/Kg		05/22/23 07:43	05/22/23 22:45	1
Chromium	12	B	1.2	0.099	mg/Kg		05/22/23 07:43	05/22/23 22:45	1
Lead	5.2		0.72	0.25	mg/Kg		05/22/23 07:43	05/22/23 22:45	1
Selenium	ND		1.4	0.69	mg/Kg		05/22/23 07:43	05/22/23 22:45	1

Method: SW846 6010D - Metals (ICP)

Client Sample ID: DU01-230504-0.5-Rep1
Date Collected: 05/04/23 16:25
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-16
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.71	0.11	mg/Kg		05/22/23 07:43	05/22/23 23:13	1
Arsenic	2.3		1.4	0.47	mg/Kg		05/22/23 07:43	05/22/23 23:13	1
Barium	56		0.71	0.21	mg/Kg		05/22/23 07:43	05/22/23 23:13	1
Cadmium	0.035	J	0.35	0.029	mg/Kg		05/22/23 07:43	05/22/23 23:13	1
Chromium	13	B	1.1	0.087	mg/Kg		05/22/23 07:43	05/22/23 23:13	1
Lead	4.8		0.64	0.22	mg/Kg		05/22/23 07:43	05/22/23 23:13	1
Selenium	ND		1.3	0.61	mg/Kg		05/22/23 07:43	05/22/23 23:13	1

Client Sample ID: DU01-230504-0.5-Rep2
Date Collected: 05/04/23 16:35
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-17
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.73	0.12	mg/Kg		05/22/23 07:43	05/22/23 23:18	1
Arsenic	2.2		1.5	0.49	mg/Kg		05/22/23 07:43	05/22/23 23:18	1
Barium	53		0.73	0.22	mg/Kg		05/22/23 07:43	05/22/23 23:18	1
Cadmium	ND		0.37	0.030	mg/Kg		05/22/23 07:43	05/22/23 23:18	1
Chromium	11	B	1.1	0.090	mg/Kg		05/22/23 07:43	05/22/23 23:18	1
Lead	4.2		0.66	0.23	mg/Kg		05/22/23 07:43	05/22/23 23:18	1
Selenium	ND		1.3	0.63	mg/Kg		05/22/23 07:43	05/22/23 23:18	1

Client Sample ID: DU02-230504-0.5
Date Collected: 05/04/23 17:00
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-18
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.76	0.12	mg/Kg		05/22/23 07:43	05/22/23 23:22	1
Arsenic	2.9		1.5	0.51	mg/Kg		05/22/23 07:43	05/22/23 23:22	1
Barium	110		0.76	0.23	mg/Kg		05/22/23 07:43	05/22/23 23:22	1
Cadmium	0.058	J	0.38	0.031	mg/Kg		05/22/23 07:43	05/22/23 23:22	1
Chromium	22	B	1.1	0.094	mg/Kg		05/22/23 07:43	05/22/23 23:22	1
Lead	11		0.69	0.24	mg/Kg		05/22/23 07:43	05/22/23 23:22	1
Selenium	ND		1.4	0.66	mg/Kg		05/22/23 07:43	05/22/23 23:22	1

Client Sample ID: DU06-SU04-230505-0.5
Date Collected: 05/05/23 10:45
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-20
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.67	0.11	mg/Kg		05/22/23 07:43	05/22/23 23:26	1
Arsenic	2.3		1.3	0.44	mg/Kg		05/22/23 07:43	05/22/23 23:26	1
Barium	49		0.67	0.20	mg/Kg		05/22/23 07:43	05/22/23 23:26	1
Cadmium	0.11	J	0.33	0.027	mg/Kg		05/22/23 07:43	05/22/23 23:26	1
Chromium	21	B	1.0	0.082	mg/Kg		05/22/23 07:43	05/22/23 23:26	1
Lead	20		0.60	0.21	mg/Kg		05/22/23 07:43	05/22/23 23:26	1
Selenium	ND		1.2	0.58	mg/Kg		05/22/23 07:43	05/22/23 23:26	1

Client Sample ID: DU03-230505-0.5
Date Collected: 05/05/23 11:15
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-21
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.68	0.11	mg/Kg		05/22/23 07:43	05/22/23 23:30	1
Arsenic	2.2		1.4	0.46	mg/Kg		05/22/23 07:43	05/22/23 23:30	1

Method: SW846 6010D - Metals (ICP) (Continued)

Client Sample ID: DU03-230505-0.5
Date Collected: 05/05/23 11:15
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-21
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	75		0.68	0.20	mg/Kg		05/22/23 07:43	05/22/23 23:30	1
Cadmium	0.047	J	0.34	0.028	mg/Kg		05/22/23 07:43	05/22/23 23:30	1
Chromium	15	B	1.0	0.084	mg/Kg		05/22/23 07:43	05/22/23 23:30	1
Lead	8.2		0.62	0.21	mg/Kg		05/22/23 07:43	05/22/23 23:30	1
Selenium	ND		1.2	0.59	mg/Kg		05/22/23 07:43	05/22/23 23:30	1

Client Sample ID: DU03-230505-0.5-Rep1
Date Collected: 05/05/23 11:20
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-22
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.76	0.12	mg/Kg		05/22/23 07:43	05/22/23 23:34	1
Arsenic	2.3		1.5	0.50	mg/Kg		05/22/23 07:43	05/22/23 23:34	1
Barium	95		0.76	0.22	mg/Kg		05/22/23 07:43	05/22/23 23:34	1
Cadmium	0.046	J	0.38	0.031	mg/Kg		05/22/23 07:43	05/22/23 23:34	1
Chromium	18	B	1.1	0.093	mg/Kg		05/22/23 07:43	05/22/23 23:34	1
Lead	7.5		0.68	0.24	mg/Kg		05/22/23 07:43	05/22/23 23:34	1
Selenium	ND		1.4	0.65	mg/Kg		05/22/23 07:43	05/22/23 23:34	1

Client Sample ID: DU03-230505-0.5-Rep2
Date Collected: 05/05/23 11:25
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-23
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.72	0.12	mg/Kg		05/22/23 07:43	05/22/23 23:38	1
Arsenic	2.3		1.4	0.48	mg/Kg		05/22/23 07:43	05/22/23 23:38	1
Barium	98		0.72	0.21	mg/Kg		05/22/23 07:43	05/22/23 23:38	1
Cadmium	0.059	J	0.36	0.030	mg/Kg		05/22/23 07:43	05/22/23 23:38	1
Chromium	18	B	1.1	0.089	mg/Kg		05/22/23 07:43	05/22/23 23:38	1
Lead	8.7		0.65	0.22	mg/Kg		05/22/23 07:43	05/22/23 23:38	1
Selenium	ND		1.3	0.62	mg/Kg		05/22/23 07:43	05/22/23 23:38	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Client Sample ID: DU05-SU05-230505-Pond01
Date Collected: 05/05/23 10:00
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		10	2.0	ug/L		05/11/23 07:42	05/13/23 01:28	1
Arsenic	ND		15	4.4	ug/L		05/11/23 07:42	05/13/23 01:28	1
Barium	57		10	0.82	ug/L		05/11/23 07:42	05/13/23 01:28	1
Cadmium	0.29	J	5.0	0.13	ug/L		05/11/23 07:42	05/13/23 01:28	1
Chromium	1.8	J	10	0.66	ug/L		05/11/23 07:42	05/13/23 01:28	1
Lead	ND		9.0	2.7	ug/L		05/11/23 07:42	05/13/23 01:28	1
Selenium	ND		20	6.3	ug/L		05/11/23 07:42	05/13/23 01:28	1

Client Sample ID: DU05-SU05-230505-Pond02
Date Collected: 05/05/23 10:05
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		10	2.0	ug/L		05/11/23 07:42	05/13/23 01:32	1
Arsenic	ND		15	4.4	ug/L		05/11/23 07:42	05/13/23 01:32	1
Barium	40		10	0.82	ug/L		05/11/23 07:42	05/13/23 01:32	1

Method: SW846 6010D - Metals (ICP) - Dissolved (Continued)

Client Sample ID: DU05-SU05-230505-Pond02
Date Collected: 05/05/23 10:05
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.19	J	5.0	0.13	ug/L		05/11/23 07:42	05/13/23 01:32	1
Chromium	1.1	J	10	0.66	ug/L		05/11/23 07:42	05/13/23 01:32	1
Lead	ND		9.0	2.7	ug/L		05/11/23 07:42	05/13/23 01:32	1
Selenium	ND		20	6.3	ug/L		05/11/23 07:42	05/13/23 01:32	1

Client Sample ID: B03-19GW
Date Collected: 05/03/23 14:00
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		9.0	2.7	ug/L		05/11/23 07:42	05/13/23 01:36	1

Client Sample ID: B02-15GW
Date Collected: 05/03/23 15:00
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		9.0	2.7	ug/L		05/11/23 07:42	05/13/23 01:41	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Client Sample ID: DU05-SU05-230505-Pond01
Date Collected: 05/05/23 10:00
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.061	ug/L		05/23/23 17:26	05/23/23 23:23	1

Client Sample ID: DU05-SU05-230505-Pond02
Date Collected: 05/05/23 10:05
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.061	ug/L		05/23/23 17:26	05/23/23 23:30	1

Method: SW846 7471B - Mercury (CVAA)

Client Sample ID: DU05-SU06-230505-COMP01
Date Collected: 05/05/23 10:20
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-3
Matrix: Solid
Percent Solids: 82.7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.013	J	0.021	0.0069	mg/Kg	☼	05/22/23 15:20	05/22/23 21:51	1

Client Sample ID: DU05-SU06-230505-COMP02
Date Collected: 05/05/23 10:25
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-4
Matrix: Solid
Percent Solids: 83.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.014	J	0.023	0.0074	mg/Kg	☼	05/22/23 15:20	05/22/23 21:53	1

Client Sample ID: DU07-230502-Native
Date Collected: 05/02/23 18:30
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.019		0.017	0.0056	mg/Kg		05/22/23 15:20	05/22/23 23:25	1

General Chemistry

Client Sample ID: DU04-SU01-230504-0.5
Date Collected: 05/04/23 14:45
Date Received: 05/09/23 09:15
Lab Sample ID: 280-176200-13
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Incremented sample generated (EPA Increment, prep)	True				NONE			05/10/23 14:44	1

Client Sample ID: DU06-SU03-230504-0.5
Date Collected: 05/04/23 15:30
Date Received: 05/09/23 09:15
Lab Sample ID: 280-176200-14
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Incremented sample generated (EPA Increment, prep)	True				NONE			05/10/23 14:44	1

Client Sample ID: DU01-230504-0.5
Date Collected: 05/04/23 16:15
Date Received: 05/09/23 09:15
Lab Sample ID: 280-176200-15
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Incremented sample generated (EPA Increment, prep)	True				NONE			05/10/23 14:50	1

Client Sample ID: DU01-230504-0.5-Rep1
Date Collected: 05/04/23 16:25
Date Received: 05/09/23 09:15
Lab Sample ID: 280-176200-16
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Incremented sample generated (EPA Increment, prep)	True				NONE			05/10/23 14:50	1

Client Sample ID: DU01-230504-0.5-Rep2
Date Collected: 05/04/23 16:35
Date Received: 05/09/23 09:15
Lab Sample ID: 280-176200-17
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Incremented sample generated (EPA Increment, prep)	True				NONE			05/10/23 14:50	1

Client Sample ID: DU02-230504-0.5
Date Collected: 05/04/23 17:00
Date Received: 05/09/23 09:15
Lab Sample ID: 280-176200-18
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Incremented sample generated (EPA Increment, prep)	True				NONE			05/10/23 14:50	1

Client Sample ID: DU06-SU04-230505-0.5
Date Collected: 05/05/23 10:45
Date Received: 05/09/23 09:15
Lab Sample ID: 280-176200-20
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Incremented sample generated (EPA Increment, prep)	True				NONE			05/10/23 14:44	1

Client Sample ID: DU03-230505-0.5
Date Collected: 05/05/23 11:15
Date Received: 05/09/23 09:15
Lab Sample ID: 280-176200-21
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Incremented sample generated (EPA Increment, prep)	True				NONE			05/10/23 14:50	1

Client: SCS Engineers
Project/Site: Croman Mill Site, Ashland, Oregon

Job ID: 280-176200-1

General Chemistry

Client Sample ID: DU03-230505-0.5-Rep1
Date Collected: 05/05/23 11:20
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-22
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Incremented sample generated (EPA Increment, prep)	True				NONE			05/10/23 14:50	1

Client Sample ID: DU03-230505-0.5-Rep2
Date Collected: 05/05/23 11:25
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-23
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Incremented sample generated (EPA Increment, prep)	True				NONE			05/10/23 14:50	1

Surrogate Summary

Client: SCS Engineers
Project/Site: Croman Mill Site, Ashland, Oregon

Job ID: 280-176200-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCA (70-127)	TOL (80-125)	BFB (78-120)	DBFM (77-120)
240-184832-D-31 MS	Matrix Spike	97	105	105	97
240-184832-I-31 MSD	Matrix Spike Duplicate	97	105	103	97
280-175962-B-4 MS	Matrix Spike	103	96	100	101
280-175962-C-4 MSD	Matrix Spike Duplicate	104	97	101	101
280-176200-1	DU05-SU05-230505-Pond01	100	103	101	98
280-176200-2	DU05-SU05-230505-Pond02	100	103	102	97
280-176200-5	B03-19GW	98	100	100	98
280-176200-6	B02-15GW	103	96	102	107
280-176200-9	TB-230507-01	94	104	104	96
280-176200-19	TB-230507-02	94	104	102	96
280-176296-W-3 MS	Matrix Spike	99	99	99	99
280-176296-W-3 MSD	Matrix Spike Duplicate	98	98	100	97
LCS 280-612565/1002	Lab Control Sample	99	99	100	100
LCS 280-612584/1002	Lab Control Sample	99	102	104	100
LCS 280-612868/1002	Lab Control Sample	99	104	101	97
LCS 280-612891/1002	Lab Control Sample	92	102	102	98
LCSD 280-612565/4	Lab Control Sample Dup	102	99	99	101
LCSD 280-612584/4	Lab Control Sample Dup	98	100	104	101
LCSD 280-612868/4	Lab Control Sample Dup	99	104	102	98
LCSD 280-612891/4	Lab Control Sample Dup	93	102	103	97
MB 280-612565/7	Method Blank	105	97	102	106
MB 280-612584/7	Method Blank	99	101	101	98
MB 280-612868/7	Method Blank	102	103	101	98
MB 280-612891/7	Method Blank	93	103	103	97

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	BFB (66-125)
280-176200-3	DU05-SU06-230505-COMP01	100
280-176200-4	DU05-SU06-230505-COMP02	100
280-176200-7	B03-17	102
280-176200-8	B02-8	103

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Surrogate Summary

Client: SCS Engineers
Job ID: 280-176200-1
Project/Site: Croman Mill Site, Ashland, Oregon

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
		BFB
Lab Sample ID	Client Sample ID	(77-123)
280-176200-1	DU05-SU05-230505-Pond01	88
280-176200-2	DU05-SU05-230505-Pond02	92
280-176200-5	B03-19GW	83
280-176200-6	B02-15GW	88
LCS 580-425808/9	Lab Control Sample	100
LCSD 580-425808/10	Lab Control Sample Dup	103
MB 580-425808/6	Method Blank	88

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	TBP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(33-135)	(39-135)	(24-135)	(32-135)	(39-135)	(30-135)
280-176200-15	DU01-230504-0.5	90	86	95	83	91	107
280-176200-15 MS	DU01-230504-0.5	98	95	109	93	104	111
280-176200-15 MSD	DU01-230504-0.5	99	99	99	97	106	111
280-176200-16	DU01-230504-0.5-Rep1	95	91	93	90	98	112
280-176200-17	DU01-230504-0.5-Rep2	101	94	100	92	105	112
LCS 280-612492/2-A	Lab Control Sample	102	100	115	101	110	114
MB 280-612492/1-A	Method Blank	101	97	90	98	104	123

Surrogate Legend

FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
TBP = 2,4,6-Tribromophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHL
Lab Sample ID	Client Sample ID	(42-104)	(14-139)	(46-125)
280-176141-B-1-B MS	Matrix Spike	66	80	93
280-176141-B-1-C MSD	Matrix Spike Duplicate	63	67	90
280-176200-3	DU05-SU06-230505-COMP01	71	74	106
280-176200-4	DU05-SU06-230505-COMP02	69	76	101
280-176200-7	B03-17	57	42	88
280-176200-8	B02-8	59	40	80
280-176200-10	DU07-230502-Native	46	45	55
280-176200-11	DU07-230502-Fill	44	43	45 S1-
280-176200-13	DU04-SU01-230504-0.5	58	54	67
280-176200-13 MS	DU04-SU01-230504-0.5	59	67	54
280-176200-13 MSD	DU04-SU01-230504-0.5	61	67	58
280-176200-14	DU06-SU03-230504-0.5	68	64	70
280-176200-18	DU02-230504-0.5	65	68	

Surrogate Summary

Client: SCS Engineers
Job ID: 280-176200-1
Project/Site: Croman Mill Site, Ashland, Oregon

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

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

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHL
Lab Sample ID	Client Sample ID	(42-104)	(14-139)	(46-125)
280-176200-18 - DL	DU02-230504-0.5	67	58	67
280-176200-20	DU06-SU04-230505-0.5	63	55	57
280-176200-21	DU03-230505-0.5	59	65	54
280-176200-22	DU03-230505-0.5-Rep1	60	68	51
280-176200-23	DU03-230505-0.5-Rep2	62	66	54
LCS 280-612097/2-A	Lab Control Sample	74	70	91
LCS 280-612481/2-A	Lab Control Sample	60	54	75
MB 280-612097/1-A	Method Blank	67	62	119
MB 280-612481/1-A	Method Blank	65	62	84

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHL
Lab Sample ID	Client Sample ID	(26-114)	(18-126)	(36-131)
280-176115-A-2-B MS	Matrix Spike	54	51	76
280-176115-A-2-C MSD	Matrix Spike Duplicate	55	52	83
280-176200-1	DU05-SU05-230505-Pond01	37	39	47
280-176200-2	DU05-SU05-230505-Pond02	42	42	69
280-176200-5	B03-19GW	60	57	76
280-176200-6	B02-15GW	57	57	69
280-176284-E-4-A MS	Matrix Spike	51	51	57
280-176284-E-4-B MSD	Matrix Spike Duplicate	54	49	83
LCS 280-611929/2-A	Lab Control Sample	56	49	97
LCS 280-612087/2-A	Lab Control Sample	57	57	64
LCSD 280-612087/3-A	Lab Control Sample Dup	58	61	68
MB 280-611929/1-A	Method Blank	77	75	86
MB 280-612087/1-A	Method Blank	59	62	68

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

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

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX2	DCBP1
Lab Sample ID	Client Sample ID	(53-128)	(59-130)
280-176200-10	DU07-230502-Native	91	101
280-176200-11	DU07-230502-Fill	97	102
280-176200-12	DU04-SU02-230504-0.5	87	87
280-176200-13	DU04-SU01-230504-0.5	90	86
MB 280-612472/1-A	Method Blank	100	113

Surrogate Summary

Client: SCS Engineers
Project/Site: Croman Mill Site, Ashland, Oregon

Job ID: 280-176200-1

Surrogate Legend
TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

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

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX1	DCBP2
Lab Sample ID	Client Sample ID	(53-128)	(59-130)
280-176200-14	DU06-SU03-230504-0.5	105	87
280-176200-14 MS	DU06-SU03-230504-0.5	87	84
280-176200-14 MSD	DU06-SU03-230504-0.5	74	81

Surrogate Legend
TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

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

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX1	DCBP1
Lab Sample ID	Client Sample ID	(53-128)	(59-130)
280-176200-3	DU05-SU06-230505-COMP01	111	87
280-176200-4	DU05-SU06-230505-COMP02	110	85
280-176200-20	DU06-SU04-230505-0.5	119	77
LCS 280-612472/2-A	Lab Control Sample	123	106

Surrogate Legend
TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)
		OTPH
Lab Sample ID	Client Sample ID	(50-150)
280-176200-3	DU05-SU06-230505-COMP01	70
280-176200-3 DU	DU05-SU06-230505-COMP01	66
280-176200-4	DU05-SU06-230505-COMP02	70
280-176200-7	B03-17	72
280-176200-8	B02-8	73
280-176200-10	DU07-230502-Native	61
280-176200-10 DU	DU07-230502-Native	63
280-176200-11	DU07-230502-Fill	64
280-176200-13	DU04-SU01-230504-0.5	63
280-176200-14	DU06-SU03-230504-0.5	75
280-176200-15	DU01-230504-0.5	63
280-176200-16	DU01-230504-0.5-Rep1	67
280-176200-17	DU01-230504-0.5-Rep2	66
280-176200-18	DU02-230504-0.5	63
280-176200-20	DU06-SU04-230505-0.5	68
280-176200-21	DU03-230505-0.5	64
280-176200-21 DU	DU03-230505-0.5	65
280-176200-22	DU03-230505-0.5-Rep1	65
280-176200-23	DU03-230505-0.5-Rep2	65

Surrogate Summary

Client: SCS Engineers
Project/Site: Croman Mill Site, Ashland, Oregon

Job ID: 280-176200-1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued)

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

		Percent Surrogate Recovery (Acceptance Limits)						
Lab Sample ID	Client Sample ID	OTPH (50-150)						
LCS 580-425843/2-A	Lab Control Sample	81						
LCS 580-426406/2-A	Lab Control Sample	84						
LCSD 580-425843/3-A	Lab Control Sample Dup	78						
LCSD 580-426406/3-A	Lab Control Sample Dup	85						
MB 580-425843/1-A	Method Blank	67						
MB 580-426406/1-A	Method Blank	62						

Surrogate Legend

OTPH = o-Terphenyl

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)						
Lab Sample ID	Client Sample ID	OTPH (50-150)						
280-176200-1	DU05-SU05-230505-Pond01	63						
280-176200-2	DU05-SU05-230505-Pond02	71						
280-176200-5	B03-19GW	66						
280-176200-6	B02-15GW	67						
LCS 580-425673/2-A	Lab Control Sample	85						
LCSD 580-425673/3-A	Lab Control Sample Dup	95						
MB 580-425673/1-A	Method Blank	66						

Surrogate Legend

OTPH = o-Terphenyl

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 280-612565/7
Matrix: Water
Analysis Batch: 612565

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		15	6.6	ug/L			05/15/23 19:23	1
2-Butanone (MEK)	ND		15	6.0	ug/L			05/15/23 19:23	1
Benzene	ND		1.0	0.31	ug/L			05/15/23 19:23	1
Chlorobenzene	ND		1.0	0.42	ug/L			05/15/23 19:23	1
Carbon disulfide	ND		2.0	0.63	ug/L			05/15/23 19:23	1
Carbon tetrachloride	ND		1.0	0.57	ug/L			05/15/23 19:23	1
Cyclohexane	ND		1.0	0.44	ug/L			05/15/23 19:23	1
1,2-Dibromo-3-Chloropropane	ND		5.0	1.8	ug/L			05/15/23 19:23	1
Bromomethane	ND		5.0	2.4	ug/L			05/15/23 19:23	1
Bromoform	ND		2.0	1.2	ug/L			05/15/23 19:23	1
Chloroethane	ND		4.0	1.4	ug/L			05/15/23 19:23	1
Chloroform	ND		1.0	0.36	ug/L			05/15/23 19:23	1
Chlorobromomethane	ND		1.0	0.40	ug/L			05/15/23 19:23	1
Dichlorobromomethane	ND		1.0	0.39	ug/L			05/15/23 19:23	1
Chlorodibromomethane	ND		2.0	0.62	ug/L			05/15/23 19:23	1
Isopropylbenzene	ND		1.0	0.36	ug/L			05/15/23 19:23	1
2-Hexanone	ND		5.0	1.7	ug/L			05/15/23 19:23	1
Chloromethane	ND		2.0	0.75	ug/L			05/15/23 19:23	1
Dichlorodifluoromethane	ND		3.0	0.96	ug/L			05/15/23 19:23	1
trans-1,2-Dichloroethene	ND		1.0	0.37	ug/L			05/15/23 19:23	1
trans-1,3-Dichloropropene	ND		2.0	0.65	ug/L			05/15/23 19:23	1
Methylene Chloride	ND		2.0	0.94	ug/L			05/15/23 19:23	1
Methyl acetate	ND		5.0	1.6	ug/L			05/15/23 19:23	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			05/15/23 19:23	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			05/15/23 19:23	1
Methylcyclohexane	ND		1.0	0.31	ug/L			05/15/23 19:23	1
Styrene	ND		1.0	0.36	ug/L			05/15/23 19:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/15/23 19:23	1
1,2,3-Trichlorobenzene	ND		2.0	0.70	ug/L			05/15/23 19:23	1
1,2,4-Trichlorobenzene	ND		1.0	0.58	ug/L			05/15/23 19:23	1
Toluene	ND		1.0	0.32	ug/L			05/15/23 19:23	1
1,1,1-Trichloroethane	ND		1.0	0.39	ug/L			05/15/23 19:23	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/15/23 19:23	1
Trichloroethene	ND		1.0	0.30	ug/L			05/15/23 19:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.0	0.73	ug/L			05/15/23 19:23	1
Vinyl chloride	ND		2.0	0.51	ug/L			05/15/23 19:23	1
m-Xylene & p-Xylene	ND		2.0	0.36	ug/L			05/15/23 19:23	1
o-Xylene	ND		1.0	0.33	ug/L			05/15/23 19:23	1
Tetrachloroethene	ND		1.0	0.40	ug/L			05/15/23 19:23	1
1,2-Dichlorobenzene	ND		1.0	0.37	ug/L			05/15/23 19:23	1
1,3-Dichlorobenzene	ND		1.0	0.33	ug/L			05/15/23 19:23	1
1,4-Dichlorobenzene	ND		1.0	0.39	ug/L			05/15/23 19:23	1
cis-1,2-Dichloroethene	ND		1.0	0.32	ug/L			05/15/23 19:23	1
cis-1,3-Dichloropropene	ND		2.0	0.63	ug/L			05/15/23 19:23	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			05/15/23 19:23	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			05/15/23 19:23	1
1,2-Dichloroethane	ND		1.0	0.54	ug/L			05/15/23 19:23	1
1,2-Dichloropropane	ND		1.0	0.52	ug/L			05/15/23 19:23	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 280-612565/7
Matrix: Water
Analysis Batch: 612565

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		150	19	ug/L			05/15/23 19:23	1
Ethylbenzene	ND		1.0	0.30	ug/L			05/15/23 19:23	1
Ethylene Dibromide	ND		1.0	0.40	ug/L			05/15/23 19:23	1
Trichlorofluoromethane	ND		2.0	0.57	ug/L			05/15/23 19:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 127*		*05/15/23 19:23*	*1*
Toluene-d8 (Surr)	*97*		*80 - 125*		*05/15/23 19:23*	*1*
4-Bromofluorobenzene (Surr)	*102*		*78 - 120*		*05/15/23 19:23*	*1*
Dibromofluoromethane (Surr)	*106*		*77 - 120*		*05/15/23 19:23*	*1*

Lab Sample ID: LCS 280-612565/1002
Matrix: Water
Analysis Batch: 612565

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	174		ug/L		87	50 - 137
2-Butanone (MEK)	200	172		ug/L		86	53 - 135
Benzene	50.0	47.1		ug/L		94	69 - 126
Chlorobenzene	50.0	46.2		ug/L		92	78 - 118
Carbon disulfide	50.0	45.0		ug/L		90	56 - 128
Carbon tetrachloride	50.0	52.8		ug/L		106	60 - 133
Cyclohexane	50.0	53.0		ug/L		106	57 - 134
1,2-Dibromo-3-Chloropropane	50.0	44.7		ug/L		89	58 - 122
Bromomethane	50.0	48.0		ug/L		96	25 - 163
Bromoform	50.0	51.8		ug/L		104	57 - 125
Chloroethane	50.0	49.3		ug/L		99	52 - 144
Chloroform	50.0	48.1		ug/L		96	68 - 128
Chlorobromomethane	50.0	54.0		ug/L		108	71 - 130
Dichlorobromomethane	50.0	53.4		ug/L		107	67 - 126
Chlorodibromomethane	50.0	51.8		ug/L		104	71 - 122
Isopropylbenzene	50.0	49.3		ug/L		99	70 - 127
2-Hexanone	200	170		ug/L		85	58 - 134
Chloromethane	50.0	45.1		ug/L		90	43 - 142
Dichlorodifluoromethane	50.0	54.0		ug/L		108	26 - 152
trans-1,2-Dichloroethene	50.0	45.7		ug/L		91	66 - 129
trans-1,3-Dichloropropene	50.0	52.0		ug/L		104	66 - 127
Methylene Chloride	50.0	47.6		ug/L		95	64 - 128
Methyl acetate	100	92.7		ug/L		93	59 - 133
Methyl tert-butyl ether	50.0	47.6		ug/L		95	70 - 127
4-Methyl-2-pentanone (MIBK)	200	178		ug/L		89	56 - 135
Methylcyclohexane	50.0	54.9		ug/L		110	58 - 136
Styrene	50.0	53.4		ug/L		107	79 - 120
1,1,2,2-Tetrachloroethane	50.0	49.4		ug/L		99	72 - 122
1,2,3-Trichlorobenzene	50.0	37.4		ug/L		75	70 - 127
1,2,4-Trichlorobenzene	50.0	49.8		ug/L		100	73 - 124
Toluene	50.0	47.7		ug/L		95	68 - 127
1,1,1-Trichloroethane	50.0	49.5		ug/L		99	62 - 132

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 280-612565/1002
Matrix: Water
Analysis Batch: 612565

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2-Trichloroethane	50.0	52.4		ug/L		105	72 - 128
Trichloroethene	50.0	47.1		ug/L		94	70 - 125
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	54.9		ug/L		110	60 - 137
Vinyl chloride	50.0	48.6		ug/L		97	53 - 141
m-Xylene & p-Xylene	50.0	48.0		ug/L		96	76 - 122
o-Xylene	50.0	48.3		ug/L		97	77 - 120
Tetrachloroethene	50.0	52.3		ug/L		105	72 - 127
1,2-Dichlorobenzene	50.0	50.6		ug/L		101	77 - 121
1,3-Dichlorobenzene	50.0	47.5		ug/L		95	76 - 121
1,4-Dichlorobenzene	50.0	45.6		ug/L		91	76 - 119
cis-1,2-Dichloroethene	50.0	47.4		ug/L		95	69 - 126
cis-1,3-Dichloropropene	50.0	51.4		ug/L		103	75 - 120
1,1-Dichloroethane	50.0	46.9		ug/L		94	66 - 130
1,1-Dichloroethene	50.0	49.0		ug/L		98	62 - 130
1,2-Dichloroethane	50.0	47.7		ug/L		95	61 - 130
1,2-Dichloropropane	50.0	49.1		ug/L		98	68 - 127
1,4-Dioxane	1000	780		ug/L		78	59 - 134
Ethylbenzene	50.0	48.1		ug/L		96	76 - 121
Ethylene Dibromide	50.0	50.9		ug/L		102	81 - 118
Trichlorofluoromethane	50.0	56.6		ug/L		113	57 - 144

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 127*
Toluene-d8 (Surr)	*99*		*80 - 125*
4-Bromofluorobenzene (Surr)	*100*		*78 - 120*
Dibromofluoromethane (Surr)	*100*		*77 - 120*

Lab Sample ID: LCSD 280-612565/4
Matrix: Water
Analysis Batch: 612565

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	200	168		ug/L		84	50 - 137	4	21
2-Butanone (MEK)	200	165		ug/L		83	53 - 135	4	20
Benzene	50.0	45.6		ug/L		91	69 - 126	3	20
Chlorobenzene	50.0	44.5		ug/L		89	78 - 118	4	20
Carbon disulfide	50.0	42.9		ug/L		86	56 - 128	5	20
Carbon tetrachloride	50.0	51.0		ug/L		102	60 - 133	3	20
Cyclohexane	50.0	50.9		ug/L		102	57 - 134	4	32
1,2-Dibromo-3-Chloropropane	50.0	40.6		ug/L		81	58 - 122	9	21
Bromomethane	50.0	48.0		ug/L		96	25 - 163	0	40
Bromoform	50.0	50.0		ug/L		100	57 - 125	4	20
Chloroethane	50.0	49.3		ug/L		99	52 - 144	0	30
Chloroform	50.0	47.0		ug/L		94	68 - 128	2	20
Chlorobromomethane	50.0	52.1		ug/L		104	71 - 130	4	20
Dichlorobromomethane	50.0	52.3		ug/L		105	67 - 126	2	20
Chlorodibromomethane	50.0	49.7		ug/L		99	71 - 122	4	20
Isopropylbenzene	50.0	46.2		ug/L		92	70 - 127	7	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 280-612565/4
Matrix: Water
Analysis Batch: 612565

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Hexanone	200	164		ug/L		82	58 - 134	4	21
Chloromethane	50.0	44.9		ug/L		90	43 - 142	0	20
Dichlorodifluoromethane	50.0	53.2		ug/L		106	26 - 152	1	21
trans-1,2-Dichloroethene	50.0	43.9		ug/L		88	66 - 129	4	20
trans-1,3-Dichloropropene	50.0	50.7		ug/L		101	66 - 127	3	20
Methylene Chloride	50.0	46.3		ug/L		93	64 - 128	3	20
Methyl acetate	100	90.8		ug/L		91	59 - 133	2	20
Methyl tert-butyl ether	50.0	46.1		ug/L		92	70 - 127	3	20
4-Methyl-2-pentanone (MIBK)	200	170		ug/L		85	56 - 135	4	20
Methylcyclohexane	50.0	53.5		ug/L		107	58 - 136	3	21
Styrene	50.0	51.4		ug/L		103	79 - 120	4	20
1,1,2,2-Tetrachloroethane	50.0	46.6		ug/L		93	72 - 122	6	20
1,2,3-Trichlorobenzene	50.0	35.9		ug/L		72	70 - 127	4	20
1,2,4-Trichlorobenzene	50.0	46.9		ug/L		94	73 - 124	6	20
Toluene	50.0	46.2		ug/L		92	68 - 127	3	20
1,1,1-Trichloroethane	50.0	48.2		ug/L		96	62 - 132	3	20
1,1,2-Trichloroethane	50.0	50.5		ug/L		101	72 - 128	4	20
Trichloroethene	50.0	46.0		ug/L		92	70 - 125	2	20
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	53.0		ug/L		106	60 - 137	4	23
Vinyl chloride	50.0	49.0		ug/L		98	53 - 141	1	25
m-Xylene & p-Xylene	50.0	46.6		ug/L		93	76 - 122	3	20
o-Xylene	50.0	47.3		ug/L		95	77 - 120	2	20
Tetrachloroethene	50.0	50.0		ug/L		100	72 - 127	4	20
1,2-Dichlorobenzene	50.0	47.9		ug/L		96	77 - 121	6	20
1,3-Dichlorobenzene	50.0	45.5		ug/L		91	76 - 121	4	20
1,4-Dichlorobenzene	50.0	42.7		ug/L		85	76 - 119	7	20
cis-1,2-Dichloroethene	50.0	46.2		ug/L		92	69 - 126	3	20
cis-1,3-Dichloropropene	50.0	50.0		ug/L		100	75 - 120	3	20
1,1-Dichloroethane	50.0	45.4		ug/L		91	66 - 130	3	20
1,1-Dichloroethene	50.0	47.2		ug/L		94	62 - 130	4	21
1,2-Dichloroethane	50.0	46.7		ug/L		93	61 - 130	2	20
1,2-Dichloropropane	50.0	47.7		ug/L		95	68 - 127	3	20
1,4-Dioxane	1000	787		ug/L		79	59 - 134	1	24
Ethylbenzene	50.0	46.6		ug/L		93	76 - 121	3	20
Ethylene Dibromide	50.0	49.9		ug/L		100	81 - 118	2	20
Trichlorofluoromethane	50.0	55.5		ug/L		111	57 - 144	2	28

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 127*
Toluene-d8 (Surr)	*99*		*80 - 125*
4-Bromofluorobenzene (Surr)	*99*		*78 - 120*
Dibromofluoromethane (Surr)	*101*		*77 - 120*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 280-175962-B-4 MS
Matrix: Water
Analysis Batch: 612565

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	ND		200	172		ug/L		86	50 - 137
2-Butanone (MEK)	ND		200	166		ug/L		83	53 - 135
Benzene	ND		50.0	45.1		ug/L		90	69 - 126
Chlorobenzene	ND		50.0	43.6		ug/L		87	78 - 118
Carbon disulfide	ND		50.0	42.1		ug/L		84	56 - 128
Carbon tetrachloride	ND		50.0	51.2		ug/L		102	60 - 133
Cyclohexane	ND		50.0	50.6		ug/L		101	57 - 134
1,2-Dibromo-3-Chloropropane	ND		50.0	39.6		ug/L		79	58 - 122
Bromomethane	ND		50.0	27.6		ug/L		55	25 - 163
Bromoform	ND		50.0	51.4		ug/L		103	57 - 125
Chloroethane	ND		50.0	48.7		ug/L		97	52 - 144
Chloroform	ND		50.0	46.9		ug/L		94	68 - 128
Chlorobromomethane	ND		50.0	51.5		ug/L		103	71 - 130
Dichlorobromomethane	ND		50.0	51.8		ug/L		104	67 - 126
Chlorodibromomethane	ND		50.0	49.7		ug/L		99	71 - 122
Isopropylbenzene	ND		50.0	45.3		ug/L		91	70 - 127
2-Hexanone	ND		200	167		ug/L		84	58 - 134
Chloromethane	ND		50.0	43.1		ug/L		86	43 - 142
Dichlorodifluoromethane	ND		50.0	52.6		ug/L		105	26 - 152
trans-1,2-Dichloroethene	ND		50.0	43.9		ug/L		88	66 - 129
trans-1,3-Dichloropropene	ND		50.0	49.6		ug/L		99	66 - 127
Methylene Chloride	ND		50.0	46.3		ug/L		93	64 - 128
Methyl acetate	ND		100	86.7		ug/L		87	59 - 133
Methyl tert-butyl ether	ND		50.0	46.0		ug/L		92	70 - 127
4-Methyl-2-pentanone (MIBK)	ND		200	174		ug/L		87	56 - 135
Methylcyclohexane	ND		50.0	51.9		ug/L		104	58 - 136
Styrene	ND		50.0	50.2		ug/L		100	79 - 120
1,1,2,2-Tetrachloroethane	ND		50.0	47.7		ug/L		95	72 - 122
1,2,3-Trichlorobenzene	ND		50.0	35.3		ug/L		71	70 - 127
1,2,4-Trichlorobenzene	ND		50.0	44.4		ug/L		89	73 - 124
Toluene	ND		50.0	45.7		ug/L		91	68 - 127
1,1,1-Trichloroethane	ND		50.0	48.1		ug/L		96	62 - 132
1,1,2-Trichloroethane	ND		50.0	51.0		ug/L		102	72 - 128
Trichloroethene	ND		50.0	44.7		ug/L		89	70 - 125
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50.0	52.2		ug/L		104	60 - 137
Vinyl chloride	ND		50.0	46.5		ug/L		93	53 - 141
m-Xylene & p-Xylene	ND		50.0	44.9		ug/L		90	76 - 122
o-Xylene	ND		50.0	46.0		ug/L		92	77 - 120
Tetrachloroethene	ND		50.0	50.1		ug/L		100	72 - 127
1,2-Dichlorobenzene	ND		50.0	46.8		ug/L		94	77 - 121
1,3-Dichlorobenzene	ND		50.0	44.2		ug/L		88	76 - 121
1,4-Dichlorobenzene	ND		50.0	42.4		ug/L		85	76 - 119
cis-1,2-Dichloroethene	ND		50.0	45.4		ug/L		91	69 - 126
cis-1,3-Dichloropropene	ND		50.0	46.1		ug/L		92	75 - 120
1,1-Dichloroethane	ND		50.0	45.5		ug/L		91	66 - 130
1,1-Dichloroethene	ND		50.0	46.0		ug/L		92	62 - 130
1,2-Dichloroethane	ND		50.0	46.5		ug/L		93	61 - 130
1,2-Dichloropropane	ND		50.0	47.7		ug/L		95	68 - 127

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 280-175962-B-4 MS
Matrix: Water
Analysis Batch: 612565

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	ND		1000	807		ug/L		81	59 - 134
Ethylbenzene	ND		50.0	45.5		ug/L		91	76 - 121
Ethylene Dibromide	ND		50.0	48.2		ug/L		96	81 - 118
Trichlorofluoromethane	ND		50.0	54.9		ug/L		110	57 - 144

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 127*
Toluene-d8 (Surr)	*96*		*80 - 125*
4-Bromofluorobenzene (Surr)	*100*		*78 - 120*
Dibromofluoromethane (Surr)	*101*		*77 - 120*

Lab Sample ID: 280-175962-C-4 MSD
Matrix: Water
Analysis Batch: 612565

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	ND		200	175		ug/L		87	50 - 137	1	21
2-Butanone (MEK)	ND		200	171		ug/L		86	53 - 135	3	20
Benzene	ND		50.0	44.8		ug/L		90	69 - 126	1	20
Chlorobenzene	ND		50.0	43.1		ug/L		86	78 - 118	1	20
Carbon disulfide	ND		50.0	42.1		ug/L		84	56 - 128	0	20
Carbon tetrachloride	ND		50.0	50.2		ug/L		100	60 - 133	2	20
Cyclohexane	ND		50.0	50.4		ug/L		101	57 - 134	1	32
1,2-Dibromo-3-Chloropropane	ND		50.0	44.0		ug/L		88	58 - 122	10	21
Bromomethane	ND		50.0	30.3		ug/L		61	25 - 163	9	40
Bromoform	ND		50.0	49.9		ug/L		100	57 - 125	3	20
Chloroethane	ND		50.0	48.4		ug/L		97	52 - 144	1	30
Chloroform	ND		50.0	46.5		ug/L		93	68 - 128	1	20
Chlorobromomethane	ND		50.0	51.8		ug/L		104	71 - 130	0	20
Dichlorobromomethane	ND		50.0	51.6		ug/L		103	67 - 126	0	20
Chlorodibromomethane	ND		50.0	48.1		ug/L		96	71 - 122	3	20
Isopropylbenzene	ND		50.0	45.6		ug/L		91	70 - 127	1	20
2-Hexanone	ND		200	167		ug/L		84	58 - 134	0	21
Chloromethane	ND		50.0	43.3		ug/L		87	43 - 142	0	20
Dichlorodifluoromethane	ND		50.0	52.2		ug/L		104	26 - 152	1	21
trans-1,2-Dichloroethene	ND		50.0	43.0		ug/L		86	66 - 129	2	20
trans-1,3-Dichloropropene	ND		50.0	48.7		ug/L		97	66 - 127	2	20
Methylene Chloride	ND		50.0	44.9		ug/L		90	64 - 128	3	20
Methyl acetate	ND		100	90.8		ug/L		91	59 - 133	5	20
Methyl tert-butyl ether	ND		50.0	45.9		ug/L		92	70 - 127	0	20
4-Methyl-2-pentanone (MIBK)	ND		200	175		ug/L		87	56 - 135	0	20
Methylcyclohexane	ND		50.0	51.7		ug/L		103	58 - 136	0	21
Styrene	ND		50.0	49.5		ug/L		99	79 - 120	1	20
1,1,2,2-Tetrachloroethane	ND		50.0	48.3		ug/L		97	72 - 122	1	20
1,2,3-Trichlorobenzene	ND		50.0	39.4		ug/L		79	70 - 127	11	20
1,2,4-Trichlorobenzene	ND		50.0	46.5		ug/L		93	73 - 124	5	20
Toluene	ND		50.0	45.2		ug/L		90	68 - 127	1	20
1,1,1-Trichloroethane	ND		50.0	47.4		ug/L		95	62 - 132	1	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 280-175962-C-4 MSD
Matrix: Water
Analysis Batch: 612565

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,2-Trichloroethane	ND		50.0	49.9		ug/L		100	72 - 128	2	20
Trichloroethene	ND		50.0	44.3		ug/L		89	70 - 125	1	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50.0	51.0		ug/L		102	60 - 137	2	23
Vinyl chloride	ND		50.0	47.5		ug/L		95	53 - 141	2	25
m-Xylene & p-Xylene	ND		50.0	44.5		ug/L		89	76 - 122	1	20
o-Xylene	ND		50.0	45.0		ug/L		90	77 - 120	2	20
Tetrachloroethene	ND		50.0	48.6		ug/L		97	72 - 127	3	20
1,2-Dichlorobenzene	ND		50.0	47.1		ug/L		94	77 - 121	1	20
1,3-Dichlorobenzene	ND		50.0	44.5		ug/L		89	76 - 121	1	20
1,4-Dichlorobenzene	ND		50.0	42.0		ug/L		84	76 - 119	1	20
cis-1,2-Dichloroethene	ND		50.0	44.7		ug/L		89	69 - 126	2	20
cis-1,3-Dichloropropene	ND		50.0	45.6		ug/L		91	75 - 120	1	20
1,1-Dichloroethane	ND		50.0	44.6		ug/L		89	66 - 130	2	20
1,1-Dichloroethene	ND		50.0	46.2		ug/L		92	62 - 130	0	21
1,2-Dichloroethane	ND		50.0	46.1		ug/L		92	61 - 130	1	20
1,2-Dichloropropane	ND		50.0	46.9		ug/L		94	68 - 127	2	20
1,4-Dioxane	ND		1000	874		ug/L		87	59 - 134	8	24
Ethylbenzene	ND		50.0	44.7		ug/L		89	76 - 121	2	20
Ethylene Dibromide	ND		50.0	47.9		ug/L		96	81 - 118	1	20
Trichlorofluoromethane	ND		50.0	55.9		ug/L		112	57 - 144	2	28

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 127*
Toluene-d8 (Surr)	*97*		*80 - 125*
4-Bromofluorobenzene (Surr)	*101*		*78 - 120*
Dibromofluoromethane (Surr)	*101*		*77 - 120*

Lab Sample ID: MB 280-612584/7
Matrix: Water
Analysis Batch: 612584

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		15	6.6	ug/L			05/15/23 21:23	1
2-Butanone (MEK)	ND		15	6.0	ug/L			05/15/23 21:23	1
Benzene	ND		1.0	0.31	ug/L			05/15/23 21:23	1
Chlorobenzene	ND		1.0	0.42	ug/L			05/15/23 21:23	1
Carbon disulfide	ND		2.0	0.63	ug/L			05/15/23 21:23	1
Carbon tetrachloride	ND		1.0	0.57	ug/L			05/15/23 21:23	1
Cyclohexane	ND		1.0	0.44	ug/L			05/15/23 21:23	1
1,2-Dibromo-3-Chloropropane	ND		5.0	1.8	ug/L			05/15/23 21:23	1
Bromomethane	ND		5.0	2.4	ug/L			05/15/23 21:23	1
Bromoform	ND		2.0	1.2	ug/L			05/15/23 21:23	1
Chloroethane	ND		4.0	1.4	ug/L			05/15/23 21:23	1
Chloroform	ND		1.0	0.36	ug/L			05/15/23 21:23	1
Chlorobromomethane	ND		1.0	0.40	ug/L			05/15/23 21:23	1
Dichlorobromomethane	ND		1.0	0.39	ug/L			05/15/23 21:23	1
Chlorodibromomethane	ND		2.0	0.62	ug/L			05/15/23 21:23	1
Isopropylbenzene	ND		1.0	0.36	ug/L			05/15/23 21:23	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 280-612584/7
Matrix: Water
Analysis Batch: 612584

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		5.0	1.7	ug/L			05/15/23 21:23	1
Chloromethane	ND		2.0	0.75	ug/L			05/15/23 21:23	1
Dichlorodifluoromethane	ND		3.0	0.96	ug/L			05/15/23 21:23	1
trans-1,2-Dichloroethene	ND		1.0	0.37	ug/L			05/15/23 21:23	1
trans-1,3-Dichloropropene	ND		2.0	0.65	ug/L			05/15/23 21:23	1
Methylene Chloride	ND		2.0	0.94	ug/L			05/15/23 21:23	1
Methyl acetate	ND		5.0	1.6	ug/L			05/15/23 21:23	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			05/15/23 21:23	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			05/15/23 21:23	1
Methylcyclohexane	ND		1.0	0.31	ug/L			05/15/23 21:23	1
Styrene	ND		1.0	0.36	ug/L			05/15/23 21:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/15/23 21:23	1
1,2,3-Trichlorobenzene	ND		2.0	0.70	ug/L			05/15/23 21:23	1
1,2,4-Trichlorobenzene	ND		1.0	0.58	ug/L			05/15/23 21:23	1
Toluene	ND		1.0	0.32	ug/L			05/15/23 21:23	1
1,1,1-Trichloroethane	ND		1.0	0.39	ug/L			05/15/23 21:23	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/15/23 21:23	1
Trichloroethene	ND		1.0	0.30	ug/L			05/15/23 21:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.0	0.73	ug/L			05/15/23 21:23	1
Vinyl chloride	ND		2.0	0.51	ug/L			05/15/23 21:23	1
m-Xylene & p-Xylene	ND		2.0	0.36	ug/L			05/15/23 21:23	1
o-Xylene	ND		1.0	0.33	ug/L			05/15/23 21:23	1
Tetrachloroethene	ND		1.0	0.40	ug/L			05/15/23 21:23	1
1,2-Dichlorobenzene	ND		1.0	0.37	ug/L			05/15/23 21:23	1
1,3-Dichlorobenzene	ND		1.0	0.33	ug/L			05/15/23 21:23	1
1,4-Dichlorobenzene	ND		1.0	0.39	ug/L			05/15/23 21:23	1
cis-1,2-Dichloroethene	ND		1.0	0.32	ug/L			05/15/23 21:23	1
cis-1,3-Dichloropropene	ND		2.0	0.63	ug/L			05/15/23 21:23	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			05/15/23 21:23	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			05/15/23 21:23	1
1,2-Dichloroethane	ND		1.0	0.54	ug/L			05/15/23 21:23	1
1,2-Dichloropropane	ND		1.0	0.52	ug/L			05/15/23 21:23	1
1,4-Dioxane	ND		150	19	ug/L			05/15/23 21:23	1
Ethylbenzene	ND		1.0	0.30	ug/L			05/15/23 21:23	1
Ethylene Dibromide	ND		1.0	0.40	ug/L			05/15/23 21:23	1
Trichlorofluoromethane	ND		2.0	0.57	ug/L			05/15/23 21:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 127*		*05/15/23 21:23*	*1*
Toluene-d8 (Surr)	*101*		*80 - 125*		*05/15/23 21:23*	*1*
4-Bromofluorobenzene (Surr)	*101*		*78 - 120*		*05/15/23 21:23*	*1*
Dibromofluoromethane (Surr)	*98*		*77 - 120*		*05/15/23 21:23*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 280-612584/1002
Matrix: Water
Analysis Batch: 612584

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	187		ug/L		93	50 - 137
2-Butanone (MEK)	200	190		ug/L		95	53 - 135
Benzene	50.0	47.6		ug/L		95	69 - 126
Chlorobenzene	50.0	49.6		ug/L		99	78 - 118
Carbon disulfide	50.0	46.0		ug/L		92	56 - 128
Carbon tetrachloride	50.0	50.5		ug/L		101	60 - 133
Cyclohexane	50.0	48.6		ug/L		97	57 - 134
1,2-Dibromo-3-Chloropropane	50.0	53.2		ug/L		106	58 - 122
Bromomethane	50.0	47.1		ug/L		94	25 - 163
Bromoform	50.0	52.7		ug/L		105	57 - 125
Chloroethane	50.0	41.3		ug/L		83	52 - 144
Chloroform	50.0	48.1		ug/L		96	68 - 128
Chlorobromomethane	50.0	46.4		ug/L		93	71 - 130
Dichlorobromomethane	50.0	49.3		ug/L		99	67 - 126
Chlorodibromomethane	50.0	52.1		ug/L		104	71 - 122
Isopropylbenzene	50.0	53.8		ug/L		108	70 - 127
2-Hexanone	200	212		ug/L		106	58 - 134
Chloromethane	50.0	41.6		ug/L		83	43 - 142
Dichlorodifluoromethane	50.0	35.4		ug/L		71	26 - 152
trans-1,2-Dichloroethene	50.0	46.0		ug/L		92	66 - 129
trans-1,3-Dichloropropene	50.0	50.5		ug/L		101	66 - 127
Methylene Chloride	50.0	47.1		ug/L		94	64 - 128
Methyl acetate	100	95.1		ug/L		95	59 - 133
Methyl tert-butyl ether	50.0	49.0		ug/L		98	70 - 127
4-Methyl-2-pentanone (MIBK)	200	206		ug/L		103	56 - 135
Methylcyclohexane	50.0	47.9		ug/L		96	58 - 136
Styrene	50.0	50.7		ug/L		101	79 - 120
1,1,2,2-Tetrachloroethane	50.0	50.0		ug/L		100	72 - 122
1,2,3-Trichlorobenzene	50.0	49.7		ug/L		99	70 - 127
1,2,4-Trichlorobenzene	50.0	50.5		ug/L		101	73 - 124
Toluene	50.0	47.7		ug/L		95	68 - 127
1,1,1-Trichloroethane	50.0	48.9		ug/L		98	62 - 132
1,1,2-Trichloroethane	50.0	49.6		ug/L		99	72 - 128
Trichloroethene	50.0	47.0		ug/L		94	70 - 125
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	50.2		ug/L		100	60 - 137
Vinyl chloride	50.0	41.8		ug/L		84	53 - 141
m-Xylene & p-Xylene	50.0	51.1		ug/L		102	76 - 122
o-Xylene	50.0	50.1		ug/L		100	77 - 120
Tetrachloroethene	50.0	49.4		ug/L		99	72 - 127
1,2-Dichlorobenzene	50.0	53.9		ug/L		108	77 - 121
1,3-Dichlorobenzene	50.0	54.5		ug/L		109	76 - 121
1,4-Dichlorobenzene	50.0	49.8		ug/L		100	76 - 119
cis-1,2-Dichloroethene	50.0	48.5		ug/L		97	69 - 126
cis-1,3-Dichloropropene	50.0	48.8		ug/L		98	75 - 120
1,1-Dichloroethane	50.0	47.8		ug/L		96	66 - 130
1,1-Dichloroethene	50.0	48.2		ug/L		96	62 - 130
1,2-Dichloroethane	50.0	45.2		ug/L		90	61 - 130
1,2-Dichloropropane	50.0	47.3		ug/L		95	68 - 127

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 280-612584/1002
Matrix: Water
Analysis Batch: 612584

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	1000	1050		ug/L		105	59 - 134
Ethylbenzene	50.0	49.5		ug/L		99	76 - 121
Ethylene Dibromide	50.0	48.6		ug/L		97	81 - 118
Trichlorofluoromethane	50.0	43.4		ug/L		87	57 - 144

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 127*
Toluene-d8 (Surr)	*102*		*80 - 125*
4-Bromofluorobenzene (Surr)	*104*		*78 - 120*
Dibromofluoromethane (Surr)	*100*		*77 - 120*

Lab Sample ID: LCSD 280-612584/4
Matrix: Water
Analysis Batch: 612584

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	200	188		ug/L		94	50 - 137	0	21
2-Butanone (MEK)	200	189		ug/L		95	53 - 135	0	20
Benzene	50.0	47.3		ug/L		95	69 - 126	1	20
Chlorobenzene	50.0	48.3		ug/L		97	78 - 118	3	20
Carbon disulfide	50.0	46.9		ug/L		94	56 - 128	2	20
Carbon tetrachloride	50.0	51.7		ug/L		103	60 - 133	2	20
Cyclohexane	50.0	49.8		ug/L		100	57 - 134	3	32
1,2-Dibromo-3-Chloropropane	50.0	54.6		ug/L		109	58 - 122	2	21
Bromomethane	50.0	48.1		ug/L		96	25 - 163	2	40
Bromoform	50.0	51.5		ug/L		103	57 - 125	2	20
Chloroethane	50.0	42.5		ug/L		85	52 - 144	3	30
Chloroform	50.0	48.1		ug/L		96	68 - 128	0	20
Chlorobromomethane	50.0	46.8		ug/L		94	71 - 130	1	20
Dichlorobromomethane	50.0	49.5		ug/L		99	67 - 126	0	20
Chlorodibromomethane	50.0	51.8		ug/L		104	71 - 122	0	20
Isopropylbenzene	50.0	54.4		ug/L		109	70 - 127	1	20
2-Hexanone	200	209		ug/L		104	58 - 134	2	21
Chloromethane	50.0	44.0		ug/L		88	43 - 142	6	20
Dichlorodifluoromethane	50.0	37.9		ug/L		76	26 - 152	7	21
trans-1,2-Dichloroethene	50.0	46.1		ug/L		92	66 - 129	0	20
trans-1,3-Dichloropropene	50.0	49.9		ug/L		100	66 - 127	1	20
Methylene Chloride	50.0	47.8		ug/L		96	64 - 128	1	20
Methyl acetate	100	95.7		ug/L		96	59 - 133	1	20
Methyl tert-butyl ether	50.0	49.1		ug/L		98	70 - 127	0	20
4-Methyl-2-pentanone (MIBK)	200	205		ug/L		102	56 - 135	1	20
Methylcyclohexane	50.0	48.1		ug/L		96	58 - 136	0	21
Styrene	50.0	50.5		ug/L		101	79 - 120	1	20
1,1,2,2-Tetrachloroethane	50.0	50.4		ug/L		101	72 - 122	1	20
1,2,3-Trichlorobenzene	50.0	51.5		ug/L		103	70 - 127	4	20
1,2,4-Trichlorobenzene	50.0	51.7		ug/L		103	73 - 124	2	20
Toluene	50.0	47.2		ug/L		94	68 - 127	1	20
1,1,1-Trichloroethane	50.0	50.3		ug/L		101	62 - 132	3	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 280-612584/4
Matrix: Water
Analysis Batch: 612584

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,2-Trichloroethane	50.0	49.3		ug/L		99	72 - 128	1	20
Trichloroethene	50.0	47.0		ug/L		94	70 - 125	0	20
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	50.9		ug/L		102	60 - 137	1	23
Vinyl chloride	50.0	44.1		ug/L		88	53 - 141	5	25
m-Xylene & p-Xylene	50.0	50.2		ug/L		100	76 - 122	2	20
o-Xylene	50.0	50.4		ug/L		101	77 - 120	1	20
Tetrachloroethene	50.0	49.3		ug/L		99	72 - 127	0	20
1,2-Dichlorobenzene	50.0	53.4		ug/L		107	77 - 121	1	20
1,3-Dichlorobenzene	50.0	54.5		ug/L		109	76 - 121	0	20
1,4-Dichlorobenzene	50.0	48.9		ug/L		98	76 - 119	2	20
cis-1,2-Dichloroethene	50.0	48.7		ug/L		97	69 - 126	0	20
cis-1,3-Dichloropropene	50.0	48.1		ug/L		96	75 - 120	1	20
1,1-Dichloroethane	50.0	47.7		ug/L		95	66 - 130	0	20
1,1-Dichloroethene	50.0	48.9		ug/L		98	62 - 130	1	21
1,2-Dichloroethane	50.0	45.0		ug/L		90	61 - 130	1	20
1,2-Dichloropropane	50.0	46.7		ug/L		93	68 - 127	1	20
1,4-Dioxane	1000	1050		ug/L		105	59 - 134	0	24
Ethylbenzene	50.0	48.7		ug/L		97	76 - 121	2	20
Ethylene Dibromide	50.0	48.7		ug/L		97	81 - 118	0	20
Trichlorofluoromethane	50.0	45.1		ug/L		90	57 - 144	4	28

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 127*
Toluene-d8 (Surr)	*100*		*80 - 125*
4-Bromofluorobenzene (Surr)	*104*		*78 - 120*
Dibromofluoromethane (Surr)	*101*		*77 - 120*

Lab Sample ID: 280-176296-W-3 MS
Matrix: Water
Analysis Batch: 612584

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	ND		200	172		ug/L		86	50 - 137
2-Butanone (MEK)	ND		200	179		ug/L		90	53 - 135
Benzene	ND		50.0	40.7		ug/L		81	69 - 126
Chlorobenzene	ND		50.0	41.8		ug/L		84	78 - 118
Carbon disulfide	ND		50.0	37.1		ug/L		74	56 - 128
Carbon tetrachloride	ND		50.0	41.5		ug/L		83	60 - 133
Cyclohexane	ND		50.0	38.6		ug/L		77	57 - 134
1,2-Dibromo-3-Chloropropane	ND		50.0	52.2		ug/L		104	58 - 122
Bromomethane	ND		50.0	44.2		ug/L		88	25 - 163
Bromoform	ND		50.0	47.2		ug/L		94	57 - 125
Chloroethane	ND		50.0	45.4		ug/L		91	52 - 144
Chloroform	ND		50.0	40.9		ug/L		82	68 - 128
Chlorobromomethane	ND		50.0	41.2		ug/L		82	71 - 130
Dichlorobromomethane	ND		50.0	41.7		ug/L		83	67 - 126
Chlorodibromomethane	ND		50.0	49.1		ug/L		98	71 - 122
Isopropylbenzene	ND		50.0	43.5		ug/L		87	70 - 127

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 280-176296-W-3 MS
Matrix: Water
Analysis Batch: 612584

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2-Hexanone	ND		200	220		ug/L		110	58 - 134
Chloromethane	ND		50.0	41.6		ug/L		83	43 - 142
Dichlorodifluoromethane	ND		50.0	33.3		ug/L		67	26 - 152
trans-1,2-Dichloroethene	ND		50.0	37.9		ug/L		76	66 - 129
trans-1,3-Dichloropropene	ND		50.0	42.9		ug/L		86	66 - 127
Methylene Chloride	ND		50.0	40.3		ug/L		81	64 - 128
Methyl acetate	ND		100	85.9		ug/L		86	59 - 133
Methyl tert-butyl ether	ND		50.0	41.5		ug/L		83	70 - 127
4-Methyl-2-pentanone (MIBK)	ND		200	200		ug/L		100	56 - 135
Methylcyclohexane	ND		50.0	38.4		ug/L		77	58 - 136
Styrene	ND		50.0	44.1		ug/L		88	79 - 120
1,1,2,2-Tetrachloroethane	ND		50.0	46.5		ug/L		93	72 - 122
1,2,3-Trichlorobenzene	ND		50.0	51.3		ug/L		103	70 - 127
1,2,4-Trichlorobenzene	ND		50.0	48.4		ug/L		97	73 - 124
Toluene	ND		50.0	38.4		ug/L		77	68 - 127
1,1,1-Trichloroethane	ND		50.0	41.1		ug/L		82	62 - 132
1,1,2-Trichloroethane	ND		50.0	44.3		ug/L		89	72 - 128
Trichloroethene	ND		50.0	41.8		ug/L		84	70 - 125
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50.0	39.7		ug/L		79	60 - 137
Vinyl chloride	ND		50.0	44.5		ug/L		89	53 - 141
m-Xylene & p-Xylene	ND		50.0	42.4		ug/L		85	76 - 122
o-Xylene	ND		50.0	42.4		ug/L		85	77 - 120
Tetrachloroethene	ND		50.0	43.1		ug/L		86	72 - 127
1,2-Dichlorobenzene	ND		50.0	47.5		ug/L		95	77 - 121
1,3-Dichlorobenzene	ND		50.0	46.4		ug/L		93	76 - 121
1,4-Dichlorobenzene	ND		50.0	43.5		ug/L		87	76 - 119
cis-1,2-Dichloroethene	ND		50.0	40.3		ug/L		81	69 - 126
cis-1,3-Dichloropropene	ND		50.0	43.2		ug/L		86	75 - 120
1,1-Dichloroethane	ND		50.0	40.5		ug/L		81	66 - 130
1,1-Dichloroethene	ND		50.0	39.9		ug/L		80	62 - 130
1,2-Dichloroethane	ND		50.0	39.3		ug/L		79	61 - 130
1,2-Dichloropropane	ND		50.0	40.5		ug/L		81	68 - 127
1,4-Dioxane	ND		1000	1060		ug/L		106	59 - 134
Ethylbenzene	ND		50.0	42.1		ug/L		84	76 - 121
Ethylene Dibromide	ND	F1	50.0	46.2		ug/L		92	81 - 118
Trichlorofluoromethane	ND		50.0	41.7		ug/L		83	57 - 144

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 127*
Toluene-d8 (Surr)	*99*		*80 - 125*
4-Bromofluorobenzene (Surr)	*99*		*78 - 120*
Dibromofluoromethane (Surr)	*99*		*77 - 120*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 280-176296-W-3 MSD
Matrix: Water
Analysis Batch: 612584

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	ND		200	175		ug/L		88	50 - 137	2	21
2-Butanone (MEK)	ND		200	184		ug/L		92	53 - 135	2	20
Benzene	ND		50.0	40.8		ug/L		82	69 - 126	0	20
Chlorobenzene	ND		50.0	41.2		ug/L		82	78 - 118	1	20
Carbon disulfide	ND		50.0	37.8		ug/L		76	56 - 128	2	20
Carbon tetrachloride	ND		50.0	42.3		ug/L		85	60 - 133	2	20
Cyclohexane	ND		50.0	39.4		ug/L		79	57 - 134	2	32
1,2-Dibromo-3-Chloropropane	ND		50.0	55.1		ug/L		110	58 - 122	5	21
Bromomethane	ND		50.0	44.2		ug/L		88	25 - 163	0	40
Bromoform	ND		50.0	45.2		ug/L		90	57 - 125	4	20
Chloroethane	ND		50.0	44.3		ug/L		89	52 - 144	3	30
Chloroform	ND		50.0	41.3		ug/L		83	68 - 128	1	20
Chlorobromomethane	ND		50.0	41.3		ug/L		83	71 - 130	0	20
Dichlorobromomethane	ND		50.0	39.7		ug/L		79	67 - 126	5	20
Chlorodibromomethane	ND		50.0	44.5		ug/L		89	71 - 122	10	20
Isopropylbenzene	ND		50.0	44.3		ug/L		89	70 - 127	2	20
2-Hexanone	ND		200	214		ug/L		107	58 - 134	3	21
Chloromethane	ND		50.0	42.5		ug/L		85	43 - 142	2	20
Dichlorodifluoromethane	ND		50.0	35.6		ug/L		71	26 - 152	7	21
trans-1,2-Dichloroethene	ND		50.0	38.3		ug/L		77	66 - 129	1	20
trans-1,3-Dichloropropene	ND		50.0	39.7		ug/L		79	66 - 127	8	20
Methylene Chloride	ND		50.0	40.2		ug/L		80	64 - 128	0	20
Methyl acetate	ND		100	84.8		ug/L		85	59 - 133	1	20
Methyl tert-butyl ether	ND		50.0	42.0		ug/L		84	70 - 127	1	20
4-Methyl-2-pentanone (MIBK)	ND		200	198		ug/L		99	56 - 135	1	20
Methylcyclohexane	ND		50.0	38.7		ug/L		77	58 - 136	1	21
Styrene	ND		50.0	43.4		ug/L		87	79 - 120	1	20
1,1,2,2-Tetrachloroethane	ND		50.0	47.2		ug/L		94	72 - 122	2	20
1,2,3-Trichlorobenzene	ND		50.0	52.1		ug/L		104	70 - 127	2	20
1,2,4-Trichlorobenzene	ND		50.0	49.7		ug/L		99	73 - 124	3	20
Toluene	ND		50.0	38.1		ug/L		76	68 - 127	1	20
1,1,1-Trichloroethane	ND		50.0	41.9		ug/L		84	62 - 132	2	20
1,1,2-Trichloroethane	ND		50.0	42.7		ug/L		85	72 - 128	4	20
Trichloroethene	ND		50.0	41.3		ug/L		83	70 - 125	1	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50.0	40.6		ug/L		81	60 - 137	2	23
Vinyl chloride	ND		50.0	46.1		ug/L		92	53 - 141	3	25
m-Xylene & p-Xylene	ND		50.0	41.6		ug/L		83	76 - 122	2	20
o-Xylene	ND		50.0	42.3		ug/L		85	77 - 120	0	20
Tetrachloroethene	ND		50.0	41.2		ug/L		82	72 - 127	5	20
1,2-Dichlorobenzene	ND		50.0	47.9		ug/L		96	77 - 121	1	20
1,3-Dichlorobenzene	ND		50.0	46.9		ug/L		94	76 - 121	1	20
1,4-Dichlorobenzene	ND		50.0	44.0		ug/L		88	76 - 119	1	20
cis-1,2-Dichloroethene	ND		50.0	40.7		ug/L		81	69 - 126	1	20
cis-1,3-Dichloropropene	ND		50.0	39.2		ug/L		78	75 - 120	10	20
1,1-Dichloroethane	ND		50.0	40.5		ug/L		81	66 - 130	0	20
1,1-Dichloroethene	ND		50.0	40.5		ug/L		81	62 - 130	2	21
1,2-Dichloroethane	ND		50.0	38.9		ug/L		78	61 - 130	1	20
1,2-Dichloropropane	ND		50.0	41.1		ug/L		82	68 - 127	1	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 280-176296-W-3 MSD
Matrix: Water
Analysis Batch: 612584

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	ND		1000	1080		ug/L		108	59 - 134	2	24
Ethylbenzene	ND		50.0	41.6		ug/L		83	76 - 121	1	20
Ethylene Dibromide	ND	F1	50.0	40.2	F1	ug/L		80	81 - 118	14	20
Trichlorofluoromethane	ND		50.0	41.6		ug/L		83	57 - 144	0	28

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 127*
Toluene-d8 (Surr)	*98*		*80 - 125*
4-Bromofluorobenzene (Surr)	*100*		*78 - 120*
Dibromofluoromethane (Surr)	*97*		*77 - 120*

Lab Sample ID: MB 280-612868/7
Matrix: Water
Analysis Batch: 612868

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		15	6.6	ug/L			05/17/23 19:09	1
2-Butanone (MEK)	ND		15	6.0	ug/L			05/17/23 19:09	1
Benzene	ND		1.0	0.31	ug/L			05/17/23 19:09	1
Chlorobenzene	ND		1.0	0.42	ug/L			05/17/23 19:09	1
Carbon disulfide	ND		2.0	0.63	ug/L			05/17/23 19:09	1
Carbon tetrachloride	ND		1.0	0.57	ug/L			05/17/23 19:09	1
Cyclohexane	ND		1.0	0.44	ug/L			05/17/23 19:09	1
1,2-Dibromo-3-Chloropropane	ND		5.0	1.8	ug/L			05/17/23 19:09	1
Bromomethane	ND		5.0	2.4	ug/L			05/17/23 19:09	1
Bromoform	ND		2.0	1.2	ug/L			05/17/23 19:09	1
Chloroethane	ND		4.0	1.4	ug/L			05/17/23 19:09	1
Chloroform	ND		1.0	0.36	ug/L			05/17/23 19:09	1
Chlorobromomethane	ND		1.0	0.40	ug/L			05/17/23 19:09	1
Dichlorobromomethane	ND		1.0	0.39	ug/L			05/17/23 19:09	1
Chlorodibromomethane	ND		2.0	0.62	ug/L			05/17/23 19:09	1
Isopropylbenzene	ND		1.0	0.36	ug/L			05/17/23 19:09	1
2-Hexanone	ND		5.0	1.7	ug/L			05/17/23 19:09	1
Chloromethane	ND		2.0	0.75	ug/L			05/17/23 19:09	1
Dichlorodifluoromethane	ND		3.0	0.96	ug/L			05/17/23 19:09	1
trans-1,2-Dichloroethene	ND		1.0	0.37	ug/L			05/17/23 19:09	1
trans-1,3-Dichloropropene	ND		2.0	0.65	ug/L			05/17/23 19:09	1
Methylene Chloride	ND		2.0	0.94	ug/L			05/17/23 19:09	1
Methyl acetate	ND		5.0	1.6	ug/L			05/17/23 19:09	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			05/17/23 19:09	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			05/17/23 19:09	1
Methylcyclohexane	ND		1.0	0.31	ug/L			05/17/23 19:09	1
Styrene	ND		1.0	0.36	ug/L			05/17/23 19:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/17/23 19:09	1
1,2,3-Trichlorobenzene	ND		2.0	0.70	ug/L			05/17/23 19:09	1
1,2,4-Trichlorobenzene	ND		1.0	0.58	ug/L			05/17/23 19:09	1
Toluene	ND		1.0	0.32	ug/L			05/17/23 19:09	1
1,1,1-Trichloroethane	ND		1.0	0.39	ug/L			05/17/23 19:09	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 280-612868/7
Matrix: Water
Analysis Batch: 612868

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/17/23 19:09	1
Trichloroethene	ND		1.0	0.30	ug/L			05/17/23 19:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.0	0.73	ug/L			05/17/23 19:09	1
Vinyl chloride	ND		2.0	0.51	ug/L			05/17/23 19:09	1
m-Xylene & p-Xylene	ND		2.0	0.36	ug/L			05/17/23 19:09	1
o-Xylene	ND		1.0	0.33	ug/L			05/17/23 19:09	1
Tetrachloroethene	ND		1.0	0.40	ug/L			05/17/23 19:09	1
1,2-Dichlorobenzene	ND		1.0	0.37	ug/L			05/17/23 19:09	1
1,3-Dichlorobenzene	ND		1.0	0.33	ug/L			05/17/23 19:09	1
1,4-Dichlorobenzene	ND		1.0	0.39	ug/L			05/17/23 19:09	1
cis-1,2-Dichloroethene	ND		1.0	0.32	ug/L			05/17/23 19:09	1
cis-1,3-Dichloropropene	ND		2.0	0.63	ug/L			05/17/23 19:09	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			05/17/23 19:09	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			05/17/23 19:09	1
1,2-Dichloroethane	ND		1.0	0.54	ug/L			05/17/23 19:09	1
1,2-Dichloropropane	ND		1.0	0.52	ug/L			05/17/23 19:09	1
1,4-Dioxane	ND		150	19	ug/L			05/17/23 19:09	1
Ethylbenzene	ND		1.0	0.30	ug/L			05/17/23 19:09	1
Ethylene Dibromide	ND		1.0	0.40	ug/L			05/17/23 19:09	1
Trichlorofluoromethane	ND		2.0	0.57	ug/L			05/17/23 19:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 127*		*05/17/23 19:09*	*1*
Toluene-d8 (Surr)	*103*		*80 - 125*		*05/17/23 19:09*	*1*
4-Bromofluorobenzene (Surr)	*101*		*78 - 120*		*05/17/23 19:09*	*1*
Dibromofluoromethane (Surr)	*98*		*77 - 120*		*05/17/23 19:09*	*1*

Lab Sample ID: LCS 280-612868/1002
Matrix: Water
Analysis Batch: 612868

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	199		ug/L		99	50 - 137
2-Butanone (MEK)	200	205		ug/L		103	53 - 135
Benzene	50.0	49.4		ug/L		99	69 - 126
Chlorobenzene	50.0	51.3		ug/L		103	78 - 118
Carbon disulfide	50.0	47.2		ug/L		94	56 - 128
Carbon tetrachloride	50.0	49.5		ug/L		99	60 - 133
Cyclohexane	50.0	44.0		ug/L		88	57 - 134
1,2-Dibromo-3-Chloropropane	50.0	53.2		ug/L		106	58 - 122
Bromomethane	50.0	47.6		ug/L		95	25 - 163
Bromoform	50.0	55.7		ug/L		111	57 - 125
Chloroethane	50.0	48.9		ug/L		98	52 - 144
Chloroform	50.0	50.1		ug/L		100	68 - 128
Chlorobromomethane	50.0	48.1		ug/L		96	71 - 130
Dichlorobromomethane	50.0	51.4		ug/L		103	67 - 126
Chlorodibromomethane	50.0	53.8		ug/L		108	71 - 122
Isopropylbenzene	50.0	52.2		ug/L		104	70 - 127

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 280-612868/1002
Matrix: Water
Analysis Batch: 612868

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Hexanone	200	231		ug/L		115	58 - 134
Chloromethane	50.0	50.0		ug/L		100	43 - 142
Dichlorodifluoromethane	50.0	46.5		ug/L		93	26 - 152
trans-1,2-Dichloroethene	50.0	48.8		ug/L		98	66 - 129
trans-1,3-Dichloropropene	50.0	52.5		ug/L		105	66 - 127
Methylene Chloride	50.0	49.5		ug/L		99	64 - 128
Methyl acetate	100	105		ug/L		105	59 - 133
Methyl tert-butyl ether	50.0	52.2		ug/L		104	70 - 127
4-Methyl-2-pentanone (MIBK)	200	223		ug/L		111	56 - 135
Methylcyclohexane	50.0	43.8		ug/L		88	58 - 136
Styrene	50.0	54.4		ug/L		109	79 - 120
1,1,2,2-Tetrachloroethane	50.0	53.9		ug/L		108	72 - 122
1,2,3-Trichlorobenzene	50.0	53.1		ug/L		106	70 - 127
1,2,4-Trichlorobenzene	50.0	49.7		ug/L		99	73 - 124
Toluene	50.0	48.9		ug/L		98	68 - 127
1,1,1-Trichloroethane	50.0	49.1		ug/L		98	62 - 132
1,1,2-Trichloroethane	50.0	52.2		ug/L		104	72 - 128
Trichloroethene	50.0	52.3		ug/L		105	70 - 125
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	41.7		ug/L		83	60 - 137
Vinyl chloride	50.0	50.6		ug/L		101	53 - 141
m-Xylene & p-Xylene	50.0	50.8		ug/L		102	76 - 122
o-Xylene	50.0	50.7		ug/L		101	77 - 120
Tetrachloroethene	50.0	52.7		ug/L		105	72 - 127
1,2-Dichlorobenzene	50.0	52.0		ug/L		104	77 - 121
1,3-Dichlorobenzene	50.0	52.1		ug/L		104	76 - 121
1,4-Dichlorobenzene	50.0	51.3		ug/L		103	76 - 119
cis-1,2-Dichloroethene	50.0	49.4		ug/L		99	69 - 126
cis-1,3-Dichloropropene	50.0	54.9		ug/L		110	75 - 120
1,1-Dichloroethane	50.0	49.1		ug/L		98	66 - 130
1,1-Dichloroethene	50.0	47.4		ug/L		95	62 - 130
1,2-Dichloroethane	50.0	48.9		ug/L		98	61 - 130
1,2-Dichloropropane	50.0	50.2		ug/L		100	68 - 127
1,4-Dioxane	1000	1010		ug/L		101	59 - 134
Ethylbenzene	50.0	52.1		ug/L		104	76 - 121
Ethylene Dibromide	50.0	53.6		ug/L		107	81 - 118
Trichlorofluoromethane	50.0	45.8		ug/L		92	57 - 144

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 127*
Toluene-d8 (Surr)	*104*		*80 - 125*
4-Bromofluorobenzene (Surr)	*101*		*78 - 120*
Dibromofluoromethane (Surr)	*97*		*77 - 120*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 280-612868/4
Matrix: Water
Analysis Batch: 612868

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	200	190		ug/L		95	50 - 137	4	21
2-Butanone (MEK)	200	196		ug/L		98	53 - 135	4	20
Benzene	50.0	49.7		ug/L		99	69 - 126	1	20
Chlorobenzene	50.0	50.7		ug/L		101	78 - 118	1	20
Carbon disulfide	50.0	46.2		ug/L		92	56 - 128	2	20
Carbon tetrachloride	50.0	49.1		ug/L		98	60 - 133	1	20
Cyclohexane	50.0	46.6		ug/L		93	57 - 134	6	32
1,2-Dibromo-3-Chloropropane	50.0	53.5		ug/L		107	58 - 122	1	21
Bromomethane	50.0	54.2		ug/L		108	25 - 163	13	40
Bromoform	50.0	54.9		ug/L		110	57 - 125	1	20
Chloroethane	50.0	50.5		ug/L		101	52 - 144	3	30
Chloroform	50.0	50.7		ug/L		101	68 - 128	1	20
Chlorobromomethane	50.0	51.4		ug/L		103	71 - 130	7	20
Dichlorobromomethane	50.0	53.0		ug/L		106	67 - 126	3	20
Chlorodibromomethane	50.0	54.8		ug/L		110	71 - 122	2	20
Isopropylbenzene	50.0	52.1		ug/L		104	70 - 127	0	20
2-Hexanone	200	223		ug/L		112	58 - 134	3	21
Chloromethane	50.0	53.3		ug/L		107	43 - 142	6	20
Dichlorodifluoromethane	50.0	51.8		ug/L		104	26 - 152	11	21
trans-1,2-Dichloroethene	50.0	47.9		ug/L		96	66 - 129	2	20
trans-1,3-Dichloropropene	50.0	53.8		ug/L		108	66 - 127	3	20
Methylene Chloride	50.0	50.7		ug/L		101	64 - 128	2	20
Methyl acetate	100	102		ug/L		102	59 - 133	3	20
Methyl tert-butyl ether	50.0	51.8		ug/L		104	70 - 127	1	20
4-Methyl-2-pentanone (MIBK)	200	217		ug/L		108	56 - 135	3	20
Methylcyclohexane	50.0	46.9		ug/L		94	58 - 136	7	21
Styrene	50.0	54.5		ug/L		109	79 - 120	0	20
1,1,2,2-Tetrachloroethane	50.0	54.3		ug/L		109	72 - 122	1	20
1,2,3-Trichlorobenzene	50.0	54.5		ug/L		109	70 - 127	3	20
1,2,4-Trichlorobenzene	50.0	52.2		ug/L		104	73 - 124	5	20
Toluene	50.0	48.6		ug/L		97	68 - 127	1	20
1,1,1-Trichloroethane	50.0	48.1		ug/L		96	62 - 132	2	20
1,1,2-Trichloroethane	50.0	53.5		ug/L		107	72 - 128	2	20
Trichloroethene	50.0	49.3		ug/L		99	70 - 125	6	20
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	45.9		ug/L		92	60 - 137	10	23
Vinyl chloride	50.0	53.1		ug/L		106	53 - 141	5	25
m-Xylene & p-Xylene	50.0	50.7		ug/L		101	76 - 122	0	20
o-Xylene	50.0	50.9		ug/L		102	77 - 120	0	20
Tetrachloroethene	50.0	50.2		ug/L		100	72 - 127	5	20
1,2-Dichlorobenzene	50.0	52.9		ug/L		106	77 - 121	2	20
1,3-Dichlorobenzene	50.0	52.8		ug/L		106	76 - 121	1	20
1,4-Dichlorobenzene	50.0	53.1		ug/L		106	76 - 119	3	20
cis-1,2-Dichloroethene	50.0	50.1		ug/L		100	69 - 126	1	20
cis-1,3-Dichloropropene	50.0	55.8		ug/L		112	75 - 120	2	20
1,1-Dichloroethane	50.0	48.6		ug/L		97	66 - 130	1	20
1,1-Dichloroethene	50.0	46.8		ug/L		94	62 - 130	1	21
1,2-Dichloroethane	50.0	50.3		ug/L		101	61 - 130	3	20
1,2-Dichloropropane	50.0	50.4		ug/L		101	68 - 127	1	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 280-612868/4
Matrix: Water
Analysis Batch: 612868

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	1000	1000		ug/L		100	59 - 134	1	24
Ethylbenzene	50.0	51.0		ug/L		102	76 - 121	2	20
Ethylene Dibromide	50.0	53.9		ug/L		108	81 - 118	1	20
Trichlorofluoromethane	50.0	49.8		ug/L		100	57 - 144	8	28

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 127*
Toluene-d8 (Surr)	*104*		*80 - 125*
4-Bromofluorobenzene (Surr)	*102*		*78 - 120*
Dibromofluoromethane (Surr)	*98*		*77 - 120*

Lab Sample ID: 240-184832-D-31 MS
Matrix: Water
Analysis Batch: 612868

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	ND		200	183		ug/L		92	50 - 137
2-Butanone (MEK)	ND		200	193		ug/L		96	53 - 135
Benzene	13		50.0	62.5		ug/L		99	69 - 126
Chlorobenzene	ND		50.0	52.4		ug/L		105	78 - 118
Carbon disulfide	ND		50.0	48.2		ug/L		96	56 - 128
Carbon tetrachloride	ND		50.0	49.5		ug/L		99	60 - 133
Cyclohexane	ND		50.0	47.4		ug/L		95	57 - 134
1,2-Dibromo-3-Chloropropane	ND		50.0	46.4		ug/L		93	58 - 122
Bromomethane	ND		50.0	31.4		ug/L		63	25 - 163
Bromoform	ND		50.0	54.2		ug/L		108	57 - 125
Chloroethane	ND		50.0	42.4		ug/L		85	52 - 144
Chloroform	ND		50.0	51.1		ug/L		102	68 - 128
Chlorobromomethane	ND		50.0	51.4		ug/L		103	71 - 130
Dichlorobromomethane	ND		50.0	51.7		ug/L		103	67 - 126
Chlorodibromomethane	ND		50.0	54.0		ug/L		108	71 - 122
Isopropylbenzene	ND		50.0	53.3		ug/L		107	70 - 127
2-Hexanone	ND		200	223		ug/L		111	58 - 134
Chloromethane	ND		50.0	44.7		ug/L		89	43 - 142
Dichlorodifluoromethane	ND		50.0	36.5		ug/L		73	26 - 152
trans-1,2-Dichloroethene	ND		50.0	49.8		ug/L		100	66 - 129
trans-1,3-Dichloropropene	ND		50.0	52.0		ug/L		104	66 - 127
Methylene Chloride	1.0	J	50.0	50.9		ug/L		100	64 - 128
Methyl acetate	ND		100	96.0		ug/L		96	59 - 133
Methyl tert-butyl ether	ND		50.0	51.8		ug/L		104	70 - 127
4-Methyl-2-pentanone (MIBK)	ND		200	211		ug/L		106	56 - 135
Methylcyclohexane	ND		50.0	46.6		ug/L		93	58 - 136
Styrene	ND		50.0	55.5		ug/L		111	79 - 120
1,1,2,2-Tetrachloroethane	ND		50.0	54.2		ug/L		108	72 - 122
1,2,3-Trichlorobenzene	ND	F2	50.0	42.5		ug/L		85	70 - 127
1,2,4-Trichlorobenzene	ND		50.0	47.3		ug/L		95	73 - 124
Toluene	ND		50.0	49.3		ug/L		99	68 - 127
1,1,1-Trichloroethane	ND		50.0	48.7		ug/L		97	62 - 132

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 240-184832-D-31 MS
Matrix: Water
Analysis Batch: 612868

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2-Trichloroethane	ND		50.0	52.0		ug/L		104	72 - 128
Trichloroethene	ND		50.0	51.9		ug/L		104	70 - 125
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50.0	45.6		ug/L		91	60 - 137
Vinyl chloride	ND		50.0	43.4		ug/L		87	53 - 141
m-Xylene & p-Xylene	ND		50.0	52.4		ug/L		105	76 - 122
o-Xylene	ND		50.0	51.9		ug/L		104	77 - 120
Tetrachloroethene	ND		50.0	52.4		ug/L		105	72 - 127
1,2-Dichlorobenzene	ND		50.0	52.1		ug/L		104	77 - 121
1,3-Dichlorobenzene	ND		50.0	53.0		ug/L		106	76 - 121
1,4-Dichlorobenzene	ND		50.0	53.5		ug/L		107	76 - 119
cis-1,2-Dichloroethene	ND		50.0	51.1		ug/L		102	69 - 126
cis-1,3-Dichloropropene	ND		50.0	55.2		ug/L		110	75 - 120
1,1-Dichloroethane	0.62	J	50.0	50.7		ug/L		100	66 - 130
1,1-Dichloroethene	ND		50.0	48.4		ug/L		97	62 - 130
1,2-Dichloroethane	ND		50.0	50.3		ug/L		101	61 - 130
1,2-Dichloropropane	ND		50.0	51.0		ug/L		102	68 - 127
1,4-Dioxane	39	J	1000	980		ug/L		94	59 - 134
Ethylbenzene	ND		50.0	53.0		ug/L		106	76 - 121
Ethylene Dibromide	ND		50.0	54.0		ug/L		108	81 - 118
Trichlorofluoromethane	ND		50.0	36.6		ug/L		73	57 - 144

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 127*
Toluene-d8 (Surr)	*105*		*80 - 125*
4-Bromofluorobenzene (Surr)	*105*		*78 - 120*
Dibromofluoromethane (Surr)	*97*		*77 - 120*

Lab Sample ID: 240-184832-I-31 MSD
Matrix: Water
Analysis Batch: 612868

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	ND		200	194		ug/L		97	50 - 137	6	21
2-Butanone (MEK)	ND		200	196		ug/L		98	53 - 135	1	20
Benzene	13		50.0	63.6		ug/L		102	69 - 126	2	20
Chlorobenzene	ND		50.0	52.5		ug/L		105	78 - 118	0	20
Carbon disulfide	ND		50.0	48.9		ug/L		98	56 - 128	2	20
Carbon tetrachloride	ND		50.0	52.4		ug/L		105	60 - 133	6	20
Cyclohexane	ND		50.0	49.9		ug/L		100	57 - 134	5	32
1,2-Dibromo-3-Chloropropane	ND		50.0	54.5		ug/L		109	58 - 122	16	21
Bromomethane	ND		50.0	41.6		ug/L		83	25 - 163	28	40
Bromoform	ND		50.0	55.5		ug/L		111	57 - 125	2	20
Chloroethane	ND		50.0	44.0		ug/L		88	52 - 144	4	30
Chloroform	ND		50.0	51.5		ug/L		103	68 - 128	1	20
Chlorobromomethane	ND		50.0	51.5		ug/L		103	71 - 130	0	20
Dichlorobromomethane	ND		50.0	53.4		ug/L		107	67 - 126	3	20
Chlorodibromomethane	ND		50.0	54.5		ug/L		109	71 - 122	1	20
Isopropylbenzene	ND		50.0	56.2		ug/L		112	70 - 127	5	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 240-184832-I-31 MSD
Matrix: Water
Analysis Batch: 612868

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Hexanone	ND		200	224		ug/L		112	58 - 134	1	21
Chloromethane	ND		50.0	47.6		ug/L		95	43 - 142	6	20
Dichlorodifluoromethane	ND		50.0	43.9		ug/L		88	26 - 152	18	21
trans-1,2-Dichloroethene	ND		50.0	51.1		ug/L		102	66 - 129	3	20
trans-1,3-Dichloropropene	ND		50.0	49.0		ug/L		98	66 - 127	6	20
Methylene Chloride	1.0	J	50.0	51.7		ug/L		101	64 - 128	2	20
Methyl acetate	ND		100	82.7		ug/L		83	59 - 133	15	20
Methyl tert-butyl ether	ND		50.0	51.9		ug/L		104	70 - 127	0	20
4-Methyl-2-pentanone (MIBK)	ND		200	218		ug/L		109	56 - 135	3	20
Methylcyclohexane	ND		50.0	46.3		ug/L		93	58 - 136	0	21
Styrene	ND		50.0	56.0		ug/L		112	79 - 120	1	20
1,1,2,2-Tetrachloroethane	ND		50.0	57.1		ug/L		114	72 - 122	5	20
1,2,3-Trichlorobenzene	ND	F2	50.0	53.6	F2	ug/L		107	70 - 127	23	20
1,2,4-Trichlorobenzene	ND		50.0	50.3		ug/L		101	73 - 124	6	20
Toluene	ND		50.0	50.0		ug/L		100	68 - 127	1	20
1,1,1-Trichloroethane	ND		50.0	51.5		ug/L		103	62 - 132	6	20
1,1,2-Trichloroethane	ND		50.0	52.9		ug/L		106	72 - 128	2	20
Trichloroethene	ND		50.0	51.8		ug/L		104	70 - 125	0	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50.0	47.3		ug/L		95	60 - 137	4	23
Vinyl chloride	ND		50.0	48.1		ug/L		96	53 - 141	10	25
m-Xylene & p-Xylene	ND		50.0	53.0		ug/L		106	76 - 122	1	20
o-Xylene	ND		50.0	52.4		ug/L		105	77 - 120	1	20
Tetrachloroethene	ND		50.0	53.5		ug/L		107	72 - 127	2	20
1,2-Dichlorobenzene	ND		50.0	54.4		ug/L		109	77 - 121	4	20
1,3-Dichlorobenzene	ND		50.0	54.5		ug/L		109	76 - 121	3	20
1,4-Dichlorobenzene	ND		50.0	54.0		ug/L		108	76 - 119	1	20
cis-1,2-Dichloroethene	ND		50.0	51.2		ug/L		102	69 - 126	0	20
cis-1,3-Dichloropropene	ND		50.0	51.5		ug/L		103	75 - 120	7	20
1,1-Dichloroethane	0.62	J	50.0	52.5		ug/L		104	66 - 130	4	20
1,1-Dichloroethene	ND		50.0	50.1		ug/L		100	62 - 130	3	21
1,2-Dichloroethane	ND		50.0	51.7		ug/L		103	61 - 130	3	20
1,2-Dichloropropane	ND		50.0	51.5		ug/L		103	68 - 127	1	20
1,4-Dioxane	39	J	1000	991		ug/L		95	59 - 134	1	24
Ethylbenzene	ND		50.0	54.2		ug/L		108	76 - 121	2	20
Ethylene Dibromide	ND		50.0	55.4		ug/L		111	81 - 118	3	20
Trichlorofluoromethane	ND		50.0	44.3		ug/L		89	57 - 144	19	28

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 127*
Toluene-d8 (Surr)	*105*		*80 - 125*
4-Bromofluorobenzene (Surr)	*103*		*78 - 120*
Dibromofluoromethane (Surr)	*97*		*77 - 120*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 280-612891/7
Matrix: Water
Analysis Batch: 612891

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		15	6.6	ug/L			05/17/23 23:21	1
2-Butanone (MEK)	ND		15	6.0	ug/L			05/17/23 23:21	1
Benzene	ND		1.0	0.31	ug/L			05/17/23 23:21	1
Chlorobenzene	ND		1.0	0.42	ug/L			05/17/23 23:21	1
Carbon disulfide	ND		2.0	0.63	ug/L			05/17/23 23:21	1
Carbon tetrachloride	ND		1.0	0.57	ug/L			05/17/23 23:21	1
Cyclohexane	ND		1.0	0.44	ug/L			05/17/23 23:21	1
1,2-Dibromo-3-Chloropropane	ND		5.0	1.8	ug/L			05/17/23 23:21	1
Bromomethane	ND		5.0	2.4	ug/L			05/17/23 23:21	1
Bromoform	ND		2.0	1.2	ug/L			05/17/23 23:21	1
Chloroethane	ND		4.0	1.4	ug/L			05/17/23 23:21	1
Chloroform	ND		1.0	0.36	ug/L			05/17/23 23:21	1
Chlorobromomethane	ND		1.0	0.40	ug/L			05/17/23 23:21	1
Dichlorobromomethane	ND		1.0	0.39	ug/L			05/17/23 23:21	1
Chlorodibromomethane	ND		2.0	0.62	ug/L			05/17/23 23:21	1
Isopropylbenzene	ND		1.0	0.36	ug/L			05/17/23 23:21	1
2-Hexanone	ND		5.0	1.7	ug/L			05/17/23 23:21	1
Chloromethane	ND		2.0	0.75	ug/L			05/17/23 23:21	1
Dichlorodifluoromethane	ND		3.0	0.96	ug/L			05/17/23 23:21	1
trans-1,2-Dichloroethene	ND		1.0	0.37	ug/L			05/17/23 23:21	1
trans-1,3-Dichloropropene	ND		2.0	0.65	ug/L			05/17/23 23:21	1
Methylene Chloride	ND		2.0	0.94	ug/L			05/17/23 23:21	1
Methyl acetate	ND		5.0	1.6	ug/L			05/17/23 23:21	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			05/17/23 23:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			05/17/23 23:21	1
Methylcyclohexane	ND		1.0	0.31	ug/L			05/17/23 23:21	1
Styrene	ND		1.0	0.36	ug/L			05/17/23 23:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/17/23 23:21	1
1,2,3-Trichlorobenzene	ND		2.0	0.70	ug/L			05/17/23 23:21	1
1,2,4-Trichlorobenzene	ND		1.0	0.58	ug/L			05/17/23 23:21	1
Toluene	ND		1.0	0.32	ug/L			05/17/23 23:21	1
1,1,1-Trichloroethane	ND		1.0	0.39	ug/L			05/17/23 23:21	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			05/17/23 23:21	1
Trichloroethene	ND		1.0	0.30	ug/L			05/17/23 23:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.0	0.73	ug/L			05/17/23 23:21	1
Vinyl chloride	ND		2.0	0.51	ug/L			05/17/23 23:21	1
m-Xylene & p-Xylene	ND		2.0	0.36	ug/L			05/17/23 23:21	1
o-Xylene	ND		1.0	0.33	ug/L			05/17/23 23:21	1
Tetrachloroethene	ND		1.0	0.40	ug/L			05/17/23 23:21	1
1,2-Dichlorobenzene	ND		1.0	0.37	ug/L			05/17/23 23:21	1
1,3-Dichlorobenzene	ND		1.0	0.33	ug/L			05/17/23 23:21	1
1,4-Dichlorobenzene	ND		1.0	0.39	ug/L			05/17/23 23:21	1
cis-1,2-Dichloroethene	ND		1.0	0.32	ug/L			05/17/23 23:21	1
cis-1,3-Dichloropropene	ND		2.0	0.63	ug/L			05/17/23 23:21	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			05/17/23 23:21	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			05/17/23 23:21	1
1,2-Dichloroethane	ND		1.0	0.54	ug/L			05/17/23 23:21	1
1,2-Dichloropropane	ND		1.0	0.52	ug/L			05/17/23 23:21	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 280-612891/7
Matrix: Water
Analysis Batch: 612891

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		150	19	ug/L			05/17/23 23:21	1
Ethylbenzene	ND		1.0	0.30	ug/L			05/17/23 23:21	1
Ethylene Dibromide	ND		1.0	0.40	ug/L			05/17/23 23:21	1
Trichlorofluoromethane	ND		2.0	0.57	ug/L			05/17/23 23:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 127*		*05/17/23 23:21*	*1*
Toluene-d8 (Surr)	*103*		*80 - 125*		*05/17/23 23:21*	*1*
4-Bromofluorobenzene (Surr)	*103*		*78 - 120*		*05/17/23 23:21*	*1*
Dibromofluoromethane (Surr)	*97*		*77 - 120*		*05/17/23 23:21*	*1*

Lab Sample ID: LCS 280-612891/1002
Matrix: Water
Analysis Batch: 612891

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	173		ug/L		86	50 - 137
2-Butanone (MEK)	200	178		ug/L		89	53 - 135
Benzene	50.0	45.4		ug/L		91	69 - 126
Chlorobenzene	50.0	48.6		ug/L		97	78 - 118
Carbon disulfide	50.0	41.9		ug/L		84	56 - 128
Carbon tetrachloride	50.0	48.9		ug/L		98	60 - 133
Cyclohexane	50.0	45.5		ug/L		91	57 - 134
1,2-Dibromo-3-Chloropropane	50.0	53.0		ug/L		106	58 - 122
Bromomethane	50.0	38.4		ug/L		77	25 - 163
Bromoform	50.0	51.9		ug/L		104	57 - 125
Chloroethane	50.0	41.8		ug/L		84	52 - 144
Chloroform	50.0	45.8		ug/L		92	68 - 128
Chlorobromomethane	50.0	46.0		ug/L		92	71 - 130
Dichlorobromomethane	50.0	45.8		ug/L		92	67 - 126
Chlorodibromomethane	50.0	50.1		ug/L		100	71 - 122
Isopropylbenzene	50.0	51.8		ug/L		104	70 - 127
2-Hexanone	200	203		ug/L		102	58 - 134
Chloromethane	50.0	42.4		ug/L		85	43 - 142
Dichlorodifluoromethane	50.0	39.1		ug/L		78	26 - 152
trans-1,2-Dichloroethene	50.0	44.4		ug/L		89	66 - 129
trans-1,3-Dichloropropene	50.0	46.3		ug/L		93	66 - 127
Methylene Chloride	50.0	45.7		ug/L		91	64 - 128
Methyl acetate	100	90.2		ug/L		90	59 - 133
Methyl tert-butyl ether	50.0	45.6		ug/L		91	70 - 127
4-Methyl-2-pentanone (MIBK)	200	195		ug/L		97	56 - 135
Methylcyclohexane	50.0	45.1		ug/L		90	58 - 136
Styrene	50.0	50.7		ug/L		101	79 - 120
1,1,2,2-Tetrachloroethane	50.0	47.9		ug/L		96	72 - 122
1,2,3-Trichlorobenzene	50.0	50.7		ug/L		101	70 - 127
1,2,4-Trichlorobenzene	50.0	48.5		ug/L		97	73 - 124
Toluene	50.0	45.5		ug/L		91	68 - 127
1,1,1-Trichloroethane	50.0	47.1		ug/L		94	62 - 132

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 280-612891/1002
Matrix: Water
Analysis Batch: 612891

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2-Trichloroethane	50.0	47.6		ug/L		95	72 - 128
Trichloroethene	50.0	46.6		ug/L		93	70 - 125
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	49.6		ug/L		99	60 - 137
Vinyl chloride	50.0	40.6		ug/L		81	53 - 141
m-Xylene & p-Xylene	50.0	50.0		ug/L		100	76 - 122
o-Xylene	50.0	50.0		ug/L		100	77 - 120
Tetrachloroethene	50.0	49.3		ug/L		99	72 - 127
1,2-Dichlorobenzene	50.0	53.0		ug/L		106	77 - 121
1,3-Dichlorobenzene	50.0	52.5		ug/L		105	76 - 121
1,4-Dichlorobenzene	50.0	48.7		ug/L		97	76 - 119
cis-1,2-Dichloroethene	50.0	45.2		ug/L		90	69 - 126
cis-1,3-Dichloropropene	50.0	46.6		ug/L		93	75 - 120
1,1-Dichloroethane	50.0	44.0		ug/L		88	66 - 130
1,1-Dichloroethene	50.0	46.5		ug/L		93	62 - 130
1,2-Dichloroethane	50.0	40.8		ug/L		82	61 - 130
1,2-Dichloropropane	50.0	44.0		ug/L		88	68 - 127
1,4-Dioxane	1000	1020		ug/L		102	59 - 134
Ethylbenzene	50.0	50.0		ug/L		100	76 - 121
Ethylene Dibromide	50.0	47.8		ug/L		96	81 - 118
Trichlorofluoromethane	50.0	42.5		ug/L		85	57 - 144

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 127*
Toluene-d8 (Surr)	*102*		*80 - 125*
4-Bromofluorobenzene (Surr)	*102*		*78 - 120*
Dibromofluoromethane (Surr)	*98*		*77 - 120*

Lab Sample ID: LCSD 280-612891/4
Matrix: Water
Analysis Batch: 612891

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	200	173		ug/L		87	50 - 137	0	21
2-Butanone (MEK)	200	177		ug/L		88	53 - 135	0	20
Benzene	50.0	44.3		ug/L		89	69 - 126	2	20
Chlorobenzene	50.0	48.4		ug/L		97	78 - 118	0	20
Carbon disulfide	50.0	42.6		ug/L		85	56 - 128	2	20
Carbon tetrachloride	50.0	49.5		ug/L		99	60 - 133	1	20
Cyclohexane	50.0	46.3		ug/L		93	57 - 134	2	32
1,2-Dibromo-3-Chloropropane	50.0	52.2		ug/L		104	58 - 122	1	21
Bromomethane	50.0	39.2		ug/L		78	25 - 163	2	40
Bromoform	50.0	51.0		ug/L		102	57 - 125	2	20
Chloroethane	50.0	40.2		ug/L		80	52 - 144	4	30
Chloroform	50.0	45.3		ug/L		91	68 - 128	1	20
Chlorobromomethane	50.0	45.7		ug/L		91	71 - 130	1	20
Dichlorobromomethane	50.0	45.8		ug/L		92	67 - 126	0	20
Chlorodibromomethane	50.0	50.0		ug/L		100	71 - 122	0	20
Isopropylbenzene	50.0	52.6		ug/L		105	70 - 127	1	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 280-612891/4
Matrix: Water
Analysis Batch: 612891

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Hexanone	200	203		ug/L		101	58 - 134	0	21
Chloromethane	50.0	42.3		ug/L		85	43 - 142	0	20
Dichlorodifluoromethane	50.0	39.3		ug/L		79	26 - 152	1	21
trans-1,2-Dichloroethene	50.0	43.7		ug/L		87	66 - 129	1	20
trans-1,3-Dichloropropene	50.0	46.7		ug/L		93	66 - 127	1	20
Methylene Chloride	50.0	45.4		ug/L		91	64 - 128	1	20
Methyl acetate	100	89.5		ug/L		90	59 - 133	1	20
Methyl tert-butyl ether	50.0	46.2		ug/L		92	70 - 127	1	20
4-Methyl-2-pentanone (MIBK)	200	195		ug/L		98	56 - 135	0	20
Methylcyclohexane	50.0	45.8		ug/L		92	58 - 136	1	21
Styrene	50.0	49.8		ug/L		100	79 - 120	2	20
1,1,2,2-Tetrachloroethane	50.0	48.3		ug/L		97	72 - 122	1	20
1,2,3-Trichlorobenzene	50.0	52.0		ug/L		104	70 - 127	3	20
1,2,4-Trichlorobenzene	50.0	50.3		ug/L		101	73 - 124	4	20
Toluene	50.0	45.7		ug/L		91	68 - 127	0	20
1,1,1-Trichloroethane	50.0	48.2		ug/L		96	62 - 132	2	20
1,1,2-Trichloroethane	50.0	46.6		ug/L		93	72 - 128	2	20
Trichloroethene	50.0	46.8		ug/L		94	70 - 125	1	20
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	49.9		ug/L		100	60 - 137	1	23
Vinyl chloride	50.0	40.5		ug/L		81	53 - 141	0	25
m-Xylene & p-Xylene	50.0	49.8		ug/L		100	76 - 122	0	20
o-Xylene	50.0	48.9		ug/L		98	77 - 120	2	20
Tetrachloroethene	50.0	49.5		ug/L		99	72 - 127	0	20
1,2-Dichlorobenzene	50.0	52.7		ug/L		105	77 - 121	1	20
1,3-Dichlorobenzene	50.0	52.6		ug/L		105	76 - 121	0	20
1,4-Dichlorobenzene	50.0	48.7		ug/L		97	76 - 119	0	20
cis-1,2-Dichloroethene	50.0	45.8		ug/L		92	69 - 126	1	20
cis-1,3-Dichloropropene	50.0	46.3		ug/L		93	75 - 120	1	20
1,1-Dichloroethane	50.0	44.3		ug/L		89	66 - 130	1	20
1,1-Dichloroethene	50.0	47.0		ug/L		94	62 - 130	1	21
1,2-Dichloroethane	50.0	40.7		ug/L		81	61 - 130	0	20
1,2-Dichloropropane	50.0	43.9		ug/L		88	68 - 127	0	20
1,4-Dioxane	1000	1030		ug/L		103	59 - 134	1	24
Ethylbenzene	50.0	50.2		ug/L		100	76 - 121	0	20
Ethylene Dibromide	50.0	47.6		ug/L		95	81 - 118	0	20
Trichlorofluoromethane	50.0	41.6		ug/L		83	57 - 144	2	28

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 127*
Toluene-d8 (Surr)	*102*		*80 - 125*
4-Bromofluorobenzene (Surr)	*103*		*78 - 120*
Dibromofluoromethane (Surr)	*97*		*77 - 120*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Lab Sample ID: MB 580-425808/6
Matrix: Water
Analysis Batch: 425808

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.050	0.014	mg/L			05/12/23 14:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*77 - 123*		*05/12/23 14:36*	*1*

Lab Sample ID: LCS 580-425808/9
Matrix: Water
Analysis Batch: 425808

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline	1.00	1.02		mg/L		102	55 - 148

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*77 - 123*

Lab Sample ID: LCSD 580-425808/10
Matrix: Water
Analysis Batch: 425808

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline	1.00	1.02		mg/L		102	55 - 148	0	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*77 - 123*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 280-612492/1-A
Matrix: Solid
Analysis Batch: 612910

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 612492

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		330	28	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
1,2-Dichlorobenzene	ND		330	22	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
1,3-Dichlorobenzene	ND		330	12	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
2,2'-oxybis[1-chloropropane]	ND		330	23	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
2,4,5-Trichlorophenol	ND		330	10	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
2,4,6-Trichlorophenol	ND		330	10	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
2,4-Dimethylphenol	ND		330	66	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
2,4-Dinitrotoluene	ND		330	66	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
2,4-Dinitrophenol	ND		1600	330	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
2,4-Dichlorophenol	ND		330	10	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
2-Chlorophenol	ND		330	21	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
2-Chloronaphthalene	ND		330	10	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
2-Nitrophenol	ND		330	10	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
2-Methylphenol	ND		330	13	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
2-Nitroaniline	ND		1600	50	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
3-Nitroaniline	ND		1600	73	ug/Kg		05/15/23 15:08	05/18/23 12:25	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 280-612492/1-A
Matrix: Solid
Analysis Batch: 612910

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 612492

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,6-Dinitro-2-methylphenol	ND		1600	330	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
4-Bromophenyl phenyl ether	ND		330	19	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
4-Chloro-3-methylphenol	ND		330	25	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
4-Chloroaniline	ND		330	82	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
4-Chlorophenyl phenyl ether	ND		330	21	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
4-Nitrophenol	ND		1600	97	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
4-Nitroaniline	ND		1600	73	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
Acenaphthene	ND		330	10	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
Benzo[k]fluoranthene	ND		330	40	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
Anthracene	ND		330	17	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
Acetophenone	ND		330	20	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
Acenaphthylene	ND		330	82	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
Benzo[a]anthracene	ND		330	20	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
Benzo[b]fluoranthene	ND		330	26	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
Benzo[g,h,i]perylene	ND		330	16	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
Benzo[a]pyrene	ND		330	20	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
Benzyl alcohol	ND		330	10	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
Bis(2-chloroethoxy)methane	ND		330	23	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
Bis(2-chloroethyl)ether	ND		330	17	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
Bis(2-ethylhexyl) phthalate	ND		330	46	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
Butyl benzyl phthalate	ND		330	43	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
Carbazole	ND		330	36	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
Chrysene	ND		330	27	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
Dibenz(a,h)anthracene	ND		330	19	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
Di-n-butyl phthalate	ND		330	29	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
Di-n-octyl phthalate	ND		330	41	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
Dibenzofuran	ND		330	20	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
Diethyl phthalate	ND		660	26	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
Dimethyl phthalate	ND		330	23	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
Fluoranthene	ND		330	36	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
Fluorene	ND		330	18	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
Hexachlorobenzene	ND		330	29	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
Hexachlorobutadiene	ND		330	10	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
Hexachlorocyclopentadiene	ND		1600	110	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
Hexachloroethane	ND		330	21	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
Indeno[1,2,3-cd]pyrene	ND		330	22	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
Isophorone	ND		330	17	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
N-Nitrosodi-n-propylamine	ND		330	68	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
N-Nitrosodiphenylamine	ND		330	21	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
Pentachlorophenol	ND		1600	330	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
Phenanthrene	ND		330	17	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
Phenol	ND		330	18	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
Pyrene	ND		330	12	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
1,4-Dichlorobenzene	ND		330	14	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
Naphthalene	ND		330	31	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
2-Methylnaphthalene	ND		330	19	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
Nitrobenzene	ND		330	22	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
3,3'-Dichlorobenzidine	ND		660	90	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
3 & 4 Methylphenol	ND		330	33	ug/Kg		05/15/23 15:08	05/18/23 12:25	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 280-612492/1-A
Matrix: Solid
Analysis Batch: 612910

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 612492

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		330	24	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
1,2,4,5-Tetrachlorobenzene	ND		330	49	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
1,3-Dinitrobenzene	ND		330	71	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
1-Methylnaphthalene	ND		330	11	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
2,3,4,6-Tetrachlorophenol	ND		1600	140	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
2,6-Dichlorophenol	ND		330	22	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
2,6-Dinitrotoluene	ND		330	28	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
Aniline	ND		330	130	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
Azobenzene	ND		330	22	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
Benzaldehyde	ND		330	67	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
Benzidine	ND		3300	990	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
Caprolactam	ND		330	110	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
Diphenylamine	ND		330	44	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
N-Nitrosodimethylamine	ND		330	37	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
Pyridine	ND		660	40	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
Hexadecane	ND		330	13	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
1,2-Diphenylhydrazine(as Azobenzene)	ND		330	22	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
3-Methylphenol	ND		330	33	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
4-Methylphenol	ND		330	33	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
Benzoic acid	ND		1600	330	ug/Kg		05/15/23 15:08	05/18/23 12:25	1
Famphur	ND		660	34	ug/Kg		05/15/23 15:08	05/18/23 12:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*101*		*33 - 135*	*05/15/23 15:08*	*05/18/23 12:25*	*1*
2-Fluorophenol (Surr)	*97*		*39 - 135*	*05/15/23 15:08*	*05/18/23 12:25*	*1*
2,4,6-Tribromophenol (Surr)	*90*		*24 - 135*	*05/15/23 15:08*	*05/18/23 12:25*	*1*
Nitrobenzene-d5 (Surr)	*98*		*32 - 135*	*05/15/23 15:08*	*05/18/23 12:25*	*1*
Phenol-d5 (Surr)	*104*		*39 - 135*	*05/15/23 15:08*	*05/18/23 12:25*	*1*
Terphenyl-d14 (Surr)	*123*		*30 - 135*	*05/15/23 15:08*	*05/18/23 12:25*	*1*

Lab Sample ID: LCS 280-612492/2-A
Matrix: Solid
Analysis Batch: 612910

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 612492

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trichlorobenzene	2670	2490		ug/Kg		93	57 - 105
1,2-Dichlorobenzene	2670	2290		ug/Kg		86	55 - 106
1,3-Dichlorobenzene	2670	2310		ug/Kg		87	54 - 104
2,2'-oxybis[1-chloropropane]	2670	2120		ug/Kg		80	52 - 110
2,4,5-Trichlorophenol	2670	3110		ug/Kg		117	55 - 126
2,4,6-Trichlorophenol	2670	3130		ug/Kg		117	55 - 135
2,4-Dimethylphenol	2670	2870		ug/Kg		108	60 - 111
2,4-Dinitrotoluene	2670	3170		ug/Kg		119	59 - 127
2,4-Dinitrophenol	5330	6230	*+	ug/Kg		117	49 - 111
2,4-Dichlorophenol	2670	2870		ug/Kg		108	54 - 114
2-Chlorophenol	2670	2720		ug/Kg		102	58 - 110
2-Chloronaphthalene	2670	3030		ug/Kg		114	53 - 121
2-Nitrophenol	2670	2780		ug/Kg		104	59 - 109

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 280-612492/2-A
Matrix: Solid
Analysis Batch: 612910

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 612492

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Methylphenol	2670	2720		ug/Kg		102	57 - 112
2-Nitroaniline	2670	2910		ug/Kg		109	59 - 123
3-Nitroaniline	2670	1320	J	ug/Kg		49	39 - 107
4,6-Dinitro-2-methylphenol	5330	5330		ug/Kg		100	60 - 109
4-Bromophenyl phenyl ether	2670	2870		ug/Kg		108	65 - 111
4-Chloro-3-methylphenol	2670	3050	*+	ug/Kg		114	65 - 113
4-Chloroaniline	2670	921		ug/Kg		35	28 - 93
4-Chlorophenyl phenyl ether	2670	2800		ug/Kg		105	57 - 122
4-Nitrophenol	5330	5900		ug/Kg		111	59 - 128
4-Nitroaniline	2670	2490		ug/Kg		93	50 - 121
Acenaphthene	2670	2800		ug/Kg		105	49 - 130
Benzo[k]fluoranthene	2670	3210	*+	ug/Kg		120	68 - 119
Anthracene	2670	2810		ug/Kg		105	66 - 112
Acetophenone	2670	2460		ug/Kg		92	42 - 97
Acenaphthylene	2670	2730		ug/Kg		102	57 - 118
Benzo[a]anthracene	2670	3160	*+	ug/Kg		118	64 - 114
Benzo[b]fluoranthene	2670	3110	*+	ug/Kg		117	66 - 114
Benzo[g,h,i]perylene	2670	2980		ug/Kg		112	66 - 112
Benzo[a]pyrene	2670	2870		ug/Kg		107	67 - 110
Benzyl alcohol	2670	2500		ug/Kg		94	57 - 108
Bis(2-chloroethoxy)methane	2670	2840	*+	ug/Kg		107	58 - 106
Bis(2-chloroethyl)ether	2670	3730	*+	ug/Kg		140	58 - 110
Bis(2-ethylhexyl) phthalate	2670	3190	*+	ug/Kg		120	63 - 115
Butyl benzyl phthalate	2670	3240	*+	ug/Kg		121	63 - 116
Carbazole	2670	2890		ug/Kg		108	67 - 112
Chrysene	2670	2930		ug/Kg		110	66 - 116
Dibenz(a,h)anthracene	2670	2960	*+	ug/Kg		111	67 - 108
Di-n-butyl phthalate	2670	3190	*+	ug/Kg		120	68 - 111
Di-n-octyl phthalate	2670	3010		ug/Kg		113	59 - 113
Dibenzofuran	2670	2890		ug/Kg		108	57 - 122
Diethyl phthalate	2670	3020		ug/Kg		113	62 - 124
Dimethyl phthalate	2670	2940		ug/Kg		110	61 - 123
Fluoranthene	2670	2970		ug/Kg		111	67 - 111
Fluorene	2670	2870		ug/Kg		107	49 - 133
Hexachlorobenzene	2670	2800		ug/Kg		105	64 - 112
Hexachlorobutadiene	2670	2400		ug/Kg		90	57 - 104
Hexachlorocyclopentadiene	5350	5800	*+	ug/Kg		108	49 - 102
Hexachloroethane	2670	2250		ug/Kg		85	54 - 103
Indeno[1,2,3-cd]pyrene	2670	2650		ug/Kg		100	54 - 114
Isophorone	2670	2590		ug/Kg		97	55 - 100
N-Nitrosodi-n-propylamine	2670	2600		ug/Kg		98	56 - 108
N-Nitrosodiphenylamine	2670	2810	*+	ug/Kg		105	67 - 102
Pentachlorophenol	5330	5590		ug/Kg		105	54 - 112
Phenanthrene	2670	2840		ug/Kg		107	63 - 117
Phenol	2670	2740		ug/Kg		103	56 - 113
Pyrene	2670	2970		ug/Kg		111	62 - 118
1,4-Dichlorobenzene	2670	2240		ug/Kg		84	54 - 105
Naphthalene	2670	2490		ug/Kg		93	59 - 106
2-Methylnaphthalene	2670	2560		ug/Kg		96	55 - 113

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 280-612492/2-A
Matrix: Solid
Analysis Batch: 612910

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 612492

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrobenzene	2670	2430		ug/Kg		91	57 - 105
3,3'-Dichlorobenzidine	5330	2080	*-	ug/Kg		39	49 - 103
3 & 4 Methylphenol	2670	2930		ug/Kg		110	54 - 114
1,1'-Biphenyl	2670	2760		ug/Kg		104	53 - 122
1,2,4,5-Tetrachlorobenzene	2670	2590		ug/Kg		97	53 - 112
1,3-Dinitrobenzene	2670	3130		ug/Kg		117	63 - 128
1-Methylnaphthalene	2670	2610		ug/Kg		98	60 - 110
2,3,4,6-Tetrachlorophenol	2670	3260		ug/Kg		122	60 - 126
2,6-Dichlorophenol	2670	2910		ug/Kg		109	55 - 113
2,6-Dinitrotoluene	2670	3020		ug/Kg		113	58 - 126
Aniline	2670	260	J *-	ug/Kg		10	24 - 91
Azobenzene	2670	2890		ug/Kg		108	60 - 118
Benzaldehyde	2670	589		ug/Kg		22	10 - 91
Benzidine	5330	ND		ug/Kg		15	5 - 55
Caprolactam	2670	2720		ug/Kg		102	57 - 104
Diphenylamine	2270	2420		ug/Kg		107	61 - 122
N-Nitrosodimethylamine	2670	2140		ug/Kg		80	50 - 102
Pyridine	5330	1300	*-	ug/Kg		24	32 - 79
Hexadecane	2670	2700		ug/Kg		101	54 - 115
1,2-Diphenylhydrazine(as Azobenzene)	2700	2920		ug/Kg		108	60 - 118
3-Methylphenol	2670	2930		ug/Kg		110	54 - 114
4-Methylphenol	2670	2930		ug/Kg		110	54 - 114
Benzoic acid	2670	632	J *-	ug/Kg		24	43 - 115
Famphur	2670	2240		ug/Kg		84	19 - 95

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*102*		*33 - 135*
2-Fluorophenol (Surr)	*100*		*39 - 135*
2,4,6-Tribromophenol (Surr)	*115*		*24 - 135*
Nitrobenzene-d5 (Surr)	*101*		*32 - 135*
Phenol-d5 (Surr)	*110*		*39 - 135*
Terphenyl-d14 (Surr)	*114*		*30 - 135*

Lab Sample ID: 280-176200-15 MS
Matrix: Solid
Analysis Batch: 612910

Client Sample ID: DU01-230504-0.5
Prep Type: Total/NA
Prep Batch: 612492

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trichlorobenzene	ND		2550	2240		ug/Kg		88	57 - 105
1,2-Dichlorobenzene	ND		2550	2130		ug/Kg		83	55 - 106
1,3-Dichlorobenzene	ND		2550	2120		ug/Kg		83	54 - 104
2,2'-oxybis[1-chloropropane]	ND		2550	1990		ug/Kg		78	52 - 110
2,4,5-Trichlorophenol	ND		2550	2800		ug/Kg		110	55 - 126
2,4,6-Trichlorophenol	ND		2550	2820		ug/Kg		111	55 - 135
2,4-Dimethylphenol	ND		2550	2410		ug/Kg		95	60 - 111
2,4-Dinitrotoluene	ND		2550	2710		ug/Kg		107	59 - 127
2,4-Dinitrophenol	ND	F1 *+	5100	1250	J F1	ug/Kg		25	49 - 111
2,4-Dichlorophenol	ND		2550	2680		ug/Kg		105	54 - 114

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 280-176200-15 MS
Matrix: Solid
Analysis Batch: 612910

Client Sample ID: DU01-230504-0.5
Prep Type: Total/NA
Prep Batch: 612492

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2-Chlorophenol	ND		2550	2440		ug/Kg		96	58 - 110
2-Chloronaphthalene	ND	F1	2550	3090		ug/Kg		121	53 - 121
2-Nitrophenol	ND		2550	2440		ug/Kg		96	59 - 109
2-Methylphenol	ND		2550	2520		ug/Kg		99	57 - 112
2-Nitroaniline	ND		2550	2660		ug/Kg		105	59 - 123
3-Nitroaniline	ND		2550	2450		ug/Kg		96	39 - 107
4,6-Dinitro-2-methylphenol	ND	F1	5100	2710	F1	ug/Kg		53	60 - 109
4-Bromophenyl phenyl ether	ND		2550	2670		ug/Kg		105	65 - 111
4-Chloro-3-methylphenol	ND	*+	2550	2870		ug/Kg		113	65 - 113
4-Chloroaniline	ND		2550	1350		ug/Kg		53	28 - 93
4-Chlorophenyl phenyl ether	ND		2550	2510		ug/Kg		99	57 - 122
4-Nitrophenol	ND		5100	4890		ug/Kg		96	59 - 128
4-Nitroaniline	ND		2550	2600		ug/Kg		102	50 - 121
Acenaphthene	ND		2550	2540		ug/Kg		100	49 - 130
Benzo[k]fluoranthene	ND	*+	2550	2400		ug/Kg		94	68 - 119
Anthracene	ND		2550	2600		ug/Kg		102	66 - 112
Acetophenone	ND		2550	1900		ug/Kg		75	42 - 97
Acenaphthylene	ND		2550	2500		ug/Kg		98	57 - 118
Benzo[a]anthracene	36	J F1 *+	2550	3000	F1	ug/Kg		116	64 - 114
Benzo[b]fluoranthene	200	J *+	2550	2780		ug/Kg		101	66 - 114
Benzo[g,h,i]perylene	ND		2550	2560		ug/Kg		100	66 - 112
Benzo[a]pyrene	90	J	2550	2500		ug/Kg		95	67 - 110
Benzyl alcohol	ND		2550	2520		ug/Kg		99	57 - 108
Bis(2-chloroethoxy)methane	ND	*+	2550	2460		ug/Kg		96	58 - 106
Bis(2-chloroethyl)ether	ND	*+	2550	2190		ug/Kg		86	58 - 110
Bis(2-ethylhexyl) phthalate	ND	F1 *+	2550	3200	F1	ug/Kg		126	63 - 115
Butyl benzyl phthalate	ND	F1 *+	2550	3150	F1	ug/Kg		124	63 - 116
Carbazole	ND		2550	2750		ug/Kg		108	67 - 112
Chrysene	36	J	2550	2580		ug/Kg		100	66 - 116
Dibenz(a,h)anthracene	ND	F1 *+	2550	2830	F1	ug/Kg		111	67 - 108
Di-n-butyl phthalate	ND	F1 *+	2550	2960	F1	ug/Kg		116	68 - 111
Di-n-octyl phthalate	ND	F1	2550	3530	F1	ug/Kg		139	59 - 113
Dibenzofuran	ND		2550	2600		ug/Kg		102	57 - 122
Diethyl phthalate	ND		2550	2670		ug/Kg		105	62 - 124
Dimethyl phthalate	ND		2550	2620		ug/Kg		103	61 - 123
Fluoranthene	ND		2550	2730		ug/Kg		107	67 - 111
Fluorene	ND		2550	2560		ug/Kg		100	49 - 133
Hexachlorobenzene	ND		2550	2620		ug/Kg		103	64 - 112
Hexachlorobutadiene	ND		2550	2210		ug/Kg		87	57 - 104
Hexachlorocyclopentadiene	ND	*+	5110	2960		ug/Kg		58	49 - 102
Hexachloroethane	ND		2550	1950		ug/Kg		77	54 - 103
Indeno[1,2,3-cd]pyrene	ND	F1	2550	3020	F1	ug/Kg		118	54 - 114
Isophorone	ND		2550	2300		ug/Kg		90	55 - 100
N-Nitrosodi-n-propylamine	ND		2550	2320		ug/Kg		91	56 - 108
N-Nitrosodiphenylamine	ND	F1 *+	2550	2660	F1	ug/Kg		104	67 - 102
Pentachlorophenol	ND		5100	4630		ug/Kg		91	54 - 112
Phenanthrene	ND		2550	2640		ug/Kg		104	63 - 117
Phenol	ND		2550	2470		ug/Kg		97	56 - 113
Pyrene	29	J	2550	2760		ug/Kg		107	62 - 118

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 280-176200-15 MS
Matrix: Solid
Analysis Batch: 612910

Client Sample ID: DU01-230504-0.5
Prep Type: Total/NA
Prep Batch: 612492

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dichlorobenzene	ND		2550	2020		ug/Kg		79	54 - 105
Naphthalene	ND		2550	2300		ug/Kg		90	59 - 106
2-Methylnaphthalene	ND		2550	2300		ug/Kg		90	55 - 113
Nitrobenzene	ND		2550	2150		ug/Kg		84	57 - 105
3,3'-Dichlorobenzidine	ND	*-	5100	3580		ug/Kg		70	49 - 103
3 & 4 Methylphenol	ND		2550	2700		ug/Kg		106	54 - 114
1,1'-Biphenyl	ND		2550	2510		ug/Kg		99	53 - 122
1,2,4,5-Tetrachlorobenzene	ND		2550	2390		ug/Kg		94	53 - 112
1,3-Dinitrobenzene	ND		2550	2730		ug/Kg		107	63 - 128
1-Methylnaphthalene	ND		2550	2410		ug/Kg		95	60 - 110
2,3,4,6-Tetrachlorophenol	ND		2550	2790		ug/Kg		109	60 - 126
2,6-Dichlorophenol	ND		2550	2580		ug/Kg		101	55 - 113
2,6-Dinitrotoluene	ND		2550	2700		ug/Kg		106	58 - 126
Aniline	ND	F2 *-	2550	986		ug/Kg		39	24 - 91
Azobenzene	ND		2550	2520		ug/Kg		99	60 - 118
Benzaldehyde	ND		2550	1930		ug/Kg		76	10 - 91
Benzidine	ND	F1	5100	ND	F1	ug/Kg		0	5 - 55
Caprolactam	ND	F1	2550	1480		ug/Kg		58	57 - 104
Diphenylamine	ND		2170	2220		ug/Kg		102	61 - 122
N-Nitrosodimethylamine	ND		2550	1980		ug/Kg		78	50 - 102
Pyridine	ND	*-	5100	1710		ug/Kg		34	32 - 79
Hexadecane	ND		2550	2490		ug/Kg		98	54 - 115
1,2-Diphenylhydrazine(as Azobenzene)	ND		2580	2550		ug/Kg		99	60 - 118
3-Methylphenol	ND		2550	2700		ug/Kg		106	54 - 114
4-Methylphenol	ND		2550	2700		ug/Kg		106	54 - 114
Benzoic acid	ND	F2 F1 *-	2550	368	J F1	ug/Kg		14	43 - 115
Famphur	ND	F1	2550	2810	F1	ug/Kg		110	19 - 95

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*98*		*33 - 135*
2-Fluorophenol (Surr)	*95*		*39 - 135*
2,4,6-Tribromophenol (Surr)	*109*		*24 - 135*
Nitrobenzene-d5 (Surr)	*93*		*32 - 135*
Phenol-d5 (Surr)	*104*		*39 - 135*
Terphenyl-d14 (Surr)	*111*		*30 - 135*

Lab Sample ID: 280-176200-15 MSD
Matrix: Solid
Analysis Batch: 612910

Client Sample ID: DU01-230504-0.5
Prep Type: Total/NA
Prep Batch: 612492

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	ND		2650	2410		ug/Kg		91	57 - 105	8	30
1,2-Dichlorobenzene	ND		2650	2170		ug/Kg		82	55 - 106	2	30
1,3-Dichlorobenzene	ND		2650	2240		ug/Kg		85	54 - 104	5	30
2,2'-oxybis[1-chloropropane]	ND		2650	2080		ug/Kg		78	52 - 110	4	30
2,4,5-Trichlorophenol	ND		2650	2890		ug/Kg		109	55 - 126	3	30
2,4,6-Trichlorophenol	ND		2650	2920		ug/Kg		110	55 - 135	4	30
2,4-Dimethylphenol	ND		2650	2610		ug/Kg		99	60 - 111	8	30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 280-176200-15 MSD
Matrix: Solid
Analysis Batch: 612910

Client Sample ID: DU01-230504-0.5
Prep Type: Total/NA
Prep Batch: 612492

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-Dinitrotoluene	ND		2650	2810		ug/Kg		106	59 - 127	3	30
2,4-Dinitrophenol	ND	F1 *+	5300	1480	J F1	ug/Kg		28	49 - 111	17	30
2,4-Dichlorophenol	ND		2650	2720		ug/Kg		103	54 - 114	2	30
2-Chlorophenol	ND		2650	2610		ug/Kg		99	58 - 110	7	30
2-Chloronaphthalene	ND	F1	2650	3230	F1	ug/Kg		122	53 - 121	4	30
2-Nitrophenol	ND		2650	2640		ug/Kg		100	59 - 109	8	30
2-Methylphenol	ND		2650	2660		ug/Kg		100	57 - 112	6	30
2-Nitroaniline	ND		2650	2750		ug/Kg		104	59 - 123	3	30
3-Nitroaniline	ND		2650	2750		ug/Kg		104	39 - 107	12	30
4,6-Dinitro-2-methylphenol	ND	F1	5300	2810	F1	ug/Kg		53	60 - 109	4	30
4-Bromophenyl phenyl ether	ND		2650	2810		ug/Kg		106	65 - 111	5	30
4-Chloro-3-methylphenol	ND	*+	2650	2960		ug/Kg		112	65 - 113	3	30
4-Chloroaniline	ND		2650	1730		ug/Kg		65	28 - 93	25	30
4-Chlorophenyl phenyl ether	ND		2650	2560		ug/Kg		97	57 - 122	2	30
4-Nitrophenol	ND		5300	4940		ug/Kg		93	59 - 128	1	30
4-Nitroaniline	ND		2650	2640		ug/Kg		100	50 - 121	2	30
Acenaphthene	ND		2650	2600		ug/Kg		98	49 - 130	3	30
Benzo[k]fluoranthene	ND	*+	2650	2560		ug/Kg		97	68 - 119	7	30
Anthracene	ND		2650	2760		ug/Kg		104	66 - 112	6	30
Acetophenone	ND		2650	2080		ug/Kg		78	42 - 97	9	30
Acenaphthylene	ND		2650	2570		ug/Kg		97	57 - 118	3	30
Benzo[a]anthracene	36	J F1 *+	2650	3240	F1	ug/Kg		121	64 - 114	8	30
Benzo[b]fluoranthene	200	J *+	2650	3060		ug/Kg		108	66 - 114	9	30
Benzo[g,h,i]perylene	ND		2650	2780		ug/Kg		105	66 - 112	8	30
Benzo[a]pyrene	90	J	2650	2670		ug/Kg		97	67 - 110	6	30
Benzyl alcohol	ND		2650	2680		ug/Kg		101	57 - 108	6	30
Bis(2-chloroethoxy)methane	ND	*+	2650	2630		ug/Kg		99	58 - 106	7	30
Bis(2-chloroethyl)ether	ND	*+	2650	2290		ug/Kg		86	58 - 110	4	30
Bis(2-ethylhexyl) phthalate	ND	F1 *+	2650	3340	F1	ug/Kg		126	63 - 115	4	30
Butyl benzyl phthalate	ND	F1 *+	2650	3250	F1	ug/Kg		123	63 - 116	3	30
Carbazole	ND		2650	2820		ug/Kg		106	67 - 112	3	30
Chrysene	36	J	2650	2770		ug/Kg		103	66 - 116	7	30
Dibenz(a,h)anthracene	ND	F1 *+	2650	3040	F1	ug/Kg		115	67 - 108	7	30
Di-n-butyl phthalate	ND	F1 *+	2650	3050	F1	ug/Kg		115	68 - 111	3	30
Di-n-octyl phthalate	ND	F1	2650	3710	F1	ug/Kg		140	59 - 113	5	30
Dibenzofuran	ND		2650	2650		ug/Kg		100	57 - 122	2	30
Diethyl phthalate	ND		2650	2690		ug/Kg		102	62 - 124	1	30
Dimethyl phthalate	ND		2650	2720		ug/Kg		103	61 - 123	4	30
Fluoranthene	ND		2650	2820		ug/Kg		106	67 - 111	3	30
Fluorene	ND		2650	2610		ug/Kg		99	49 - 133	2	30
Hexachlorobenzene	ND		2650	2720		ug/Kg		103	64 - 112	4	30
Hexachlorobutadiene	ND		2650	2380		ug/Kg		90	57 - 104	7	30
Hexachlorocyclopentadiene	ND	*+	5310	3140		ug/Kg		59	49 - 102	6	30
Hexachloroethane	ND		2650	2040		ug/Kg		77	54 - 103	4	30
Indeno[1,2,3-cd]pyrene	ND	F1	2650	3330	F1	ug/Kg		126	54 - 114	10	30
Isophorone	ND		2650	2470		ug/Kg		93	55 - 100	7	30
N-Nitrosodi-n-propylamine	ND		2650	2520		ug/Kg		95	56 - 108	8	30
N-Nitrosodiphenylamine	ND	F1 *+	2650	2810	F1	ug/Kg		106	67 - 102	5	30
Pentachlorophenol	ND		5300	4720		ug/Kg		89	54 - 112	2	30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 280-176200-15 MSD
Matrix: Solid
Analysis Batch: 612910

Client Sample ID: DU01-230504-0.5
Prep Type: Total/NA
Prep Batch: 612492

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenanthrene	ND		2650	2720		ug/Kg		103	63 - 117	3	30
Phenol	ND		2650	2630		ug/Kg		99	56 - 113	6	30
Pyrene	29	J	2650	2960		ug/Kg		111	62 - 118	7	30
1,4-Dichlorobenzene	ND		2650	2140		ug/Kg		81	54 - 105	6	30
Naphthalene	ND		2650	2480		ug/Kg		94	59 - 106	8	30
2-Methylnaphthalene	ND		2650	2480		ug/Kg		94	55 - 113	8	30
Nitrobenzene	ND		2650	2290		ug/Kg		87	57 - 105	7	30
3,3'-Dichlorobenzidine	ND	*-	5300	4230		ug/Kg		80	49 - 103	17	30
3 & 4 Methylphenol	ND		2650	2880		ug/Kg		109	54 - 114	6	30
1,1'-Biphenyl	ND		2650	2600		ug/Kg		98	53 - 122	3	30
1,2,4,5-Tetrachlorobenzene	ND		2650	2510		ug/Kg		95	53 - 112	5	30
1,3-Dinitrobenzene	ND		2650	2760		ug/Kg		104	63 - 128	1	30
1-Methylnaphthalene	ND		2650	2550		ug/Kg		96	60 - 110	6	30
2,3,4,6-Tetrachlorophenol	ND		2650	2810		ug/Kg		106	60 - 126	1	30
2,6-Dichlorophenol	ND		2650	2720		ug/Kg		103	55 - 113	5	30
2,6-Dinitrotoluene	ND		2650	2760		ug/Kg		104	58 - 126	2	30
Aniline	ND	F2 *-	2650	1490	F2	ug/Kg		56	24 - 91	41	31
Azobenzene	ND		2650	2560		ug/Kg		97	60 - 118	2	30
Benzaldehyde	ND		2650	2190		ug/Kg		83	10 - 91	13	30
Benzidine	ND	F1	5300	1110	J	ug/Kg		21	5 - 55	NC	50
Caprolactam	ND	F1	2650	2000		ug/Kg		76	57 - 104	30	30
Diphenylamine	ND		2250	2240		ug/Kg		100	61 - 122	1	30
N-Nitrosodimethylamine	ND		2650	2090		ug/Kg		79	50 - 102	5	30
Pyridine	ND	*-	5300	2010		ug/Kg		38	32 - 79	16	30
Hexadecane	ND		2650	2550		ug/Kg		96	54 - 115	2	30
1,2-Diphenylhydrazine(as Azobenzene)	ND		2680	2590		ug/Kg		97	60 - 118	2	30
3-Methylphenol	ND		2650	2880		ug/Kg		109	54 - 114	6	30
4-Methylphenol	ND		2650	2880		ug/Kg		109	54 - 114	6	30
Benzoic acid	ND	F2 F1 *-	2650	545	J F2 F1	ug/Kg		21	43 - 115	39	30
Famphur	ND	F1	2650	2850	F1	ug/Kg		107	19 - 95	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*99*		*33 - 135*
2-Fluorophenol (Surr)	*99*		*39 - 135*
2,4,6-Tribromophenol (Surr)	*99*		*24 - 135*
Nitrobenzene-d5 (Surr)	*97*		*32 - 135*
Phenol-d5 (Surr)	*106*		*39 - 135*
Terphenyl-d14 (Surr)	*111*		*30 - 135*

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 280-611929/1-A
Matrix: Water
Analysis Batch: 612138

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 611929

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.10	0.021	ug/L		05/10/23 10:33	05/11/23 13:41	1
Acenaphthene	ND		0.10	0.0042	ug/L		05/10/23 10:33	05/11/23 13:41	1

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: MB 280-611929/1-A
Matrix: Water
Analysis Batch: 612138

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 611929

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		0.10	0.0051	ug/L		05/10/23 10:33	05/11/23 13:41	1
Benzo[a]anthracene	ND		0.10	0.028	ug/L		05/10/23 10:33	05/11/23 13:41	1
Benzo[a]pyrene	ND		0.10	0.025	ug/L		05/10/23 10:33	05/11/23 13:41	1
Benzo[b]fluoranthene	ND		0.10	0.040	ug/L		05/10/23 10:33	05/11/23 13:41	1
Benzo[g,h,i]perylene	ND		0.10	0.037	ug/L		05/10/23 10:33	05/11/23 13:41	1
Benzo[k]fluoranthene	ND		0.10	0.023	ug/L		05/10/23 10:33	05/11/23 13:41	1
Chrysene	ND		0.10	0.033	ug/L		05/10/23 10:33	05/11/23 13:41	1
Dibenz(a,h)anthracene	ND		0.10	0.028	ug/L		05/10/23 10:33	05/11/23 13:41	1
Fluoranthene	ND		0.10	0.049	ug/L		05/10/23 10:33	05/11/23 13:41	1
Fluorene	ND		0.10	0.019	ug/L		05/10/23 10:33	05/11/23 13:41	1
Indeno[1,2,3-cd]pyrene	ND		0.10	0.039	ug/L		05/10/23 10:33	05/11/23 13:41	1
Naphthalene	ND		0.10	0.023	ug/L		05/10/23 10:33	05/11/23 13:41	1
Phenanthrene	ND		0.10	0.049	ug/L		05/10/23 10:33	05/11/23 13:41	1
Pyrene	ND		0.10	0.045	ug/L		05/10/23 10:33	05/11/23 13:41	1
Anthracene	ND		0.10	0.031	ug/L		05/10/23 10:33	05/11/23 13:41	1
1-Methylnaphthalene	ND		0.10	0.018	ug/L		05/10/23 10:33	05/11/23 13:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*26 - 114*	*05/10/23 10:33*	*05/11/23 13:41*	*1*
Nitrobenzene-d5	*75*		*18 - 126*	*05/10/23 10:33*	*05/11/23 13:41*	*1*
Terphenyl-d14	*86*		*36 - 131*	*05/10/23 10:33*	*05/11/23 13:41*	*1*

Lab Sample ID: LCS 280-611929/2-A
Matrix: Water
Analysis Batch: 612138

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 611929

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Methylnaphthalene	0.900	0.454		ug/L		50	36 - 121
Acenaphthene	0.900	0.489		ug/L		54	47 - 120
Acenaphthylene	0.900	0.489		ug/L		54	39 - 120
Benzo[a]anthracene	0.900	0.554		ug/L		62	42 - 120
Benzo[a]pyrene	0.900	0.517		ug/L		57	38 - 120
Benzo[b]fluoranthene	0.900	0.536		ug/L		60	44 - 120
Benzo[g,h,i]perylene	0.900	0.500		ug/L		56	39 - 120
Benzo[k]fluoranthene	0.900	0.537		ug/L		60	43 - 120
Chrysene	0.900	0.535		ug/L		59	35 - 120
Dibenz(a,h)anthracene	0.900	0.508		ug/L		56	27 - 126
Fluoranthene	0.900	0.695		ug/L		77	46 - 120
Fluorene	0.900	0.554		ug/L		62	49 - 120
Indeno[1,2,3-cd]pyrene	0.900	0.514		ug/L		57	38 - 120
Naphthalene	0.900	0.417		ug/L		46	37 - 120
Phenanthrene	0.900	0.542		ug/L		60	46 - 120
Pyrene	0.900	0.719		ug/L		80	49 - 120
Anthracene	0.900	0.522		ug/L		58	28 - 120
1-Methylnaphthalene	0.900	0.445		ug/L		49	44 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*56*		*26 - 114*

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCS 280-611929/2-A
Matrix: Water
Analysis Batch: 612138

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 611929

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5	49		18 - 126
Terphenyl-d14	97		36 - 131

Lab Sample ID: 280-176115-A-2-B MS
Matrix: Water
Analysis Batch: 612138

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 611929

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2-Methylnaphthalene	0.065	J	0.983	0.480		ug/L		42	36 - 121
Acenaphthene	0.10	J F1	0.983	0.515	F1	ug/L		42	47 - 120
Acenaphthylene	0.061	J	0.983	0.508		ug/L		45	39 - 120
Benzo[a]anthracene	0.48	F1	0.983	0.576	F1	ug/L		10	42 - 120
Benzo[a]pyrene	0.45	F1	0.983	0.535	F1	ug/L		9	38 - 120
Benzo[b]fluoranthene	0.56	F1	0.983	0.563	F1	ug/L		0.2	44 - 120
Benzo[g,h,i]perylene	0.56	F1	0.983	0.528	F1	ug/L		-3	39 - 120
Benzo[k]fluoranthene	0.54	F1	0.983	0.551	F1	ug/L		1	43 - 120
Chrysene	0.52	F1	0.983	0.568	F1	ug/L		5	35 - 120
Dibenz(a,h)anthracene	0.53	F1	0.983	0.524	F1	ug/L		-0.7	27 - 126
Fluoranthene	0.44	F1	0.983	0.628	F1	ug/L		19	46 - 120
Fluorene	0.14	F1	0.983	0.514	F1	ug/L		38	49 - 120
Indeno[1,2,3-cd]pyrene	0.57	F1	0.983	0.522	F1	ug/L		-5	38 - 120
Naphthalene	0.044	J	0.983	0.474		ug/L		44	37 - 120
Phenanthrene	0.26	F1	0.983	0.564	F1	ug/L		31	46 - 120
Pyrene	0.46	F1	0.983	0.630	F1	ug/L		18	49 - 120
Anthracene	0.25		0.983	0.552		ug/L		31	28 - 120
1-Methylnaphthalene	0.070	J F1	0.983	0.482	F1	ug/L		42	44 - 150

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorobiphenyl	54		26 - 114
Nitrobenzene-d5	51		18 - 126
Terphenyl-d14	76		36 - 131

Lab Sample ID: 280-176115-A-2-C MSD
Matrix: Water
Analysis Batch: 612138

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 611929

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Methylnaphthalene	0.065	J	1.03	0.480		ug/L		40	36 - 121	0	30
Acenaphthene	0.10	J F1	1.03	0.548	F1	ug/L		43	47 - 120	6	50
Acenaphthylene	0.061	J	1.03	0.550		ug/L		47	39 - 120	8	50
Benzo[a]anthracene	0.48	F1	1.03	0.670	F1	ug/L		18	42 - 120	15	40
Benzo[a]pyrene	0.45	F1	1.03	0.631	F1	ug/L		18	38 - 120	16	21
Benzo[b]fluoranthene	0.56	F1	1.03	0.662	F1	ug/L		10	44 - 120	16	28
Benzo[g,h,i]perylene	0.56	F1	1.03	0.615	F1	ug/L		6	39 - 120	15	23
Benzo[k]fluoranthene	0.54	F1	1.03	0.649	F1	ug/L		11	43 - 120	16	28
Chrysene	0.52	F1	1.03	0.673	F1	ug/L		15	35 - 120	17	41
Dibenz(a,h)anthracene	0.53	F1	1.03	0.632	F1	ug/L		10	27 - 126	19	25
Fluoranthene	0.44	F1	1.03	0.728	F1	ug/L		28	46 - 120	15	24

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: 280-176115-A-2-C MSD
Matrix: Water
Analysis Batch: 612138

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 611929

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluorene	0.14	F1	1.03	0.578	F1	ug/L		43	49 - 120	12	50
Indeno[1,2,3-cd]pyrene	0.57	F1	1.03	0.622	F1	ug/L		5	38 - 120	18	25
Naphthalene	0.044	J	1.03	0.465		ug/L		41	37 - 120	2	50
Phenanthrene	0.26	F1	1.03	0.635	F1	ug/L		36	46 - 120	12	42
Pyrene	0.46	F1	1.03	0.734	F1	ug/L		27	49 - 120	15	22
Anthracene	0.25		1.03	0.620		ug/L		36	28 - 120	12	50
1-Methylnaphthalene	0.070	J F1	1.03	0.484	F1	ug/L		40	44 - 150	0	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*55*		*26 - 114*
Nitrobenzene-d5	*52*		*18 - 126*
Terphenyl-d14	*83*		*36 - 131*

Lab Sample ID: MB 280-612087/1-A
Matrix: Water
Analysis Batch: 612216

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 612087

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	0.0634	J	0.10	0.021	ug/L		05/11/23 13:50	05/12/23 10:30	1
Acenaphthene	0.0592	J	0.10	0.0042	ug/L		05/11/23 13:50	05/12/23 10:30	1
Acenaphthylene	0.0443	J	0.10	0.0051	ug/L		05/11/23 13:50	05/12/23 10:30	1
Benzo[a]anthracene	0.0549	J	0.10	0.028	ug/L		05/11/23 13:50	05/12/23 10:30	1
Benzo[a]pyrene	0.0443	J	0.10	0.025	ug/L		05/11/23 13:50	05/12/23 10:30	1
Benzo[b]fluoranthene	0.0485	J	0.10	0.040	ug/L		05/11/23 13:50	05/12/23 10:30	1
Benzo[g,h,i]perylene	0.0507	J	0.10	0.037	ug/L		05/11/23 13:50	05/12/23 10:30	1
Benzo[k]fluoranthene	0.0477	J	0.10	0.023	ug/L		05/11/23 13:50	05/12/23 10:30	1
Chrysene	0.0516	J	0.10	0.033	ug/L		05/11/23 13:50	05/12/23 10:30	1
Dibenz(a,h)anthracene	0.0484	J	0.10	0.028	ug/L		05/11/23 13:50	05/12/23 10:30	1
Fluoranthene	0.0610	J	0.10	0.049	ug/L		05/11/23 13:50	05/12/23 10:30	1
Fluorene	0.0600	J	0.10	0.019	ug/L		05/11/23 13:50	05/12/23 10:30	1
Indeno[1,2,3-cd]pyrene	0.0446	J	0.10	0.039	ug/L		05/11/23 13:50	05/12/23 10:30	1
Naphthalene	0.0628	J	0.10	0.023	ug/L		05/11/23 13:50	05/12/23 10:30	1
Phenanthrene	0.0588	J	0.10	0.049	ug/L		05/11/23 13:50	05/12/23 10:30	1
Pyrene	0.0589	J	0.10	0.045	ug/L		05/11/23 13:50	05/12/23 10:30	1
Anthracene	0.0555	J	0.10	0.031	ug/L		05/11/23 13:50	05/12/23 10:30	1
1-Methylnaphthalene	0.0645	J	0.10	0.018	ug/L		05/11/23 13:50	05/12/23 10:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*59*		*26 - 114*	*05/11/23 13:50*	*05/12/23 10:30*	*1*
Nitrobenzene-d5	*62*		*18 - 126*	*05/11/23 13:50*	*05/12/23 10:30*	*1*
Terphenyl-d14	*68*		*36 - 131*	*05/11/23 13:50*	*05/12/23 10:30*	*1*

Lab Sample ID: LCS 280-612087/2-A
Matrix: Water
Analysis Batch: 612216

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 612087

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Methylnaphthalene	0.900	0.463		ug/L		51	36 - 121

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCS 280-612087/2-A
Matrix: Water
Analysis Batch: 612216

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 612087

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	0.900	0.505		ug/L		56	47 - 120
Acenaphthylene	0.900	0.389		ug/L		43	39 - 120
Benzo[a]anthracene	0.900	0.496		ug/L		55	42 - 120
Benzo[a]pyrene	0.900	0.436		ug/L		48	38 - 120
Benzo[b]fluoranthene	0.900	0.476		ug/L		53	44 - 120
Benzo[g,h,i]perylene	0.900	0.411		ug/L		46	39 - 120
Benzo[k]fluoranthene	0.900	0.468		ug/L		52	43 - 120
Chrysene	0.900	0.487		ug/L		54	35 - 120
Dibenz(a,h)anthracene	0.900	0.412		ug/L		46	27 - 126
Fluoranthene	0.900	0.537		ug/L		60	46 - 120
Fluorene	0.900	0.556		ug/L		62	49 - 120
Indeno[1,2,3-cd]pyrene	0.900	0.416		ug/L		46	38 - 120
Naphthalene	0.900	0.461		ug/L		51	37 - 120
Phenanthrene	0.900	0.520		ug/L		58	46 - 120
Pyrene	0.900	0.522		ug/L		58	49 - 120
Anthracene	0.900	0.507		ug/L		56	28 - 120
1-Methylnaphthalene	0.900	0.479		ug/L		53	44 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*57*		*26 - 114*
Nitrobenzene-d5	*57*		*18 - 126*
Terphenyl-d14	*64*		*36 - 131*

Lab Sample ID: LCSD 280-612087/3-A
Matrix: Water
Analysis Batch: 612216

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 612087

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Methylnaphthalene	0.900	0.498		ug/L		55	36 - 121	7	30
Acenaphthene	0.900	0.549		ug/L		61	47 - 120	8	50
Acenaphthylene	0.900	0.423		ug/L		47	39 - 120	9	50
Benzo[a]anthracene	0.900	0.519		ug/L		58	42 - 120	5	40
Benzo[a]pyrene	0.900	0.453		ug/L		50	38 - 120	4	21
Benzo[b]fluoranthene	0.900	0.488		ug/L		54	44 - 120	2	28
Benzo[g,h,i]perylene	0.900	0.424		ug/L		47	39 - 120	3	23
Benzo[k]fluoranthene	0.900	0.482		ug/L		54	43 - 120	3	28
Chrysene	0.900	0.515		ug/L		57	35 - 120	5	41
Dibenz(a,h)anthracene	0.900	0.430		ug/L		48	27 - 126	4	25
Fluoranthene	0.900	0.570		ug/L		63	46 - 120	6	24
Fluorene	0.900	0.596		ug/L		66	49 - 120	7	50
Indeno[1,2,3-cd]pyrene	0.900	0.429		ug/L		48	38 - 120	3	25
Naphthalene	0.900	0.486		ug/L		54	37 - 120	5	50
Phenanthrene	0.900	0.550		ug/L		61	46 - 120	6	42
Pyrene	0.900	0.557		ug/L		62	49 - 120	6	22
Anthracene	0.900	0.531		ug/L		59	28 - 120	5	50
1-Methylnaphthalene	0.900	0.513		ug/L		57	44 - 150	7	50

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCSD 280-612087/3-A
Matrix: Water
Analysis Batch: 612216

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 612087

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	58		26 - 114
Nitrobenzene-d5	61		18 - 126
Terphenyl-d14	68		36 - 131

Lab Sample ID: 280-176284-E-4-A MS
Matrix: Water
Analysis Batch: 612216

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 612087

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2-Methylnaphthalene	ND		0.843	0.391		ug/L		46	36 - 121
Acenaphthene	0.0053	J B	0.843	0.427		ug/L		50	47 - 120
Acenaphthylene	ND	F1	0.843	0.310	F1	ug/L		37	39 - 120
Benzo[a]anthracene	ND		0.843	0.406		ug/L		48	42 - 120
Benzo[a]pyrene	ND		0.843	0.352		ug/L		42	38 - 120
Benzo[b]fluoranthene	ND		0.843	0.374		ug/L		44	44 - 120
Benzo[g,h,i]perylene	ND		0.843	0.329		ug/L		39	39 - 120
Benzo[k]fluoranthene	ND		0.843	0.364		ug/L		43	43 - 120
Chrysene	ND		0.843	0.400		ug/L		48	35 - 120
Dibenz(a,h)anthracene	ND		0.843	0.330		ug/L		39	27 - 126
Fluoranthene	ND	F2	0.843	0.435		ug/L		52	46 - 120
Fluorene	ND		0.843	0.472		ug/L		56	49 - 120
Indeno[1,2,3-cd]pyrene	ND	F1	0.843	0.314	F1	ug/L		37	38 - 120
Naphthalene	ND		0.843	0.376		ug/L		45	37 - 120
Phenanthrene	ND		0.843	0.424		ug/L		50	46 - 120
Pyrene	ND	F2	0.843	0.430		ug/L		51	49 - 120
Anthracene	ND		0.843	0.413		ug/L		49	28 - 120
1-Methylnaphthalene	ND		0.843	0.396		ug/L		47	44 - 150

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorobiphenyl	51		26 - 114
Nitrobenzene-d5	51		18 - 126
Terphenyl-d14	57		36 - 131

Lab Sample ID: 280-176284-E-4-B MSD
Matrix: Water
Analysis Batch: 612216

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 612087

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Methylnaphthalene	ND		0.831	0.408		ug/L		49	36 - 121	4	30
Acenaphthene	0.0053	J B	0.831	0.494		ug/L		59	47 - 120	15	50
Acenaphthylene	ND	F1	0.831	0.352		ug/L		42	39 - 120	13	50
Benzo[a]anthracene	ND		0.831	0.462		ug/L		56	42 - 120	13	40
Benzo[a]pyrene	ND		0.831	0.423		ug/L		51	38 - 120	18	21
Benzo[b]fluoranthene	ND		0.831	0.443		ug/L		53	44 - 120	17	28
Benzo[g,h,i]perylene	ND		0.831	0.397		ug/L		48	39 - 120	19	23
Benzo[k]fluoranthene	ND		0.831	0.435		ug/L		52	43 - 120	18	28
Chrysene	ND		0.831	0.461		ug/L		56	35 - 120	14	41
Dibenz(a,h)anthracene	ND		0.831	0.403		ug/L		49	27 - 126	20	25

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: 280-176284-E-4-B MSD
Matrix: Water
Analysis Batch: 612216

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 612087

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoranthene	ND	F2	0.831	0.602	F2	ug/L		72	46 - 120	32	24
Fluorene	ND		0.831	0.553		ug/L		67	49 - 120	16	50
Indeno[1,2,3-cd]pyrene	ND	F1	0.831	0.374		ug/L		45	38 - 120	18	25
Naphthalene	ND		0.831	0.382		ug/L		46	37 - 120	2	50
Phenanthrene	ND		0.831	0.495		ug/L		60	46 - 120	15	42
Pyrene	ND	F2	0.831	0.615	F2	ug/L		74	49 - 120	36	22
Anthracene	ND		0.831	0.474		ug/L		57	28 - 120	14	50
1-Methylnaphthalene	ND		0.831	0.418		ug/L		50	44 - 150	6	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*54*		*26 - 114*
Nitrobenzene-d5	*49*		*18 - 126*
Terphenyl-d14	*83*		*36 - 131*

Lab Sample ID: MB 280-612097/1-A
Matrix: Solid
Analysis Batch: 612600

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 612097

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		10	0.62	ug/Kg		05/11/23 12:12	05/16/23 10:34	1
Acenaphthene	ND		10	0.92	ug/Kg		05/11/23 12:12	05/16/23 10:34	1
Acenaphthylene	ND		10	0.78	ug/Kg		05/11/23 12:12	05/16/23 10:34	1
Benzo[a]anthracene	ND		10	1.8	ug/Kg		05/11/23 12:12	05/16/23 10:34	1
Benzo[a]pyrene	ND		10	1.5	ug/Kg		05/11/23 12:12	05/16/23 10:34	1
Benzo[b]fluoranthene	ND		10	2.4	ug/Kg		05/11/23 12:12	05/16/23 10:34	1
Benzo[g,h,i]perylene	ND		10	2.2	ug/Kg		05/11/23 12:12	05/16/23 10:34	1
Benzo[k]fluoranthene	ND		10	2.0	ug/Kg		05/11/23 12:12	05/16/23 10:34	1
Chrysene	ND		10	2.0	ug/Kg		05/11/23 12:12	05/16/23 10:34	1
Dibenz(a,h)anthracene	ND		10	2.6	ug/Kg		05/11/23 12:12	05/16/23 10:34	1
Fluoranthene	ND		10	2.0	ug/Kg		05/11/23 12:12	05/16/23 10:34	1
Fluorene	ND		10	0.94	ug/Kg		05/11/23 12:12	05/16/23 10:34	1
Indeno[1,2,3-cd]pyrene	ND		10	2.2	ug/Kg		05/11/23 12:12	05/16/23 10:34	1
Naphthalene	ND		10	0.65	ug/Kg		05/11/23 12:12	05/16/23 10:34	1
Phenanthrene	ND		10	2.2	ug/Kg		05/11/23 12:12	05/16/23 10:34	1
Pyrene	ND		10	2.2	ug/Kg		05/11/23 12:12	05/16/23 10:34	1
Anthracene	ND		10	1.4	ug/Kg		05/11/23 12:12	05/16/23 10:34	1
1-Methylnaphthalene	ND		10	0.52	ug/Kg		05/11/23 12:12	05/16/23 10:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*42 - 104*	*05/11/23 12:12*	*05/16/23 10:34*	*1*
Nitrobenzene-d5	*62*		*14 - 139*	*05/11/23 12:12*	*05/16/23 10:34*	*1*
Terphenyl-d14	*119*		*46 - 125*	*05/11/23 12:12*	*05/16/23 10:34*	*1*

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCS 280-612097/2-A
Matrix: Solid
Analysis Batch: 612600

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 612097

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Methylnaphthalene	60.0	40.2		ug/Kg		67	30 - 120
Acenaphthene	60.0	39.2		ug/Kg		65	35 - 120
Acenaphthylene	60.0	37.6		ug/Kg		63	41 - 120
Benzo[a]anthracene	60.0	43.5		ug/Kg		73	36 - 120
Benzo[a]pyrene	60.0	42.9		ug/Kg		72	20 - 120
Benzo[b]fluoranthene	60.0	45.9		ug/Kg		77	37 - 120
Benzo[g,h,i]perylene	60.0	43.1		ug/Kg		72	20 - 123
Benzo[k]fluoranthene	60.0	45.1		ug/Kg		75	46 - 120
Chrysene	60.0	41.6		ug/Kg		69	34 - 120
Dibenz(a,h)anthracene	60.0	44.8		ug/Kg		75	20 - 120
Fluoranthene	60.0	45.6		ug/Kg		76	45 - 120
Fluorene	60.0	42.1		ug/Kg		70	44 - 120
Indeno[1,2,3-cd]pyrene	60.0	43.5		ug/Kg		72	20 - 127
Naphthalene	60.0	39.6		ug/Kg		66	44 - 120
Phenanthrene	60.0	42.6		ug/Kg		71	44 - 120
Pyrene	60.0	45.2		ug/Kg		75	43 - 120
Anthracene	60.0	41.7		ug/Kg		69	43 - 120
1-Methylnaphthalene	60.0	39.8		ug/Kg		66	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*74*		*42 - 104*
Nitrobenzene-d5	*70*		*14 - 139*
Terphenyl-d14	*91*		*46 - 125*

Lab Sample ID: 280-176141-B-1-B MS
Matrix: Solid
Analysis Batch: 612600

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 612097

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2-Methylnaphthalene	ND		64.3	41.6		ug/Kg	☼	65	30 - 120
Acenaphthene	ND		64.3	45.7		ug/Kg	☼	71	35 - 120
Acenaphthylene	ND		64.3	39.5		ug/Kg	☼	61	41 - 120
Benzo[a]anthracene	ND		64.3	47.9		ug/Kg	☼	74	36 - 120
Benzo[a]pyrene	ND	F1 F2	64.3	124	F1	ug/Kg	☼	193	20 - 120
Benzo[b]fluoranthene	ND	F1 F2	64.3	97.8	F1	ug/Kg	☼	152	37 - 120
Benzo[g,h,i]perylene	21	F1 F2	64.3	259	F1	ug/Kg	☼	371	20 - 123
Benzo[k]fluoranthene	ND	F1 F2	64.3	95.5	F1	ug/Kg	☼	148	46 - 120
Chrysene	3.7	J	64.3	49.0		ug/Kg	☼	71	34 - 120
Dibenz(a,h)anthracene	ND	F1 F2	64.3	215	F1	ug/Kg	☼	334	20 - 120
Fluoranthene	ND		64.3	52.2		ug/Kg	☼	81	45 - 120
Fluorene	1.0	J	64.3	46.6		ug/Kg	☼	71	44 - 120
Indeno[1,2,3-cd]pyrene	3.0	J F1	64.3	224	F1	ug/Kg	☼	344	20 - 127
Naphthalene	ND		64.3	40.7		ug/Kg	☼	63	44 - 120
Phenanthrene	ND		64.3	49.8		ug/Kg	☼	77	44 - 120
Pyrene	ND		64.3	53.6		ug/Kg	☼	83	43 - 120
Anthracene	ND		64.3	50.2		ug/Kg	☼	78	43 - 120
1-Methylnaphthalene	0.56	J	64.3	41.7		ug/Kg	☼	64	50 - 150

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: 280-176141-B-1-B MS
Matrix: Solid
Analysis Batch: 612600

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 612097

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorobiphenyl	66		42 - 104
Nitrobenzene-d5	80		14 - 139
Terphenyl-d14	93		46 - 125

Lab Sample ID: 280-176141-B-1-C MSD
Matrix: Solid
Analysis Batch: 612600

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 612097

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Methylnaphthalene	ND		64.3	35.3		ug/Kg	☼	55	30 - 120	16	30
Acenaphthene	ND		64.3	42.8		ug/Kg	☼	67	35 - 120	6	50
Acenaphthylene	ND		64.3	30.2		ug/Kg	☼	47	41 - 120	27	50
Benzo[a]anthracene	ND		64.3	41.4		ug/Kg	☼	64	36 - 120	15	40
Benzo[a]pyrene	ND	F1 F2	64.3	84.7	F1 F2	ug/Kg	☼	132	20 - 120	38	30
Benzo[b]fluoranthene	ND	F1 F2	64.3	70.6	F2	ug/Kg	☼	110	37 - 120	32	28
Benzo[g,h,i]perylene	21	F1 F2	64.3	175	F1 F2	ug/Kg	☼	240	20 - 123	39	30
Benzo[k]fluoranthene	ND	F1 F2	64.3	71.1	F2	ug/Kg	☼	111	46 - 120	29	28
Chrysene	3.7	J	64.3	41.9		ug/Kg	☼	59	34 - 120	16	41
Dibenz(a,h)anthracene	ND	F1 F2	64.3	142	F1 F2	ug/Kg	☼	221	20 - 120	41	25
Fluoranthene	ND		64.3	45.6		ug/Kg	☼	71	45 - 120	13	30
Fluorene	1.0	J	64.3	42.3		ug/Kg	☼	64	44 - 120	10	50
Indeno[1,2,3-cd]pyrene	3.0	J F1	64.3	148	F1	ug/Kg	☼	225	20 - 127	41	50
Naphthalene	ND		64.3	34.5		ug/Kg	☼	54	44 - 120	16	50
Phenanthrene	ND		64.3	42.7		ug/Kg	☼	66	44 - 120	15	42
Pyrene	ND		64.3	46.5		ug/Kg	☼	72	43 - 120	14	30
Anthracene	ND		64.3	43.2		ug/Kg	☼	67	43 - 120	15	50
1-Methylnaphthalene	0.56	J	64.3	35.4		ug/Kg	☼	54	50 - 150	16	50

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2-Fluorobiphenyl	63		42 - 104
Nitrobenzene-d5	67		14 - 139
Terphenyl-d14	90		46 - 125

Lab Sample ID: MB 280-612481/1-A
Matrix: Solid
Analysis Batch: 612597

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 612481

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		10	0.62	ug/Kg		05/15/23 14:28	05/16/23 11:05	1
Acenaphthene	ND		10	0.92	ug/Kg		05/15/23 14:28	05/16/23 11:05	1
Acenaphthylene	ND		10	0.78	ug/Kg		05/15/23 14:28	05/16/23 11:05	1
Benzo[a]anthracene	ND		10	1.8	ug/Kg		05/15/23 14:28	05/16/23 11:05	1
Benzo[a]pyrene	ND		10	1.5	ug/Kg		05/15/23 14:28	05/16/23 11:05	1
Benzo[b]fluoranthene	ND		10	2.4	ug/Kg		05/15/23 14:28	05/16/23 11:05	1
Benzo[g,h,i]perylene	ND		10	2.2	ug/Kg		05/15/23 14:28	05/16/23 11:05	1
Benzo[k]fluoranthene	ND		10	2.0	ug/Kg		05/15/23 14:28	05/16/23 11:05	1
Chrysene	ND		10	2.0	ug/Kg		05/15/23 14:28	05/16/23 11:05	1
Dibenz(a,h)anthracene	ND		10	2.6	ug/Kg		05/15/23 14:28	05/16/23 11:05	1

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: MB 280-612481/1-A
Matrix: Solid
Analysis Batch: 612597

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 612481

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		10	2.0	ug/Kg		05/15/23 14:28	05/16/23 11:05	1
Fluorene	ND		10	0.94	ug/Kg		05/15/23 14:28	05/16/23 11:05	1
Indeno[1,2,3-cd]pyrene	ND		10	2.2	ug/Kg		05/15/23 14:28	05/16/23 11:05	1
Naphthalene	ND		10	0.65	ug/Kg		05/15/23 14:28	05/16/23 11:05	1
Phenanthrene	ND		10	2.2	ug/Kg		05/15/23 14:28	05/16/23 11:05	1
Pyrene	ND		10	2.2	ug/Kg		05/15/23 14:28	05/16/23 11:05	1
Anthracene	ND		10	1.4	ug/Kg		05/15/23 14:28	05/16/23 11:05	1
1-Methylnaphthalene	ND		10	0.52	ug/Kg		05/15/23 14:28	05/16/23 11:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*42 - 104*	*05/15/23 14:28*	*05/16/23 11:05*	*1*
Nitrobenzene-d5	*62*		*14 - 139*	*05/15/23 14:28*	*05/16/23 11:05*	*1*
Terphenyl-d14	*84*		*46 - 125*	*05/15/23 14:28*	*05/16/23 11:05*	*1*

Lab Sample ID: LCS 280-612481/2-A
Matrix: Solid
Analysis Batch: 612597

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 612481

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Methylnaphthalene	60.0	33.2		ug/Kg		55	30 - 120
Acenaphthene	60.0	31.6		ug/Kg		53	35 - 120
Acenaphthylene	60.0	35.8		ug/Kg		60	41 - 120
Benzo[a]anthracene	60.0	38.2		ug/Kg		64	36 - 120
Benzo[a]pyrene	60.0	30.8		ug/Kg		51	20 - 120
Benzo[b]fluoranthene	60.0	38.2		ug/Kg		64	37 - 120
Benzo[g,h,i]perylene	60.0	32.5		ug/Kg		54	20 - 123
Benzo[k]fluoranthene	60.0	38.1		ug/Kg		64	46 - 120
Chrysene	60.0	40.2		ug/Kg		67	34 - 120
Dibenz(a,h)anthracene	60.0	35.0		ug/Kg		58	20 - 120
Fluoranthene	60.0	39.2		ug/Kg		65	45 - 120
Fluorene	60.0	35.1		ug/Kg		58	44 - 120
Indeno[1,2,3-cd]pyrene	60.0	33.8		ug/Kg		56	20 - 127
Naphthalene	60.0	32.5		ug/Kg		54	44 - 120
Phenanthrene	60.0	38.9		ug/Kg		65	44 - 120
Pyrene	60.0	38.0		ug/Kg		63	43 - 120
Anthracene	60.0	37.0		ug/Kg		62	43 - 120
1-Methylnaphthalene	60.0	33.2		ug/Kg		55	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*60*		*42 - 104*
Nitrobenzene-d5	*54*		*14 - 139*
Terphenyl-d14	*75*		*46 - 125*

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: 280-176200-13 MS
Matrix: Solid
Analysis Batch: 612597

Client Sample ID: DU04-SU01-230504-0.5
Prep Type: Total/NA
Prep Batch: 612481

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2-Methylnaphthalene	16		58.8	47.9		ug/Kg		54	30 - 120
Acenaphthene	6.6	J	58.8	41.9		ug/Kg		60	35 - 120
Acenaphthylene	ND		58.8	34.1		ug/Kg		58	41 - 120
Benzo[a]anthracene	1.8	J	58.8	36.0		ug/Kg		58	36 - 120
Benzo[a]pyrene	ND		58.8	33.2		ug/Kg		56	20 - 120
Benzo[b]fluoranthene	ND		58.8	36.5		ug/Kg		62	37 - 120
Benzo[g,h,i]perylene	ND		58.8	32.7		ug/Kg		56	20 - 123
Benzo[k]fluoranthene	ND		58.8	33.8		ug/Kg		58	46 - 120
Chrysene	3.7	J	58.8	36.7		ug/Kg		56	34 - 120
Dibenz(a,h)anthracene	ND		58.8	30.1		ug/Kg		51	20 - 120
Fluoranthene	14		58.8	45.3		ug/Kg		53	45 - 120
Fluorene	4.5	J	58.8	38.4		ug/Kg		58	44 - 120
Indeno[1,2,3-cd]pyrene	ND		58.8	31.7		ug/Kg		54	20 - 127
Naphthalene	10		58.8	40.1		ug/Kg		51	44 - 120
Phenanthrene	26		58.8	59.5		ug/Kg		57	44 - 120
Pyrene	8.9	J	58.8	41.6		ug/Kg		56	43 - 120
Anthracene	ND		58.8	37.1		ug/Kg		63	43 - 120
1-Methylnaphthalene	7.9	J	58.8	40.3		ug/Kg		55	50 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*59*		*42 - 104*
Nitrobenzene-d5	*67*		*14 - 139*
Terphenyl-d14	*54*		*46 - 125*

Lab Sample ID: 280-176200-13 MSD
Matrix: Solid
Analysis Batch: 612597

Client Sample ID: DU04-SU01-230504-0.5
Prep Type: Total/NA
Prep Batch: 612481

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Methylnaphthalene	16		59.6	46.0		ug/Kg		50	30 - 120	4	30
Acenaphthene	6.6	J	59.6	40.5		ug/Kg		57	35 - 120	3	50
Acenaphthylene	ND		59.6	32.1		ug/Kg		54	41 - 120	6	50
Benzo[a]anthracene	1.8	J	59.6	36.7		ug/Kg		59	36 - 120	2	40
Benzo[a]pyrene	ND		59.6	31.8		ug/Kg		53	20 - 120	4	30
Benzo[b]fluoranthene	ND		59.6	37.1		ug/Kg		62	37 - 120	2	28
Benzo[g,h,i]perylene	ND		59.6	31.0		ug/Kg		52	20 - 123	5	30
Benzo[k]fluoranthene	ND		59.6	32.1		ug/Kg		54	46 - 120	5	28
Chrysene	3.7	J	59.6	38.4		ug/Kg		58	34 - 120	4	41
Dibenz(a,h)anthracene	ND		59.6	28.8		ug/Kg		48	20 - 120	4	25
Fluoranthene	14		59.6	52.0		ug/Kg		64	45 - 120	14	30
Fluorene	4.5	J	59.6	36.0		ug/Kg		53	44 - 120	7	50
Indeno[1,2,3-cd]pyrene	ND		59.6	30.5		ug/Kg		51	20 - 127	4	50
Naphthalene	10		59.6	38.6		ug/Kg		48	44 - 120	4	50
Phenanthrene	26		59.6	61.3		ug/Kg		59	44 - 120	3	42
Pyrene	8.9	J	59.6	43.6		ug/Kg		58	43 - 120	5	30
Anthracene	ND		59.6	35.6		ug/Kg		60	43 - 120	4	50
1-Methylnaphthalene	7.9	J	59.6	38.2		ug/Kg		51	50 - 150	5	50

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: 280-176200-13 MSD
Matrix: Solid
Analysis Batch: 612597

Client Sample ID: DU04-SU01-230504-0.5
Prep Type: Total/NA
Prep Batch: 612481

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2-Fluorobiphenyl	61		42 - 104
Nitrobenzene-d5	67		14 - 139
Terphenyl-d14	58		46 - 125

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 280-612472/1-A
Matrix: Solid
Analysis Batch: 612755

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 612472

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1221	ND		94	31	ug/Kg		05/15/23 14:22	05/17/23 18:09	1
PCB-1016	ND		66	21	ug/Kg		05/15/23 14:22	05/17/23 18:09	1
PCB-1232	ND		66	10	ug/Kg		05/15/23 14:22	05/17/23 18:09	1
PCB-1242	ND		66	18	ug/Kg		05/15/23 14:22	05/17/23 18:09	1
PCB-1248	ND		66	16	ug/Kg		05/15/23 14:22	05/17/23 18:09	1
PCB-1254	ND		66	11	ug/Kg		05/15/23 14:22	05/17/23 18:09	1
PCB-1260	ND		66	17	ug/Kg		05/15/23 14:22	05/17/23 18:09	1
PCB-1262	ND		66	5.5	ug/Kg		05/15/23 14:22	05/17/23 18:09	1
PCB-1268	ND		66	21	ug/Kg		05/15/23 14:22	05/17/23 18:09	1
Polychlorinated biphenyls, Total	ND		66	2.3	ug/Kg		05/15/23 14:22	05/17/23 18:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	100		53 - 128	05/15/23 14:22	05/17/23 18:09	1
DCB Decachlorobiphenyl	113		59 - 130	05/15/23 14:22	05/17/23 18:09	1

Lab Sample ID: LCS 280-612472/2-A
Matrix: Solid
Analysis Batch: 612755

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 612472

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	133	145		ug/Kg		109	54 - 132
PCB-1260	133	150		ug/Kg		112	62 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	123		53 - 128
DCB Decachlorobiphenyl	106		59 - 130

Lab Sample ID: 280-176200-14 MS
Matrix: Solid
Analysis Batch: 612755

Client Sample ID: DU06-SU03-230504-0.5
Prep Type: Total/NA
Prep Batch: 612472

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	ND		129	77.1		ug/Kg		60	54 - 132
PCB-1260	ND	F1	129	65.0	F1	ug/Kg		50	62 - 129

Surrogate	MS %Recovery	MS Qualifier	Limits
Tetrachloro-m-xylene	87		53 - 128

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 280-176200-14 MS
Matrix: Solid
Analysis Batch: 612755

Client Sample ID: DU06-SU03-230504-0.5
Prep Type: Total/NA
Prep Batch: 612472

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	84		59 - 130

Lab Sample ID: 280-176200-14 MSD
Matrix: Solid
Analysis Batch: 612755

Client Sample ID: DU06-SU03-230504-0.5
Prep Type: Total/NA
Prep Batch: 612472

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	ND		126	74.0		ug/Kg		59	54 - 132	4	36
PCB-1260	ND	F1	126	47.4	J F1	ug/Kg		38	62 - 129	31	44

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Tetrachloro-m-xylene	74		53 - 128
DCB Decachlorobiphenyl	81		59 - 130

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 580-425673/1-A
Matrix: Water
Analysis Batch: 425687

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 425673

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		0.11	0.065	mg/L		05/11/23 09:43	05/11/23 20:13	1
Motor Oil (>C24-C36)	ND		0.35	0.096	mg/L		05/11/23 09:43	05/11/23 20:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	66		50 - 150	05/11/23 09:43	05/11/23 20:13	1

Lab Sample ID: LCS 580-425673/2-A
Matrix: Water
Analysis Batch: 425687

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 425673

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
#2 Diesel (C10-C24)	4.00	2.97		mg/L		74	50 - 120
Motor Oil (>C24-C36)	4.00	3.11		mg/L		78	64 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	85		50 - 150

Lab Sample ID: LCSD 580-425673/3-A
Matrix: Water
Analysis Batch: 425687

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 425673

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	4.00	3.02		mg/L		76	50 - 120	2	26
Motor Oil (>C24-C36)	4.00	3.20		mg/L		80	64 - 120	3	24

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued)

Lab Sample ID: LCSD 580-425673/3-A
Matrix: Water
Analysis Batch: 425687

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 425673

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
o-Terphenyl	95		50 - 150

Lab Sample ID: MB 580-425843/1-A
Matrix: Solid
Analysis Batch: 425959

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 425843

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		50	12	mg/Kg		05/12/23 13:28	05/15/23 16:58	1
Motor Oil (>C24-C36)	ND		50	18	mg/Kg		05/12/23 13:28	05/15/23 16:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	67		50 - 150	05/12/23 13:28	05/15/23 16:58	1

Lab Sample ID: LCS 580-425843/2-A
Matrix: Solid
Analysis Batch: 425959

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 425843

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
#2 Diesel (C10-C24)			500	444		mg/Kg		89	70 - 125		
Motor Oil (>C24-C36)			500	423		mg/Kg		85	70 - 129		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	81		50 - 150

Lab Sample ID: LCSD 580-425843/3-A
Matrix: Solid
Analysis Batch: 425959

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 425843

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
#2 Diesel (C10-C24)			500	432		mg/Kg		86	70 - 125	3	16
Motor Oil (>C24-C36)			500	410		mg/Kg		82	70 - 129	3	16

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
o-Terphenyl	78		50 - 150

Lab Sample ID: 280-176200-3 DU
Matrix: Solid
Analysis Batch: 425959

Client Sample ID: DU05-SU06-230505-COMP01
Prep Type: Total/NA
Prep Batch: 425843

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
#2 Diesel (C10-C24)	22	J		16.5	J	mg/Kg	☼			29	35
Motor Oil (>C24-C36)	310			215	F3	mg/Kg	☼			36	35

Surrogate	DU %Recovery	DU Qualifier	Limits
o-Terphenyl	66		50 - 150

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued)

Lab Sample ID: MB 580-426406/1-A
Matrix: Solid
Analysis Batch: 427371

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 426406

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		50	12	mg/Kg		05/18/23 14:28	05/30/23 12:30	1
Motor Oil (>C24-C36)	ND		50	18	mg/Kg		05/18/23 14:28	05/30/23 12:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*62*		*50 - 150*	*05/18/23 14:28*	*05/30/23 12:30*	*1*

Lab Sample ID: LCS 580-426406/2-A
Matrix: Solid
Analysis Batch: 427371

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 426406

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
#2 Diesel (C10-C24)	500	397		mg/Kg		79	70 - 125
Motor Oil (>C24-C36)	500	408		mg/Kg		82	70 - 129

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*84*		*50 - 150*

Lab Sample ID: LCSD 580-426406/3-A
Matrix: Solid
Analysis Batch: 427371

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 426406

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	500	407		mg/Kg		81	70 - 125	3	16
Motor Oil (>C24-C36)	500	416		mg/Kg		83	70 - 129	2	16

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*85*		*50 - 150*

Lab Sample ID: 280-176200-10 DU
Matrix: Solid
Analysis Batch: 427371

Client Sample ID: DU07-230502-Native
Prep Type: Total/NA
Prep Batch: 426406

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
#2 Diesel (C10-C24)	ND	H	ND		mg/Kg		NC	35
Motor Oil (>C24-C36)	ND	H	ND		mg/Kg		NC	35

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
o-Terphenyl	*63*		*50 - 150*

Lab Sample ID: 280-176200-21 DU
Matrix: Solid
Analysis Batch: 427371

Client Sample ID: DU03-230505-0.5
Prep Type: Total/NA
Prep Batch: 426406

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
#2 Diesel (C10-C24)	35	J	36.1	J	mg/Kg		4	35
Motor Oil (>C24-C36)	360		400		mg/Kg		9	35

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued)

Lab Sample ID: 280-176200-21 DU
Matrix: Solid
Analysis Batch: 427371

Client Sample ID: DU03-230505-0.5
Prep Type: Total/NA
Prep Batch: 426406

Surrogate	DU %Recovery	DU Qualifier	Limits
o-Terphenyl	*65*		*50 - 150*

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 280-612037/1-A
Matrix: Solid
Analysis Batch: 612533

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 612037

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.0	0.16	mg/Kg		05/11/23 14:40	05/15/23 12:10	1
Arsenic	ND		2.0	0.67	mg/Kg		05/11/23 14:40	05/15/23 12:10	1
Barium	ND		1.0	0.30	mg/Kg		05/11/23 14:40	05/15/23 12:10	1
Cadmium	ND		0.50	0.041	mg/Kg		05/11/23 14:40	05/15/23 12:10	1
Chromium	ND		1.5	0.12	mg/Kg		05/11/23 14:40	05/15/23 12:10	1
Lead	ND		0.90	0.31	mg/Kg		05/11/23 14:40	05/15/23 12:10	1
Selenium	ND		1.8	0.86	mg/Kg		05/11/23 14:40	05/15/23 12:10	1

Lab Sample ID: LCS 280-612037/2-A
Matrix: Solid
Analysis Batch: 612533

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 612037

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	5.00	5.21		mg/Kg		104	87 - 114
Arsenic	100	96.9		mg/Kg		97	85 - 110
Barium	100	95.9		mg/Kg		96	87 - 112
Cadmium	100	94.0		mg/Kg		94	87 - 110
Chromium	100	93.7		mg/Kg		94	84 - 114
Lead	100	96.0		mg/Kg		96	86 - 110
Selenium	100	94.2		mg/Kg		94	83 - 110

Lab Sample ID: 180-156210-D-1-B MS
Matrix: Solid
Analysis Batch: 612533

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 612037

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	1.6	J	9.28	11.4		mg/Kg	☼	106	75 - 125
Arsenic	5.0		186	181		mg/Kg	☼	95	76 - 111
Barium	220		186	427		mg/Kg	☼	110	75 - 125
Cadmium	0.70	J	186	164		mg/Kg	☼	88	75 - 125
Chromium	27		186	199		mg/Kg	☼	93	75 - 125
Lead	45		186	215		mg/Kg	☼	91	75 - 125
Selenium	4.2		186	177		mg/Kg	☼	93	76 - 104

Lab Sample ID: 180-156210-D-1-C MSD
Matrix: Solid
Analysis Batch: 612533

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 612037

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Silver	1.6	J	9.50	11.2		mg/Kg	☼	101	75 - 125	2	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 180-156210-D-1-C MSD
Matrix: Solid
Analysis Batch: 612533

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 612037

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	5.0		190	185		mg/Kg	☼	95	76 - 111	2	20
Barium	220		190	392		mg/Kg	☼	89	75 - 125	9	20
Cadmium	0.70	J	190	166		mg/Kg	☼	87	75 - 125	2	20
Chromium	27		190	200		mg/Kg	☼	91	75 - 125	0	20
Lead	45		190	209		mg/Kg	☼	86	75 - 125	3	20
Selenium	4.2		190	181		mg/Kg	☼	93	76 - 104	2	20

Lab Sample ID: MB 280-612386/1-A
Matrix: Solid
Analysis Batch: 613592

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 612386

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.0	0.16	mg/Kg		05/22/23 07:43	05/22/23 21:32	1
Arsenic	ND		2.0	0.67	mg/Kg		05/22/23 07:43	05/22/23 21:32	1
Barium	ND		1.0	0.30	mg/Kg		05/22/23 07:43	05/22/23 21:32	1
Cadmium	ND		0.50	0.041	mg/Kg		05/22/23 07:43	05/22/23 21:32	1
Chromium	0.134	J	1.5	0.12	mg/Kg		05/22/23 07:43	05/22/23 21:32	1
Lead	ND		0.90	0.31	mg/Kg		05/22/23 07:43	05/22/23 21:32	1
Selenium	ND		1.8	0.86	mg/Kg		05/22/23 07:43	05/22/23 21:32	1

Lab Sample ID: LCS 280-612386/2-A
Matrix: Solid
Analysis Batch: 613592

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 612386

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	5.00	4.58		mg/Kg		92	87 - 114
Arsenic	100	96.2		mg/Kg		96	85 - 110
Barium	100	97.3		mg/Kg		97	87 - 112
Cadmium	100	94.0		mg/Kg		94	87 - 110
Chromium	100	94.6		mg/Kg		95	84 - 114
Lead	100	95.4		mg/Kg		95	86 - 110
Selenium	100	93.3		mg/Kg		93	83 - 110

Lab Sample ID: 280-176200-10 MS
Matrix: Solid
Analysis Batch: 613592

Client Sample ID: DU07-230502-Native
Prep Type: Total/NA
Prep Batch: 612386

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	ND		3.71	3.31		mg/Kg		89	75 - 125
Arsenic	2.3		74.1	67.8		mg/Kg		88	76 - 111
Barium	81		74.1	152		mg/Kg		96	75 - 125
Cadmium	ND		74.1	64.8		mg/Kg		87	75 - 125
Chromium	20	B	74.1	87.1		mg/Kg		90	75 - 125
Lead	3.4		74.1	68.5		mg/Kg		88	75 - 125
Selenium	ND		74.1	64.3		mg/Kg		87	76 - 104

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 280-176200-10 MSD
Matrix: Solid
Analysis Batch: 613592

Client Sample ID: DU07-230502-Native
Prep Type: Total/NA
Prep Batch: 612386

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Silver	ND		3.70	3.33		mg/Kg		90	75 - 125	0	20
Arsenic	2.3		74.1	67.1		mg/Kg		87	76 - 111	1	20
Barium	81		74.1	146		mg/Kg		88	75 - 125	4	20
Cadmium	ND		74.1	64.5		mg/Kg		87	75 - 125	0	20
Chromium	20	B	74.1	85.9		mg/Kg		88	75 - 125	1	20
Lead	3.4		74.1	67.8		mg/Kg		87	75 - 125	1	20
Selenium	ND		74.1	64.5		mg/Kg		87	76 - 104	0	20

Lab Sample ID: 280-176200-13 MS
Matrix: Solid
Analysis Batch: 613592

Client Sample ID: DU04-SU01-230504-0.5
Prep Type: Total/NA
Prep Batch: 612386

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	9.5		74.5	70.0		mg/Kg		81	75 - 125

Lab Sample ID: 280-176200-13 MSD
Matrix: Solid
Analysis Batch: 613592

Client Sample ID: DU04-SU01-230504-0.5
Prep Type: Total/NA
Prep Batch: 612386

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead	9.5		74.7	73.6		mg/Kg		86	75 - 125	5	20

Lab Sample ID: 280-176200-14 MS
Matrix: Solid
Analysis Batch: 613592

Client Sample ID: DU06-SU03-230504-0.5
Prep Type: Total/NA
Prep Batch: 612386

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	ND		3.59	3.18		mg/Kg		89	75 - 125
Arsenic	2.2		71.8	65.9		mg/Kg		89	76 - 111
Barium	57		71.8	120		mg/Kg		88	75 - 125
Cadmium	0.13	J	71.8	62.1		mg/Kg		86	75 - 125
Chromium	14	B	71.8	77.5		mg/Kg		89	75 - 125
Lead	20		71.8	80.5		mg/Kg		84	75 - 125
Selenium	ND		71.8	63.0		mg/Kg		88	76 - 104

Lab Sample ID: 280-176200-14 MSD
Matrix: Solid
Analysis Batch: 613592

Client Sample ID: DU06-SU03-230504-0.5
Prep Type: Total/NA
Prep Batch: 612386

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Silver	ND		3.60	3.15		mg/Kg		87	75 - 125	1	20
Arsenic	2.2		71.9	66.4		mg/Kg		89	76 - 111	1	20
Barium	57		71.9	121		mg/Kg		89	75 - 125	1	20
Cadmium	0.13	J	71.9	61.8		mg/Kg		86	75 - 125	0	20
Chromium	14	B	71.9	78.1		mg/Kg		90	75 - 125	1	20
Lead	20		71.9	84.5		mg/Kg		89	75 - 125	5	20
Selenium	ND		71.9	62.5		mg/Kg		87	76 - 104	1	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 280-176200-15 MS
Matrix: Solid
Analysis Batch: 613592

Client Sample ID: DU01-230504-0.5
Prep Type: Total/NA
Prep Batch: 612386

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	ND		3.98	3.60		mg/Kg		91	75 - 125
Arsenic	2.3		79.6	74.0		mg/Kg		90	76 - 111
Barium	51		79.6	125		mg/Kg		93	75 - 125
Cadmium	0.038	J	79.6	70.3		mg/Kg		88	75 - 125
Chromium	12	B	79.6	84.4		mg/Kg		91	75 - 125
Lead	5.2		79.6	75.2		mg/Kg		88	75 - 125
Selenium	ND		79.6	71.3		mg/Kg		90	76 - 104

Lab Sample ID: 280-176200-15 MSD
Matrix: Solid
Analysis Batch: 613592

Client Sample ID: DU01-230504-0.5
Prep Type: Total/NA
Prep Batch: 612386

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Silver	ND		3.97	3.57		mg/Kg		90	75 - 125	1	20
Arsenic	2.3		79.5	72.9		mg/Kg		89	76 - 111	1	20
Barium	51		79.5	122		mg/Kg		89	75 - 125	2	20
Cadmium	0.038	J	79.5	69.8		mg/Kg		88	75 - 125	1	20
Chromium	12	B	79.5	83.8		mg/Kg		90	75 - 125	1	20
Lead	5.2		79.5	74.8		mg/Kg		88	75 - 125	1	20
Selenium	ND		79.5	70.6		mg/Kg		89	76 - 104	1	20

Lab Sample ID: MB 280-612438/1-A
Matrix: Solid
Analysis Batch: 613158

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 612438

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.90	0.31	mg/Kg		05/16/23 15:07	05/19/23 03:37	1

Lab Sample ID: LCS 280-612438/2-A
Matrix: Solid
Analysis Batch: 613158

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 612438

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	100	93.5		mg/Kg		93	86 - 110

Lab Sample ID: 280-176468-A-1-B MS
Matrix: Solid
Analysis Batch: 613158

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 612438

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	11		102	98.7		mg/Kg	☼	86	75 - 125

Lab Sample ID: 280-176468-A-1-C MSD
Matrix: Solid
Analysis Batch: 613158

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 612438

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead	11		100	100		mg/Kg	☼	89	75 - 125	2	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 280-611911/1-A
Matrix: Water
Analysis Batch: 612415

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 611911

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		10	2.0	ug/L		05/11/23 07:42	05/13/23 01:15	1
Arsenic	ND		15	4.4	ug/L		05/11/23 07:42	05/13/23 01:15	1
Barium	ND		10	0.82	ug/L		05/11/23 07:42	05/13/23 01:15	1
Cadmium	ND		5.0	0.13	ug/L		05/11/23 07:42	05/13/23 01:15	1
Chromium	ND		10	0.66	ug/L		05/11/23 07:42	05/13/23 01:15	1
Lead	ND		9.0	2.7	ug/L		05/11/23 07:42	05/13/23 01:15	1
Selenium	ND		20	6.3	ug/L		05/11/23 07:42	05/13/23 01:15	1

Lab Sample ID: LCS 280-611911/2-A
Matrix: Water
Analysis Batch: 612415

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 611911

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	50.0	52.2		ug/L		104	86 - 115
Arsenic	1000	1050		ug/L		105	88 - 110
Barium	1000	1020		ug/L		102	90 - 112
Cadmium	1000	999		ug/L		100	88 - 111
Chromium	1000	999		ug/L		100	90 - 113
Lead	1000	1020		ug/L		102	89 - 110
Selenium	1000	1040		ug/L		104	85 - 112

Lab Sample ID: LCSD 280-611911/3-A
Matrix: Water
Analysis Batch: 612415

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 611911

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Silver	50.0	52.1		ug/L		104	86 - 115	0	20
Arsenic	1000	1040		ug/L		104	88 - 110	1	20
Barium	1000	1010		ug/L		101	90 - 112	1	20
Cadmium	1000	990		ug/L		99	88 - 111	1	20
Chromium	1000	990		ug/L		99	90 - 113	1	20
Lead	1000	1020		ug/L		102	89 - 110	1	20
Selenium	1000	1030		ug/L		103	85 - 112	1	20

Lab Sample ID: 280-176213-M-1-B MS
Matrix: Water
Analysis Batch: 612415

Client Sample ID: Matrix Spike
Prep Type: Dissolved
Prep Batch: 611911

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	ND		50.0	54.0		ug/L		108	75 - 125
Arsenic	14	J	1000	1080		ug/L		106	84 - 124
Barium	270		1000	1290		ug/L		102	85 - 120
Cadmium	0.61	J	1000	955		ug/L		95	82 - 119
Chromium	33		1000	1020		ug/L		99	75 - 125
Lead	5.4	J	1000	996		ug/L		99	89 - 121
Selenium	ND		1000	1020		ug/L		102	75 - 125

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 280-176213-M-1-C MSD
Matrix: Water
Analysis Batch: 612415

Client Sample ID: Matrix Spike Duplicate
Prep Type: Dissolved
Prep Batch: 611911

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Silver	ND		50.0	54.5		ug/L		109	75 - 125	1	20
Arsenic	14	J	1000	1090		ug/L		108	84 - 124	1	20
Barium	270		1000	1300		ug/L		103	85 - 120	1	20
Cadmium	0.61	J	1000	965		ug/L		96	82 - 119	1	20
Chromium	33		1000	1030		ug/L		100	75 - 125	1	20
Lead	5.4	J	1000	1000		ug/L		100	89 - 121	1	20
Selenium	ND		1000	1040		ug/L		104	75 - 125	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 280-613510/1-A
Matrix: Water
Analysis Batch: 613659

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 613510

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.061	ug/L		05/23/23 17:26	05/23/23 22:10	1

Lab Sample ID: LCS 280-613510/2-A
Matrix: Water
Analysis Batch: 613659

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 613510

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	4.99		ug/L		100	84 - 120

Lab Sample ID: LCSD 280-613510/3-A
Matrix: Water
Analysis Batch: 613659

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 613510

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	5.00	5.00		ug/L		100	84 - 120	0	15

Lab Sample ID: 280-176114-A-2-H MS
Matrix: Water
Analysis Batch: 613659

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 613510

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		5.00	5.09		ug/L		102	75 - 125

Lab Sample ID: 280-176114-A-2-I MSD
Matrix: Water
Analysis Batch: 613659

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 613510

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		5.00	5.08		ug/L		102	75 - 125	0	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 280-613328/1-A
Matrix: Solid
Analysis Batch: 613486

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 613328

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.017	0.0055	mg/Kg		05/22/23 15:20	05/22/23 21:15	1

Lab Sample ID: LCS 280-613328/2-A
Matrix: Solid
Analysis Batch: 613486

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 613328

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.333	0.340		mg/Kg		102	87 - 111

Lab Sample ID: 280-176120-B-1-B MS
Matrix: Solid
Analysis Batch: 613486

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 613328

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.0079	J	0.444	0.474		mg/Kg	☼	105	87 - 111

Lab Sample ID: 280-176120-B-1-C MSD
Matrix: Solid
Analysis Batch: 613486

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 613328

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.0079	J	0.420	0.442		mg/Kg	☼	103	87 - 111	7	20

Lab Sample ID: MB 280-613334/1-A
Matrix: Solid
Analysis Batch: 613486

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 613334

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.017	0.0055	mg/Kg		05/22/23 15:20	05/22/23 23:20	1

Lab Sample ID: LCS 280-613334/2-A
Matrix: Solid
Analysis Batch: 613486

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 613334

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.333	0.326		mg/Kg		98	87 - 111

Lab Sample ID: 280-176200-10 MS
Matrix: Solid
Analysis Batch: 613486

Client Sample ID: DU07-230502-Native
Prep Type: Total/NA
Prep Batch: 613334

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.019		0.364	0.402		mg/Kg		105	87 - 111

Lab Sample ID: 280-176200-10 MSD
Matrix: Solid
Analysis Batch: 613486

Client Sample ID: DU07-230502-Native
Prep Type: Total/NA
Prep Batch: 613334

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.019		0.357	0.396		mg/Kg		106	87 - 111	1	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: 280-176200-14 MS
Matrix: Solid
Analysis Batch: 613486

Client Sample ID: DU06-SU03-230504-0.5
Prep Type: Total/NA
Prep Batch: 613334

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.049		0.357	0.420		mg/Kg		104	87 - 111

Lab Sample ID: 280-176200-14 MSD
Matrix: Solid
Analysis Batch: 613486

Client Sample ID: DU06-SU03-230504-0.5
Prep Type: Total/NA
Prep Batch: 613334

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.049		0.364	0.421		mg/Kg		102	87 - 111	0	20

Lab Sample ID: 280-176200-15 MS
Matrix: Solid
Analysis Batch: 613486

Client Sample ID: DU01-230504-0.5
Prep Type: Total/NA
Prep Batch: 613334

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.036		0.377	0.438		mg/Kg		107	87 - 111

Lab Sample ID: 280-176200-15 MSD
Matrix: Solid
Analysis Batch: 613486

Client Sample ID: DU01-230504-0.5
Prep Type: Total/NA
Prep Batch: 613334

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.036		0.351	0.418		mg/Kg		109	87 - 111	5	20

Method: D 2216 - Percent Moisture

Lab Sample ID: 280-176200-4 DU
Matrix: Solid
Analysis Batch: 611852

Client Sample ID: DU05-SU06-230505-COMP02
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	16.5		17.2		%		4	20
Percent Solids	83.5		82.8		%		0.8	20

Lab Sample ID: 280-176200-7 DU
Matrix: Solid
Analysis Batch: 612817

Client Sample ID: B03-17
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	14.0		14.7		%		5	20
Percent Solids	86.0		85.3		%		0.8	20

GC/MS VOA

Analysis Batch: 425808

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-1	DU05-SU05-230505-Pond01	Total/NA	Water	NWTPH-Gx	
280-176200-2	DU05-SU05-230505-Pond02	Total/NA	Water	NWTPH-Gx	
280-176200-5	B03-19GW	Total/NA	Water	NWTPH-Gx	
280-176200-6	B02-15GW	Total/NA	Water	NWTPH-Gx	
MB 580-425808/6	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 580-425808/9	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 580-425808/10	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	

Prep Batch: 425990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-3	DU05-SU06-230505-COMP01	Total/NA	Solid	5035	
280-176200-4	DU05-SU06-230505-COMP02	Total/NA	Solid	5035	
280-176200-7	B03-17	Total/NA	Solid	5035	
280-176200-8	B02-8	Total/NA	Solid	5035	

Analysis Batch: 426049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-3	DU05-SU06-230505-COMP01	Total/NA	Solid	NWTPH-Gx	425990
280-176200-4	DU05-SU06-230505-COMP02	Total/NA	Solid	NWTPH-Gx	425990
280-176200-7	B03-17	Total/NA	Solid	NWTPH-Gx	425990
280-176200-8	B02-8	Total/NA	Solid	NWTPH-Gx	425990

Analysis Batch: 612565

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-6	B02-15GW	Total/NA	Water	8260D	
MB 280-612565/7	Method Blank	Total/NA	Water	8260D	
LCS 280-612565/1002	Lab Control Sample	Total/NA	Water	8260D	
LCSD 280-612565/4	Lab Control Sample Dup	Total/NA	Water	8260D	
280-175962-B-4 MS	Matrix Spike	Total/NA	Water	8260D	
280-175962-C-4 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

Analysis Batch: 612584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-5	B03-19GW	Total/NA	Water	8260D	
MB 280-612584/7	Method Blank	Total/NA	Water	8260D	
LCS 280-612584/1002	Lab Control Sample	Total/NA	Water	8260D	
LCSD 280-612584/4	Lab Control Sample Dup	Total/NA	Water	8260D	
280-176296-W-3 MS	Matrix Spike	Total/NA	Water	8260D	
280-176296-W-3 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

Analysis Batch: 612868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-1	DU05-SU05-230505-Pond01	Total/NA	Water	8260D	
280-176200-2	DU05-SU05-230505-Pond02	Total/NA	Water	8260D	
MB 280-612868/7	Method Blank	Total/NA	Water	8260D	
LCS 280-612868/1002	Lab Control Sample	Total/NA	Water	8260D	
LCSD 280-612868/4	Lab Control Sample Dup	Total/NA	Water	8260D	
240-184832-D-31 MS	Matrix Spike	Total/NA	Water	8260D	
240-184832-I-31 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

GC/MS VOA

Analysis Batch: 612891

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-9	TB-230507-01	Total/NA	Water	8260D	
280-176200-19	TB-230507-02	Total/NA	Water	8260D	
MB 280-612891/7	Method Blank	Total/NA	Water	8260D	
LCS 280-612891/1002	Lab Control Sample	Total/NA	Water	8260D	
LCSD 280-612891/4	Lab Control Sample Dup	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 611929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-5	B03-19GW	Total/NA	Water	3510C	
280-176200-6	B02-15GW	Total/NA	Water	3510C	
MB 280-611929/1-A	Method Blank	Total/NA	Water	3510C	
LCS 280-611929/2-A	Lab Control Sample	Total/NA	Water	3510C	
280-176115-A-2-B MS	Matrix Spike	Total/NA	Water	3510C	
280-176115-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

ISM Prep Batch: 611987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-10	DU07-230502-Native	Total/NA	Solid	Increment, prep	
280-176200-11	DU07-230502-Fill	Total/NA	Solid	Increment, prep	
280-176200-13	DU04-SU01-230504-0.5	Total/NA	Solid	Increment, prep	
280-176200-14	DU06-SU03-230504-0.5	Total/NA	Solid	Increment, prep	
280-176200-15	DU01-230504-0.5	Total/NA	Solid	Increment, prep	
280-176200-16	DU01-230504-0.5-Rep1	Total/NA	Solid	Increment, prep	
280-176200-17	DU01-230504-0.5-Rep2	Total/NA	Solid	Increment, prep	
280-176200-18	DU02-230504-0.5	Total/NA	Solid	Increment, prep	
280-176200-18 - DL	DU02-230504-0.5	Total/NA	Solid	Increment, prep	
280-176200-20	DU06-SU04-230505-0.5	Total/NA	Solid	Increment, prep	
280-176200-21	DU03-230505-0.5	Total/NA	Solid	Increment, prep	
280-176200-22	DU03-230505-0.5-Rep1	Total/NA	Solid	Increment, prep	
280-176200-23	DU03-230505-0.5-Rep2	Total/NA	Solid	Increment, prep	
280-176200-13 MS	DU04-SU01-230504-0.5	Total/NA	Solid	Increment, prep	
280-176200-13 MSD	DU04-SU01-230504-0.5	Total/NA	Solid	Increment, prep	
280-176200-15 MS	DU01-230504-0.5	Total/NA	Solid	Increment, prep	
280-176200-15 MSD	DU01-230504-0.5	Total/NA	Solid	Increment, prep	

Prep Batch: 612087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-1	DU05-SU05-230505-Pond01	Total/NA	Water	3510C	
280-176200-2	DU05-SU05-230505-Pond02	Total/NA	Water	3510C	
MB 280-612087/1-A	Method Blank	Total/NA	Water	3510C	
LCS 280-612087/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 280-612087/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
280-176284-E-4-A MS	Matrix Spike	Total/NA	Water	3510C	
280-176284-E-4-B MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Prep Batch: 612097

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-3	DU05-SU06-230505-COMP01	Total/NA	Solid	3546	
280-176200-4	DU05-SU06-230505-COMP02	Total/NA	Solid	3546	

GC/MS Semi VOA (Continued)

Prep Batch: 612097 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 280-612097/1-A	Method Blank	Total/NA	Solid	3546	
LCS 280-612097/2-A	Lab Control Sample	Total/NA	Solid	3546	
280-176141-B-1-B MS	Matrix Spike	Total/NA	Solid	3546	
280-176141-B-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 612138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-5	B03-19GW	Total/NA	Water	8270D SIM	611929
280-176200-6	B02-15GW	Total/NA	Water	8270D SIM	611929
MB 280-611929/1-A	Method Blank	Total/NA	Water	8270D SIM	611929
LCS 280-611929/2-A	Lab Control Sample	Total/NA	Water	8270D SIM	611929
280-176115-A-2-B MS	Matrix Spike	Total/NA	Water	8270D SIM	611929
280-176115-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	8270D SIM	611929

Analysis Batch: 612216

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-1	DU05-SU05-230505-Pond01	Total/NA	Water	8270D SIM	612087
280-176200-2	DU05-SU05-230505-Pond02	Total/NA	Water	8270D SIM	612087
MB 280-612087/1-A	Method Blank	Total/NA	Water	8270D SIM	612087
LCS 280-612087/2-A	Lab Control Sample	Total/NA	Water	8270D SIM	612087
LCSD 280-612087/3-A	Lab Control Sample Dup	Total/NA	Water	8270D SIM	612087
280-176284-E-4-A MS	Matrix Spike	Total/NA	Water	8270D SIM	612087
280-176284-E-4-B MSD	Matrix Spike Duplicate	Total/NA	Water	8270D SIM	612087

Prep Batch: 612481

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-7	B03-17	Total/NA	Solid	3546	
280-176200-8	B02-8	Total/NA	Solid	3546	
280-176200-10	DU07-230502-Native	Total/NA	Solid	3546	611987
280-176200-11	DU07-230502-Fill	Total/NA	Solid	3546	611987
280-176200-13	DU04-SU01-230504-0.5	Total/NA	Solid	3546	611987
280-176200-14	DU06-SU03-230504-0.5	Total/NA	Solid	3546	611987
280-176200-18 - DL	DU02-230504-0.5	Total/NA	Solid	3546	611987
280-176200-18	DU02-230504-0.5	Total/NA	Solid	3546	611987
280-176200-20	DU06-SU04-230505-0.5	Total/NA	Solid	3546	611987
280-176200-21	DU03-230505-0.5	Total/NA	Solid	3546	611987
280-176200-22	DU03-230505-0.5-Rep1	Total/NA	Solid	3546	611987
280-176200-23	DU03-230505-0.5-Rep2	Total/NA	Solid	3546	611987
MB 280-612481/1-A	Method Blank	Total/NA	Solid	3546	
LCS 280-612481/2-A	Lab Control Sample	Total/NA	Solid	3546	
280-176200-13 MS	DU04-SU01-230504-0.5	Total/NA	Solid	3546	611987
280-176200-13 MSD	DU04-SU01-230504-0.5	Total/NA	Solid	3546	611987

Prep Batch: 612492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-15	DU01-230504-0.5	Total/NA	Solid	3550C	611987
280-176200-16	DU01-230504-0.5-Rep1	Total/NA	Solid	3550C	611987
280-176200-17	DU01-230504-0.5-Rep2	Total/NA	Solid	3550C	611987
MB 280-612492/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 280-612492/2-A	Lab Control Sample	Total/NA	Solid	3550C	
280-176200-15 MS	DU01-230504-0.5	Total/NA	Solid	3550C	611987

GC/MS Semi VOA (Continued)

Prep Batch: 612492 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-15 MSD	DU01-230504-0.5	Total/NA	Solid	3550C	611987

Analysis Batch: 612597

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-7	B03-17	Total/NA	Solid	8270D SIM	612481
280-176200-8	B02-8	Total/NA	Solid	8270D SIM	612481
280-176200-10	DU07-230502-Native	Total/NA	Solid	8270D SIM	612481
280-176200-11	DU07-230502-Fill	Total/NA	Solid	8270D SIM	612481
280-176200-13	DU04-SU01-230504-0.5	Total/NA	Solid	8270D SIM	612481
280-176200-14	DU06-SU03-230504-0.5	Total/NA	Solid	8270D SIM	612481
280-176200-18	DU02-230504-0.5	Total/NA	Solid	8270D SIM	612481
280-176200-20	DU06-SU04-230505-0.5	Total/NA	Solid	8270D SIM	612481
280-176200-21	DU03-230505-0.5	Total/NA	Solid	8270D SIM	612481
280-176200-22	DU03-230505-0.5-Rep1	Total/NA	Solid	8270D SIM	612481
280-176200-23	DU03-230505-0.5-Rep2	Total/NA	Solid	8270D SIM	612481
MB 280-612481/1-A	Method Blank	Total/NA	Solid	8270D SIM	612481
LCS 280-612481/2-A	Lab Control Sample	Total/NA	Solid	8270D SIM	612481
280-176200-13 MS	DU04-SU01-230504-0.5	Total/NA	Solid	8270D SIM	612481
280-176200-13 MSD	DU04-SU01-230504-0.5	Total/NA	Solid	8270D SIM	612481

Analysis Batch: 612600

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-3	DU05-SU06-230505-COMP01	Total/NA	Solid	8270D SIM	612097
280-176200-4	DU05-SU06-230505-COMP02	Total/NA	Solid	8270D SIM	612097
MB 280-612097/1-A	Method Blank	Total/NA	Solid	8270D SIM	612097
LCS 280-612097/2-A	Lab Control Sample	Total/NA	Solid	8270D SIM	612097
280-176141-B-1-B MS	Matrix Spike	Total/NA	Solid	8270D SIM	612097
280-176141-B-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8270D SIM	612097

Analysis Batch: 612910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-15	DU01-230504-0.5	Total/NA	Solid	8270D	612492
280-176200-16	DU01-230504-0.5-Rep1	Total/NA	Solid	8270D	612492
280-176200-17	DU01-230504-0.5-Rep2	Total/NA	Solid	8270D	612492
MB 280-612492/1-A	Method Blank	Total/NA	Solid	8270D	612492
LCS 280-612492/2-A	Lab Control Sample	Total/NA	Solid	8270D	612492
280-176200-15 MS	DU01-230504-0.5	Total/NA	Solid	8270D	612492
280-176200-15 MSD	DU01-230504-0.5	Total/NA	Solid	8270D	612492

Analysis Batch: 613072

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-18 - DL	DU02-230504-0.5	Total/NA	Solid	8270D SIM	612481

GC Semi VOA

Prep Batch: 425673

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-1	DU05-SU05-230505-Pond01	Total/NA	Water	3510C	
280-176200-2	DU05-SU05-230505-Pond02	Total/NA	Water	3510C	
280-176200-5	B03-19GW	Total/NA	Water	3510C	
280-176200-6	B02-15GW	Total/NA	Water	3510C	

GC Semi VOA (Continued)

Prep Batch: 425673 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 580-425673/1-A	Method Blank	Total/NA	Water	3510C	
LCS 580-425673/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 580-425673/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 425687

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-1	DU05-SU05-230505-Pond01	Total/NA	Water	NWTPH-Dx	425673
280-176200-2	DU05-SU05-230505-Pond02	Total/NA	Water	NWTPH-Dx	425673
280-176200-5	B03-19GW	Total/NA	Water	NWTPH-Dx	425673
280-176200-6	B02-15GW	Total/NA	Water	NWTPH-Dx	425673
MB 580-425673/1-A	Method Blank	Total/NA	Water	NWTPH-Dx	425673
LCS 580-425673/2-A	Lab Control Sample	Total/NA	Water	NWTPH-Dx	425673
LCSD 580-425673/3-A	Lab Control Sample Dup	Total/NA	Water	NWTPH-Dx	425673

Prep Batch: 425843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-3	DU05-SU06-230505-COMP01	Total/NA	Solid	3546	
280-176200-4	DU05-SU06-230505-COMP02	Total/NA	Solid	3546	
280-176200-7	B03-17	Total/NA	Solid	3546	
280-176200-8	B02-8	Total/NA	Solid	3546	
MB 580-425843/1-A	Method Blank	Total/NA	Solid	3546	
LCS 580-425843/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 580-425843/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
280-176200-3 DU	DU05-SU06-230505-COMP01	Total/NA	Solid	3546	

Analysis Batch: 425959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-3	DU05-SU06-230505-COMP01	Total/NA	Solid	NWTPH-Dx	425843
280-176200-4	DU05-SU06-230505-COMP02	Total/NA	Solid	NWTPH-Dx	425843
280-176200-7	B03-17	Total/NA	Solid	NWTPH-Dx	425843
280-176200-8	B02-8	Total/NA	Solid	NWTPH-Dx	425843
MB 580-425843/1-A	Method Blank	Total/NA	Solid	NWTPH-Dx	425843
LCS 580-425843/2-A	Lab Control Sample	Total/NA	Solid	NWTPH-Dx	425843
LCSD 580-425843/3-A	Lab Control Sample Dup	Total/NA	Solid	NWTPH-Dx	425843
280-176200-3 DU	DU05-SU06-230505-COMP01	Total/NA	Solid	NWTPH-Dx	425843

Prep Batch: 426406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-10	DU07-230502-Native	Total/NA	Solid	3546	
280-176200-11	DU07-230502-Fill	Total/NA	Solid	3546	
280-176200-13	DU04-SU01-230504-0.5	Total/NA	Solid	3546	
280-176200-14	DU06-SU03-230504-0.5	Total/NA	Solid	3546	
280-176200-15	DU01-230504-0.5	Total/NA	Solid	3546	
280-176200-16	DU01-230504-0.5-Rep1	Total/NA	Solid	3546	
280-176200-17	DU01-230504-0.5-Rep2	Total/NA	Solid	3546	
280-176200-18	DU02-230504-0.5	Total/NA	Solid	3546	
280-176200-20	DU06-SU04-230505-0.5	Total/NA	Solid	3546	
280-176200-21	DU03-230505-0.5	Total/NA	Solid	3546	
280-176200-22	DU03-230505-0.5-Rep1	Total/NA	Solid	3546	
280-176200-23	DU03-230505-0.5-Rep2	Total/NA	Solid	3546	
MB 580-426406/1-A	Method Blank	Total/NA	Solid	3546	

GC Semi VOA (Continued)

Prep Batch: 426406 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 580-426406/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 580-426406/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
280-176200-10 DU	DU07-230502-Native	Total/NA	Solid	3546	
280-176200-21 DU	DU03-230505-0.5	Total/NA	Solid	3546	

Analysis Batch: 427371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-10	DU07-230502-Native	Total/NA	Solid	NWTPH-Dx	426406
280-176200-11	DU07-230502-Fill	Total/NA	Solid	NWTPH-Dx	426406
280-176200-13	DU04-SU01-230504-0.5	Total/NA	Solid	NWTPH-Dx	426406
280-176200-14	DU06-SU03-230504-0.5	Total/NA	Solid	NWTPH-Dx	426406
280-176200-15	DU01-230504-0.5	Total/NA	Solid	NWTPH-Dx	426406
280-176200-16	DU01-230504-0.5-Rep1	Total/NA	Solid	NWTPH-Dx	426406
280-176200-17	DU01-230504-0.5-Rep2	Total/NA	Solid	NWTPH-Dx	426406
280-176200-18	DU02-230504-0.5	Total/NA	Solid	NWTPH-Dx	426406
280-176200-20	DU06-SU04-230505-0.5	Total/NA	Solid	NWTPH-Dx	426406
280-176200-21	DU03-230505-0.5	Total/NA	Solid	NWTPH-Dx	426406
280-176200-22	DU03-230505-0.5-Rep1	Total/NA	Solid	NWTPH-Dx	426406
280-176200-23	DU03-230505-0.5-Rep2	Total/NA	Solid	NWTPH-Dx	426406
MB 580-426406/1-A	Method Blank	Total/NA	Solid	NWTPH-Dx	426406
LCS 580-426406/2-A	Lab Control Sample	Total/NA	Solid	NWTPH-Dx	426406
LCSD 580-426406/3-A	Lab Control Sample Dup	Total/NA	Solid	NWTPH-Dx	426406
280-176200-10 DU	DU07-230502-Native	Total/NA	Solid	NWTPH-Dx	426406
280-176200-21 DU	DU03-230505-0.5	Total/NA	Solid	NWTPH-Dx	426406

ISM Prep Batch: 611987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-10	DU07-230502-Native	Total/NA	Solid	Increment, prep	
280-176200-11	DU07-230502-Fill	Total/NA	Solid	Increment, prep	
280-176200-12	DU04-SU02-230504-0.5	Total/NA	Solid	Increment, prep	
280-176200-13	DU04-SU01-230504-0.5	Total/NA	Solid	Increment, prep	
280-176200-14	DU06-SU03-230504-0.5	Total/NA	Solid	Increment, prep	
280-176200-20	DU06-SU04-230505-0.5	Total/NA	Solid	Increment, prep	
280-176200-14 MS	DU06-SU03-230504-0.5	Total/NA	Solid	Increment, prep	
280-176200-14 MSD	DU06-SU03-230504-0.5	Total/NA	Solid	Increment, prep	

Prep Batch: 612472

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-3	DU05-SU06-230505-COMP01	Total/NA	Solid	3546	
280-176200-4	DU05-SU06-230505-COMP02	Total/NA	Solid	3546	
280-176200-10	DU07-230502-Native	Total/NA	Solid	3546	611987
280-176200-11	DU07-230502-Fill	Total/NA	Solid	3546	611987
280-176200-12	DU04-SU02-230504-0.5	Total/NA	Solid	3546	611987
280-176200-13	DU04-SU01-230504-0.5	Total/NA	Solid	3546	611987
280-176200-14	DU06-SU03-230504-0.5	Total/NA	Solid	3546	611987
280-176200-20	DU06-SU04-230505-0.5	Total/NA	Solid	3546	611987
MB 280-612472/1-A	Method Blank	Total/NA	Solid	3546	
LCS 280-612472/2-A	Lab Control Sample	Total/NA	Solid	3546	
280-176200-14 MS	DU06-SU03-230504-0.5	Total/NA	Solid	3546	611987
280-176200-14 MSD	DU06-SU03-230504-0.5	Total/NA	Solid	3546	611987

GC Semi VOA

Analysis Batch: 612755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-3	DU05-SU06-230505-COMP01	Total/NA	Solid	8082A	612472
280-176200-4	DU05-SU06-230505-COMP02	Total/NA	Solid	8082A	612472
280-176200-10	DU07-230502-Native	Total/NA	Solid	8082A	612472
280-176200-11	DU07-230502-Fill	Total/NA	Solid	8082A	612472
280-176200-12	DU04-SU02-230504-0.5	Total/NA	Solid	8082A	612472
280-176200-13	DU04-SU01-230504-0.5	Total/NA	Solid	8082A	612472
280-176200-14	DU06-SU03-230504-0.5	Total/NA	Solid	8082A	612472
280-176200-20	DU06-SU04-230505-0.5	Total/NA	Solid	8082A	612472
MB 280-612472/1-A	Method Blank	Total/NA	Solid	8082A	612472
LCS 280-612472/2-A	Lab Control Sample	Total/NA	Solid	8082A	612472
280-176200-14 MS	DU06-SU03-230504-0.5	Total/NA	Solid	8082A	612472
280-176200-14 MSD	DU06-SU03-230504-0.5	Total/NA	Solid	8082A	612472

Metals

Prep Batch: 611911

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-1	DU05-SU05-230505-Pond01	Dissolved	Water	3005A	
280-176200-2	DU05-SU05-230505-Pond02	Dissolved	Water	3005A	
280-176200-5	B03-19GW	Dissolved	Water	3005A	
280-176200-6	B02-15GW	Dissolved	Water	3005A	
MB 280-611911/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 280-611911/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 280-611911/3-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
280-176213-M-1-B MS	Matrix Spike	Dissolved	Water	3005A	
280-176213-M-1-C MSD	Matrix Spike Duplicate	Dissolved	Water	3005A	

ISM Prep Batch: 611987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-10	DU07-230502-Native	Total/NA	Solid	Increment, prep	
280-176200-11	DU07-230502-Fill	Total/NA	Solid	Increment, prep	
280-176200-12	DU04-SU02-230504-0.5	Total/NA	Solid	Increment, prep	
280-176200-13	DU04-SU01-230504-0.5	Total/NA	Solid	Increment, prep	
280-176200-14	DU06-SU03-230504-0.5	Total/NA	Solid	Increment, prep	
280-176200-15	DU01-230504-0.5	Total/NA	Solid	Increment, prep	
280-176200-16	DU01-230504-0.5-Rep1	Total/NA	Solid	Increment, prep	
280-176200-17	DU01-230504-0.5-Rep2	Total/NA	Solid	Increment, prep	
280-176200-18	DU02-230504-0.5	Total/NA	Solid	Increment, prep	
280-176200-20	DU06-SU04-230505-0.5	Total/NA	Solid	Increment, prep	
280-176200-21	DU03-230505-0.5	Total/NA	Solid	Increment, prep	
280-176200-22	DU03-230505-0.5-Rep1	Total/NA	Solid	Increment, prep	
280-176200-23	DU03-230505-0.5-Rep2	Total/NA	Solid	Increment, prep	
280-176200-10 MS	DU07-230502-Native	Total/NA	Solid	Increment, prep	
280-176200-10 MSD	DU07-230502-Native	Total/NA	Solid	Increment, prep	
280-176200-13 MS	DU04-SU01-230504-0.5	Total/NA	Solid	Increment, prep	
280-176200-13 MSD	DU04-SU01-230504-0.5	Total/NA	Solid	Increment, prep	
280-176200-14 MS	DU06-SU03-230504-0.5	Total/NA	Solid	Increment, prep	
280-176200-14 MSD	DU06-SU03-230504-0.5	Total/NA	Solid	Increment, prep	
280-176200-15 MS	DU01-230504-0.5	Total/NA	Solid	Increment, prep	
280-176200-15 MSD	DU01-230504-0.5	Total/NA	Solid	Increment, prep	

Metals

Prep Batch: 612037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-3	DU05-SU06-230505-COMP01	Total/NA	Solid	3050B	
280-176200-4	DU05-SU06-230505-COMP02	Total/NA	Solid	3050B	
MB 280-612037/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 280-612037/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-156210-D-1-B MS	Matrix Spike	Total/NA	Solid	3050B	
180-156210-D-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3050B	

Prep Batch: 612386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-10	DU07-230502-Native	Total/NA	Solid	3050B MOD	611987
280-176200-11	DU07-230502-Fill	Total/NA	Solid	3050B MOD	611987
280-176200-13	DU04-SU01-230504-0.5	Total/NA	Solid	3050B MOD	611987
280-176200-14	DU06-SU03-230504-0.5	Total/NA	Solid	3050B MOD	611987
280-176200-15	DU01-230504-0.5	Total/NA	Solid	3050B MOD	611987
280-176200-16	DU01-230504-0.5-Rep1	Total/NA	Solid	3050B MOD	611987
280-176200-17	DU01-230504-0.5-Rep2	Total/NA	Solid	3050B MOD	611987
280-176200-18	DU02-230504-0.5	Total/NA	Solid	3050B MOD	611987
280-176200-20	DU06-SU04-230505-0.5	Total/NA	Solid	3050B MOD	611987
280-176200-21	DU03-230505-0.5	Total/NA	Solid	3050B MOD	611987
280-176200-22	DU03-230505-0.5-Rep1	Total/NA	Solid	3050B MOD	611987
280-176200-23	DU03-230505-0.5-Rep2	Total/NA	Solid	3050B MOD	611987
MB 280-612386/1-A	Method Blank	Total/NA	Solid	3050B MOD	
LCS 280-612386/2-A	Lab Control Sample	Total/NA	Solid	3050B MOD	
280-176200-10 MS	DU07-230502-Native	Total/NA	Solid	3050B MOD	611987
280-176200-10 MSD	DU07-230502-Native	Total/NA	Solid	3050B MOD	611987
280-176200-13 MS	DU04-SU01-230504-0.5	Total/NA	Solid	3050B MOD	611987
280-176200-13 MSD	DU04-SU01-230504-0.5	Total/NA	Solid	3050B MOD	611987
280-176200-14 MS	DU06-SU03-230504-0.5	Total/NA	Solid	3050B MOD	611987
280-176200-14 MSD	DU06-SU03-230504-0.5	Total/NA	Solid	3050B MOD	611987
280-176200-15 MS	DU01-230504-0.5	Total/NA	Solid	3050B MOD	611987
280-176200-15 MSD	DU01-230504-0.5	Total/NA	Solid	3050B MOD	611987

Analysis Batch: 612415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-1	DU05-SU05-230505-Pond01	Dissolved	Water	6010D	611911
280-176200-2	DU05-SU05-230505-Pond02	Dissolved	Water	6010D	611911
280-176200-5	B03-19GW	Dissolved	Water	6010D	611911
280-176200-6	B02-15GW	Dissolved	Water	6010D	611911
MB 280-611911/1-A	Method Blank	Total Recoverable	Water	6010D	611911
LCS 280-611911/2-A	Lab Control Sample	Total Recoverable	Water	6010D	611911
LCSD 280-611911/3-A	Lab Control Sample Dup	Total Recoverable	Water	6010D	611911
280-176213-M-1-B MS	Matrix Spike	Dissolved	Water	6010D	611911
280-176213-M-1-C MSD	Matrix Spike Duplicate	Dissolved	Water	6010D	611911

Prep Batch: 612438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-7	B03-17	Total/NA	Solid	3050B	
280-176200-8	B02-8	Total/NA	Solid	3050B	
MB 280-612438/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 280-612438/2-A	Lab Control Sample	Total/NA	Solid	3050B	
280-176468-A-1-B MS	Matrix Spike	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 612438 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176468-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3050B	

Analysis Batch: 612533

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-3	DU05-SU06-230505-COMP01	Total/NA	Solid	6010D	612037
280-176200-4	DU05-SU06-230505-COMP02	Total/NA	Solid	6010D	612037
MB 280-612037/1-A	Method Blank	Total/NA	Solid	6010D	612037
LCS 280-612037/2-A	Lab Control Sample	Total/NA	Solid	6010D	612037
180-156210-D-1-B MS	Matrix Spike	Total/NA	Solid	6010D	612037
180-156210-D-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	6010D	612037

Analysis Batch: 613158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-7	B03-17	Total/NA	Solid	6010D	612438
280-176200-8	B02-8	Total/NA	Solid	6010D	612438
MB 280-612438/1-A	Method Blank	Total/NA	Solid	6010D	612438
LCS 280-612438/2-A	Lab Control Sample	Total/NA	Solid	6010D	612438
280-176468-A-1-B MS	Matrix Spike	Total/NA	Solid	6010D	612438
280-176468-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	6010D	612438

Prep Batch: 613328

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-3	DU05-SU06-230505-COMP01	Total/NA	Solid	7471B	
280-176200-4	DU05-SU06-230505-COMP02	Total/NA	Solid	7471B	
MB 280-613328/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 280-613328/2-A	Lab Control Sample	Total/NA	Solid	7471B	
280-176120-B-1-B MS	Matrix Spike	Total/NA	Solid	7471B	
280-176120-B-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	7471B	

Prep Batch: 613334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-10	DU07-230502-Native	Total/NA	Solid	7471B	611987
280-176200-11	DU07-230502-Fill	Total/NA	Solid	7471B	611987
280-176200-12	DU04-SU02-230504-0.5	Total/NA	Solid	7471B	611987
280-176200-14	DU06-SU03-230504-0.5	Total/NA	Solid	7471B	611987
280-176200-15	DU01-230504-0.5	Total/NA	Solid	7471B	611987
280-176200-16	DU01-230504-0.5-Rep1	Total/NA	Solid	7471B	611987
280-176200-17	DU01-230504-0.5-Rep2	Total/NA	Solid	7471B	611987
280-176200-18	DU02-230504-0.5	Total/NA	Solid	7471B	611987
280-176200-20	DU06-SU04-230505-0.5	Total/NA	Solid	7471B	611987
280-176200-21	DU03-230505-0.5	Total/NA	Solid	7471B	611987
280-176200-22	DU03-230505-0.5-Rep1	Total/NA	Solid	7471B	611987
280-176200-23	DU03-230505-0.5-Rep2	Total/NA	Solid	7471B	611987
MB 280-613334/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 280-613334/2-A	Lab Control Sample	Total/NA	Solid	7471B	
280-176200-10 MS	DU07-230502-Native	Total/NA	Solid	7471B	611987
280-176200-10 MSD	DU07-230502-Native	Total/NA	Solid	7471B	611987
280-176200-14 MS	DU06-SU03-230504-0.5	Total/NA	Solid	7471B	611987
280-176200-14 MSD	DU06-SU03-230504-0.5	Total/NA	Solid	7471B	611987
280-176200-15 MS	DU01-230504-0.5	Total/NA	Solid	7471B	611987
280-176200-15 MSD	DU01-230504-0.5	Total/NA	Solid	7471B	611987

Metals

Analysis Batch: 613486

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-3	DU05-SU06-230505-COMP01	Total/NA	Solid	7471B	613328
280-176200-4	DU05-SU06-230505-COMP02	Total/NA	Solid	7471B	613328
280-176200-10	DU07-230502-Native	Total/NA	Solid	7471B	613334
280-176200-11	DU07-230502-Fill	Total/NA	Solid	7471B	613334
280-176200-12	DU04-SU02-230504-0.5	Total/NA	Solid	7471B	613334
280-176200-14	DU06-SU03-230504-0.5	Total/NA	Solid	7471B	613334
280-176200-15	DU01-230504-0.5	Total/NA	Solid	7471B	613334
280-176200-16	DU01-230504-0.5-Rep1	Total/NA	Solid	7471B	613334
280-176200-17	DU01-230504-0.5-Rep2	Total/NA	Solid	7471B	613334
280-176200-18	DU02-230504-0.5	Total/NA	Solid	7471B	613334
280-176200-20	DU06-SU04-230505-0.5	Total/NA	Solid	7471B	613334
280-176200-21	DU03-230505-0.5	Total/NA	Solid	7471B	613334
280-176200-22	DU03-230505-0.5-Rep1	Total/NA	Solid	7471B	613334
280-176200-23	DU03-230505-0.5-Rep2	Total/NA	Solid	7471B	613334
MB 280-613328/1-A	Method Blank	Total/NA	Solid	7471B	613328
MB 280-613334/1-A	Method Blank	Total/NA	Solid	7471B	613334
LCS 280-613328/2-A	Lab Control Sample	Total/NA	Solid	7471B	613328
LCS 280-613334/2-A	Lab Control Sample	Total/NA	Solid	7471B	613334
280-176120-B-1-B MS	Matrix Spike	Total/NA	Solid	7471B	613328
280-176120-B-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	7471B	613328
280-176200-10 MS	DU07-230502-Native	Total/NA	Solid	7471B	613334
280-176200-10 MSD	DU07-230502-Native	Total/NA	Solid	7471B	613334
280-176200-14 MS	DU06-SU03-230504-0.5	Total/NA	Solid	7471B	613334
280-176200-14 MSD	DU06-SU03-230504-0.5	Total/NA	Solid	7471B	613334
280-176200-15 MS	DU01-230504-0.5	Total/NA	Solid	7471B	613334
280-176200-15 MSD	DU01-230504-0.5	Total/NA	Solid	7471B	613334

Prep Batch: 613510

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-1	DU05-SU05-230505-Pond01	Dissolved	Water	7470A	
280-176200-2	DU05-SU05-230505-Pond02	Dissolved	Water	7470A	
MB 280-613510/1-A	Method Blank	Total/NA	Water	7470A	
LCS 280-613510/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 280-613510/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	
280-176114-A-2-H MS	Matrix Spike	Total/NA	Water	7470A	
280-176114-A-2-I MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 613592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-10	DU07-230502-Native	Total/NA	Solid	6010D	612386
280-176200-11	DU07-230502-Fill	Total/NA	Solid	6010D	612386
280-176200-13	DU04-SU01-230504-0.5	Total/NA	Solid	6010D	612386
280-176200-14	DU06-SU03-230504-0.5	Total/NA	Solid	6010D	612386
280-176200-15	DU01-230504-0.5	Total/NA	Solid	6010D	612386
280-176200-16	DU01-230504-0.5-Rep1	Total/NA	Solid	6010D	612386
280-176200-17	DU01-230504-0.5-Rep2	Total/NA	Solid	6010D	612386
280-176200-18	DU02-230504-0.5	Total/NA	Solid	6010D	612386
280-176200-20	DU06-SU04-230505-0.5	Total/NA	Solid	6010D	612386
280-176200-21	DU03-230505-0.5	Total/NA	Solid	6010D	612386
280-176200-22	DU03-230505-0.5-Rep1	Total/NA	Solid	6010D	612386
280-176200-23	DU03-230505-0.5-Rep2	Total/NA	Solid	6010D	612386

Metals (Continued)

Analysis Batch: 613592 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 280-612386/1-A	Method Blank	Total/NA	Solid	6010D	612386
LCS 280-612386/2-A	Lab Control Sample	Total/NA	Solid	6010D	612386
280-176200-10 MS	DU07-230502-Native	Total/NA	Solid	6010D	612386
280-176200-10 MSD	DU07-230502-Native	Total/NA	Solid	6010D	612386
280-176200-13 MS	DU04-SU01-230504-0.5	Total/NA	Solid	6010D	612386
280-176200-13 MSD	DU04-SU01-230504-0.5	Total/NA	Solid	6010D	612386
280-176200-14 MS	DU06-SU03-230504-0.5	Total/NA	Solid	6010D	612386
280-176200-14 MSD	DU06-SU03-230504-0.5	Total/NA	Solid	6010D	612386
280-176200-15 MS	DU01-230504-0.5	Total/NA	Solid	6010D	612386
280-176200-15 MSD	DU01-230504-0.5	Total/NA	Solid	6010D	612386

Analysis Batch: 613659

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-1	DU05-SU05-230505-Pond01	Dissolved	Water	7470A	613510
280-176200-2	DU05-SU05-230505-Pond02	Dissolved	Water	7470A	613510
MB 280-613510/1-A	Method Blank	Total/NA	Water	7470A	613510
LCS 280-613510/2-A	Lab Control Sample	Total/NA	Water	7470A	613510
LCSD 280-613510/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	613510
280-176114-A-2-H MS	Matrix Spike	Total/NA	Water	7470A	613510
280-176114-A-2-I MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	613510

General Chemistry

Analysis Batch: 611852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-3	DU05-SU06-230505-COMP01	Total/NA	Solid	D 2216	
280-176200-4	DU05-SU06-230505-COMP02	Total/NA	Solid	D 2216	
280-176200-4 DU	DU05-SU06-230505-COMP02	Total/NA	Solid	D 2216	

Analysis Batch: 611989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-10	DU07-230502-Native	Total/NA	Solid	Increment, prep	
280-176200-11	DU07-230502-Fill	Total/NA	Solid	Increment, prep	
280-176200-13	DU04-SU01-230504-0.5	Total/NA	Solid	Increment, prep	
280-176200-14	DU06-SU03-230504-0.5	Total/NA	Solid	Increment, prep	
280-176200-20	DU06-SU04-230505-0.5	Total/NA	Solid	Increment, prep	
280-176200-20 MS	DU06-SU04-230505-0.5	Total/NA	Solid	Increment, prep	
280-176200-20 MSD	DU06-SU04-230505-0.5	Total/NA	Solid	Increment, prep	

Analysis Batch: 611993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-15	DU01-230504-0.5	Total/NA	Solid	Increment, prep	
280-176200-16	DU01-230504-0.5-Rep1	Total/NA	Solid	Increment, prep	
280-176200-17	DU01-230504-0.5-Rep2	Total/NA	Solid	Increment, prep	
280-176200-18	DU02-230504-0.5	Total/NA	Solid	Increment, prep	
280-176200-21	DU03-230505-0.5	Total/NA	Solid	Increment, prep	
280-176200-22	DU03-230505-0.5-Rep1	Total/NA	Solid	Increment, prep	
280-176200-23	DU03-230505-0.5-Rep2	Total/NA	Solid	Increment, prep	
280-176200-21 MS	DU03-230505-0.5	Total/NA	Solid	Increment, prep	
280-176200-21 MSD	DU03-230505-0.5	Total/NA	Solid	Increment, prep	

General Chemistry

Analysis Batch: 612817

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-7	B03-17	Total/NA	Solid	D 2216	
280-176200-8	B02-8	Total/NA	Solid	D 2216	
280-176200-7 DU	B03-17	Total/NA	Solid	D 2216	

Lab Chronicle

Client: SCS Engineers
Project/Site: Croman Mill Site, Ashland, Oregon

Job ID: 280-176200-1

Client Sample ID: DU05-SU05-230505-Pond01

Lab Sample ID: 280-176200-1

Date Collected: 05/05/23 10:00
Matrix: Water
Date Received: 05/09/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	612868	05/18/23 01:26	CCF	EET DEN
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	425808	05/12/23 20:38	JBT	EET SEA
Total/NA	Prep	3510C			248 mL	1 mL	612087	05/11/23 13:50	MAS	EET DEN
Total/NA	Analysis	8270D SIM		1	200 uL	200 uL	612216	05/12/23 14:12	MAB	EET DEN
Total/NA	Prep	3510C			238.5 mL	2 mL	425673	05/11/23 09:43	AA	EET SEA
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	425687	05/11/23 21:49	KLW	EET SEA
Dissolved	Prep	3005A			50 mL	50 mL	611911	05/11/23 07:42	LJS	EET DEN
Dissolved	Analysis	6010D		1			612415	05/13/23 01:28	ADL	EET DEN
Dissolved	Prep	7470A			30 mL	50 mL	613510	05/23/23 17:26	PFM	EET DEN
Dissolved	Analysis	7470A		1			613659	05/23/23 23:23	PFM	EET DEN

Client Sample ID: DU05-SU05-230505-Pond02

Lab Sample ID: 280-176200-2

Date Collected: 05/05/23 10:05
Matrix: Water
Date Received: 05/09/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	612868	05/18/23 01:46	CCF	EET DEN
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	425808	05/12/23 21:02	JBT	EET SEA
Total/NA	Prep	3510C			234.4 mL	1 mL	612087	05/11/23 13:50	MAS	EET DEN
Total/NA	Analysis	8270D SIM		1	200 uL	200 uL	612216	05/12/23 13:47	MAB	EET DEN
Total/NA	Prep	3510C			243.5 mL	2 mL	425673	05/11/23 09:43	AA	EET SEA
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	425687	05/11/23 22:08	KLW	EET SEA
Dissolved	Prep	3005A			50 mL	50 mL	611911	05/11/23 07:42	LJS	EET DEN
Dissolved	Analysis	6010D		1			612415	05/13/23 01:32	ADL	EET DEN
Dissolved	Prep	7470A			30 mL	50 mL	613510	05/23/23 17:26	PFM	EET DEN
Dissolved	Analysis	7470A		1			613659	05/23/23 23:30	PFM	EET DEN

Client Sample ID: DU05-SU06-230505-COMP01

Lab Sample ID: 280-176200-3

Date Collected: 05/05/23 10:20
Matrix: Solid
Date Received: 05/09/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			611852	05/09/23 17:06	LL	EET DEN

Client Sample ID: DU05-SU06-230505-COMP01

Lab Sample ID: 280-176200-3

Date Collected: 05/05/23 10:20
Matrix: Solid
Date Received: 05/09/23 09:15
Percent Solids: 82.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.7 g	10 mL	425990	05/15/23 13:26	ASJ	EET SEA
Total/NA	Analysis	NWTPH-Gx		1	1.075 mL	43 mL	426049	05/15/23 15:00	K1K	EET SEA
Total/NA	Prep	3546			5.2 g	1 mL	612097	05/11/23 12:12	EDW	EET DEN
Total/NA	Analysis	8270D SIM		1	200 uL	200 uL	612600	05/16/23 13:02	MAB	EET DEN
Total/NA	Prep	3546			5.0 g	10 mL	612472	05/15/23 14:22	GML	EET DEN
Total/NA	Analysis	8082A		1	1 mL	1 mL	612755	05/17/23 18:47	SP	EET DEN

Lab Chronicle

Client: SCS Engineers
Project/Site: Croman Mill Site, Ashland, Oregon

Job ID: 280-176200-1

Client Sample ID: DU05-SU06-230505-COMP01

Date Collected: 05/05/23 10:20
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-3

Matrix: Solid
Percent Solids: 82.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			9.906 g	10 mL	425843	05/12/23 13:28	E1W	EET SEA
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	425959	05/15/23 17:57	KLW	EET SEA
Total/NA	Prep	3050B			1.356 g	100 mL	612037	05/11/23 14:40	MSM	EET DEN
Total/NA	Analysis	6010D		1			612533	05/15/23 13:13	ADL	EET DEN
Total/NA	Prep	7471B			0.58 g	50 mL	613328	05/22/23 15:20	PFM	EET DEN
Total/NA	Analysis	7471B		1			613486	05/22/23 21:51	PFM	EET DEN

Client Sample ID: DU05-SU06-230505-COMP02

Date Collected: 05/05/23 10:25
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-4

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	D 2216		1			611852	05/09/23 17:06	LL	EET DEN

Client Sample ID: DU05-SU06-230505-COMP02

Date Collected: 05/05/23 10:25
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-4

Matrix: Solid
Percent Solids: 83.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.273 g	10 mL	425990	05/15/23 13:26	ASJ	EET SEA
Total/NA	Analysis	NWTPH-Gx		1	1.075 mL	43 mL	426049	05/15/23 15:24	K1K	EET SEA
Total/NA	Prep	3546			5.2 g	1 mL	612097	05/11/23 12:12	EDW	EET DEN
Total/NA	Analysis	8270D SIM		1	200 uL	200 uL	612600	05/16/23 13:27	MAB	EET DEN
Total/NA	Prep	3546			5.0 g	10 mL	612472	05/15/23 14:22	GML	EET DEN
Total/NA	Analysis	8082A		1	1 mL	1 mL	612755	05/17/23 19:06	SP	EET DEN
Total/NA	Prep	3546			10.764 g	10 mL	425843	05/12/23 13:28	E1W	EET SEA
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	425959	05/15/23 18:37	KLW	EET SEA
Total/NA	Prep	3050B			1.382 g	100 mL	612037	05/11/23 14:40	MSM	EET DEN
Total/NA	Analysis	6010D		1			612533	05/15/23 13:17	ADL	EET DEN
Total/NA	Prep	7471B			0.54 g	50 mL	613328	05/22/23 15:20	PFM	EET DEN
Total/NA	Analysis	7471B		1			613486	05/22/23 21:53	PFM	EET DEN

Client Sample ID: B03-19GW

Date Collected: 05/03/23 14:00
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	612584	05/16/23 04:28	BMJ	EET DEN
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	425808	05/12/23 21:26	JBT	EET SEA
Total/NA	Prep	3510C			241.6 mL	1 mL	611929	05/10/23 10:33	CRK	EET DEN
Total/NA	Analysis	8270D SIM		1	200 uL	200 uL	612138	05/11/23 22:47	MAB	EET DEN
Total/NA	Prep	3510C			244.9 mL	2 mL	425673	05/11/23 09:43	AA	EET SEA
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	425687	05/11/23 21:30	KLW	EET SEA
Dissolved	Prep	3005A			50 mL	50 mL	611911	05/11/23 07:42	LJS	EET DEN
Dissolved	Analysis	6010D		1			612415	05/13/23 01:36	ADL	EET DEN

Lab Chronicle

Client: SCS Engineers
Project/Site: Croman Mill Site, Ashland, Oregon

Job ID: 280-176200-1

Client Sample ID: B02-15GW

Date Collected: 05/03/23 15:00
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	612565	05/16/23 01:11	ETB	EET DEN
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	425808	05/12/23 21:50	JBT	EET SEA
Total/NA	Prep	3510C			266.7 mL	1 mL	611929	05/10/23 10:33	CRK	EET DEN
Total/NA	Analysis	8270D SIM		1	200 uL	200 uL	612138	05/11/23 23:12	MAB	EET DEN
Total/NA	Prep	3510C			249.2 mL	2 mL	425673	05/11/23 09:43	AA	EET SEA
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	425687	05/11/23 21:11	KLW	EET SEA
Dissolved	Prep	3005A			50 mL	50 mL	611911	05/11/23 07:42	LJS	EET DEN
Dissolved	Analysis	6010D		1			612415	05/13/23 01:41	ADL	EET DEN

Client Sample ID: B03-17

Date Collected: 05/03/23 13:15
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			612817	05/17/23 12:13	ZPM	EET DEN

Client Sample ID: B03-17

Date Collected: 05/03/23 13:15
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-7
Matrix: Solid
Percent Solids: 86.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			8.392 g	10 mL	425990	05/15/23 13:26	ASJ	EET SEA
Total/NA	Analysis	NWTPH-Gx		1	1.075 mL	43 mL	426049	05/15/23 15:48	K1K	EET SEA
Total/NA	Prep	3546			5.2 g	1 mL	612481	05/15/23 14:28	GML	EET DEN
Total/NA	Analysis	8270D SIM		1	200 uL	200 uL	612597	05/16/23 11:49	MAB	EET DEN
Total/NA	Prep	3546			10.064 g	10 mL	425843	05/12/23 13:28	E1W	EET SEA
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	425959	05/15/23 18:57	KLW	EET SEA
Total/NA	Prep	3050B			1.478 g	100 mL	612438	05/16/23 15:07	MSM	EET DEN
Total/NA	Analysis	6010D		1			613158	05/19/23 05:30	ADL	EET DEN

Client Sample ID: B02-8

Date Collected: 05/03/23 13:30
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			612817	05/17/23 12:13	ZPM	EET DEN

Client Sample ID: B02-8

Date Collected: 05/03/23 13:30
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-8
Matrix: Solid
Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			8.49 g	10 mL	425990	05/15/23 13:26	ASJ	EET SEA
Total/NA	Analysis	NWTPH-Gx		1	1.075 mL	43 mL	426049	05/15/23 16:12	K1K	EET SEA

Lab Chronicle

Client: SCS Engineers
Project/Site: Croman Mill Site, Ashland, Oregon

Job ID: 280-176200-1

Client Sample ID: B02-8

Date Collected: 05/03/23 13:30
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-8

Matrix: Solid
Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			5.1 g	1 mL	612481	05/15/23 14:28	GML	EET DEN
Total/NA	Analysis	8270D SIM		1	200 uL	200 uL	612597	05/16/23 12:11	MAB	EET DEN
Total/NA	Prep	3546			10.051 g	10 mL	425843	05/12/23 13:28	E1W	EET SEA
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	425959	05/15/23 19:16	KLW	EET SEA
Total/NA	Prep	3050B			1.475 g	100 mL	612438	05/16/23 15:07	MSM	EET DEN
Total/NA	Analysis	6010D		1			613158	05/19/23 05:34	ADL	EET DEN

Client Sample ID: TB-230507-01

Date Collected: 05/07/23 11:00
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	612891	05/18/23 01:00	BMJ	EET DEN

Client Sample ID: DU07-230502-Native

Date Collected: 05/02/23 18:30
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	ISM Prep	Increment, prep					611987	05/10/23 14:21	EKB	EET DEN
Total/NA	Prep	3546			15.0 g	1 mL	612481	05/15/23 14:28	GML	EET DEN
Total/NA	Analysis	8270D SIM		1	200 uL	200 uL	612597	05/16/23 12:33	MAB	EET DEN
Total/NA	ISM Prep	Increment, prep					611987	05/10/23 14:21	EKB	EET DEN
Total/NA	Prep	3546			15.3 g	10 mL	612472	05/15/23 14:22	GML	EET DEN
Total/NA	Analysis	8082A		1	1 mL	1 mL	612755	05/17/23 19:24	SP	EET DEN
Total/NA	Prep	3546			10.14 g	10 mL	426406	05/18/23 14:28	E1W	EET SEA
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	427371	05/30/23 13:27	KLW	EET SEA
Total/NA	ISM Prep	Increment, prep					611987	05/10/23 14:21	EKB	EET DEN
Total/NA	Prep	3050B MOD			1.365 g	100 mL	612386	05/22/23 07:43	LJS	EET DEN
Total/NA	Analysis	6010D		1			613592	05/22/23 21:40	ADL	EET DEN
Total/NA	ISM Prep	Increment, prep					611987	05/10/23 14:21	EKB	EET DEN
Total/NA	Prep	7471B			0.59 g	50 mL	613334	05/22/23 15:20	PFM	EET DEN
Total/NA	Analysis	7471B		1			613486	05/22/23 23:25	PFM	EET DEN
Total/NA	Analysis	Increment, prep		1			611989	05/10/23 14:44	EKB	EET DEN

Client Sample ID: DU07-230502-Fill

Date Collected: 05/02/23 18:45
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	ISM Prep	Increment, prep					611987	05/10/23 14:21	EKB	EET DEN
Total/NA	Prep	3546			15.1 g	1 mL	612481	05/15/23 14:28	GML	EET DEN
Total/NA	Analysis	8270D SIM		1	200 uL	200 uL	612597	05/16/23 12:56	MAB	EET DEN
Total/NA	ISM Prep	Increment, prep					611987	05/10/23 14:21	EKB	EET DEN
Total/NA	Prep	3546			16.3 g	10 mL	612472	05/15/23 14:22	GML	EET DEN
Total/NA	Analysis	8082A		1	1 mL	1 mL	612755	05/17/23 19:43	SP	EET DEN

Lab Chronicle

Client: SCS Engineers
Project/Site: Croman Mill Site, Ashland, Oregon

Job ID: 280-176200-1

Client Sample ID: DU07-230502-Fill

Date Collected: 05/02/23 18:45
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			10.44 g	10 mL	426406	05/18/23 14:28	E1W	EET SEA
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	427371	05/30/23 14:05	KLW	EET SEA
Total/NA	ISM Prep	Increment, prep					611987	05/10/23 14:21	EKB	EET DEN
Total/NA	Prep	3050B MOD			1.341 g	100 mL	612386	05/22/23 07:43	LJS	EET DEN
Total/NA	Analysis	6010D		1			613592	05/22/23 22:00	ADL	EET DEN
Total/NA	ISM Prep	Increment, prep					611987	05/10/23 14:21	EKB	EET DEN
Total/NA	Prep	7471B			0.60 g	50 mL	613334	05/22/23 15:20	PFM	EET DEN
Total/NA	Analysis	7471B		1			613486	05/22/23 23:33	PFM	EET DEN
Total/NA	Analysis	Increment, prep		1			611989	05/10/23 14:44	EKB	EET DEN

Client Sample ID: DU04-SU02-230504-0.5

Date Collected: 05/04/23 14:00
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	ISM Prep	Increment, prep					611987	05/10/23 14:21	EKB	EET DEN
Total/NA	Prep	3546			15.4 g	10 mL	612472	05/15/23 14:22	GML	EET DEN
Total/NA	Analysis	8082A		1	1 mL	1 mL	612755	05/17/23 20:02	SP	EET DEN
Total/NA	ISM Prep	Increment, prep					611987	05/10/23 14:21	EKB	EET DEN
Total/NA	Prep	7471B			0.59 g	50 mL	613334	05/22/23 15:20	PFM	EET DEN
Total/NA	Analysis	7471B		1			613486	05/22/23 23:35	PFM	EET DEN

Client Sample ID: DU04-SU01-230504-0.5

Date Collected: 05/04/23 14:45
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	ISM Prep	Increment, prep					611987	05/10/23 14:21	EKB	EET DEN
Total/NA	Prep	3546			15.2 g	1 mL	612481	05/15/23 14:28	GML	EET DEN
Total/NA	Analysis	8270D SIM		1	200 uL	200 uL	612597	05/16/23 13:18	MAB	EET DEN
Total/NA	ISM Prep	Increment, prep					611987	05/10/23 14:21	EKB	EET DEN
Total/NA	Prep	3546			15.2 g	10 mL	612472	05/15/23 14:22	GML	EET DEN
Total/NA	Analysis	8082A		1	1 mL	1 mL	612755	05/17/23 20:22	SP	EET DEN
Total/NA	Prep	3546			10.24 g	10 mL	426406	05/18/23 14:28	E1W	EET SEA
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	427371	05/30/23 14:24	KLW	EET SEA
Total/NA	ISM Prep	Increment, prep					611987	05/10/23 14:21	EKB	EET DEN
Total/NA	Prep	3050B MOD			1.338 g	100 mL	612386	05/22/23 07:43	LJS	EET DEN
Total/NA	Analysis	6010D		1			613592	05/22/23 22:21	ADL	EET DEN
Total/NA	Analysis	Increment, prep		1			611989	05/10/23 14:44	EKB	EET DEN

Client Sample ID: DU06-SU03-230504-0.5

Lab Sample ID: 280-176200-14

Date Collected: 05/04/23 15:30

Matrix: Solid

Date Received: 05/09/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	ISM Prep	Increment, prep					611987	05/10/23 14:21	EKB	EET DEN
Total/NA	Prep	3546			15.0 g	1 mL	612481	05/15/23 14:28	GML	EET DEN
Total/NA	Analysis	8270D SIM		1	200 uL	200 uL	612597	05/16/23 14:24	MAB	EET DEN
Total/NA	ISM Prep	Increment, prep					611987	05/10/23 14:21	EKB	EET DEN
Total/NA	Prep	3546			15.5 g	10 mL	612472	05/15/23 14:22	GML	EET DEN
Total/NA	Analysis	8082A		1	1 mL	1 mL	612755	05/17/23 21:18	SP	EET DEN
Total/NA	Prep	3546			10.67 g	10 mL	426406	05/18/23 14:28	E1W	EET SEA
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	427371	05/30/23 14:43	KLW	EET SEA
Total/NA	ISM Prep	Increment, prep					611987	05/10/23 14:21	EKB	EET DEN
Total/NA	Prep	3050B MOD			1.384 g	100 mL	612386	05/22/23 07:43	LJS	EET DEN
Total/NA	Analysis	6010D		1			613592	05/22/23 22:33	ADL	EET DEN
Total/NA	ISM Prep	Increment, prep					611987	05/10/23 14:21	EKB	EET DEN
Total/NA	Prep	7471B			0.57 g	50 mL	613334	05/22/23 15:20	PFM	EET DEN
Total/NA	Analysis	7471B		1			613486	05/22/23 23:38	PFM	EET DEN
Total/NA	Analysis	Increment, prep		1			611989	05/10/23 14:44	EKB	EET DEN

Client Sample ID: DU01-230504-0.5

Lab Sample ID: 280-176200-15

Date Collected: 05/04/23 16:15

Matrix: Solid

Date Received: 05/09/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	ISM Prep	Increment, prep					611987	05/10/23 14:21	EKB	EET DEN
Total/NA	Prep	3550C			30.1 g	1 mL	612492	05/15/23 15:08	GML	EET DEN
Total/NA	Analysis	8270D		1	250 uL	250 uL	612910	05/18/23 16:41	RJC	EET DEN
Total/NA	Prep	3546			10.25 g	10 mL	426406	05/18/23 14:28	E1W	EET SEA
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	427371	05/30/23 15:02	KLW	EET SEA
Total/NA	ISM Prep	Increment, prep					611987	05/10/23 14:21	EKB	EET DEN
Total/NA	Prep	3050B MOD			1.248 g	100 mL	612386	05/22/23 07:43	LJS	EET DEN
Total/NA	Analysis	6010D		1			613592	05/22/23 22:45	ADL	EET DEN
Total/NA	ISM Prep	Increment, prep					611987	05/10/23 14:21	EKB	EET DEN
Total/NA	Prep	7471B			0.60 g	50 mL	613334	05/22/23 15:20	PFM	EET DEN
Total/NA	Analysis	7471B		1			613486	05/22/23 23:51	PFM	EET DEN
Total/NA	Analysis	Increment, prep		1			611993	05/10/23 14:50	EKB	EET DEN

Client Sample ID: DU01-230504-0.5-Rep1

Lab Sample ID: 280-176200-16

Date Collected: 05/04/23 16:25

Matrix: Solid

Date Received: 05/09/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	ISM Prep	Increment, prep					611987	05/10/23 14:21	EKB	EET DEN
Total/NA	Prep	3550C			31.2 g	1 mL	612492	05/15/23 15:08	GML	EET DEN
Total/NA	Analysis	8270D		1	250 uL	250 uL	612910	05/18/23 17:46	RJC	EET DEN
Total/NA	Prep	3546			10.20 g	10 mL	426406	05/18/23 14:28	E1W	EET SEA
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	427371	05/30/23 15:39	KLW	EET SEA

Client Sample ID: DU01-230504-0.5-Rep1

Lab Sample ID: 280-176200-16

Date Collected: 05/04/23 16:25
Date Received: 05/09/23 09:15

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	ISM Prep	Increment, prep					611987	05/10/23 14:21	EKB	EET DEN
Total/NA	Prep	3050B MOD			1.414 g	100 mL	612386	05/22/23 07:43	LJS	EET DEN
Total/NA	Analysis	6010D		1			613592	05/22/23 23:13	ADL	EET DEN
Total/NA	ISM Prep	Increment, prep					611987	05/10/23 14:21	EKB	EET DEN
Total/NA	Prep	7471B			0.59 g	50 mL	613334	05/22/23 15:20	PFM	EET DEN
Total/NA	Analysis	7471B		1			613486	05/22/23 23:58	PFM	EET DEN
Total/NA	Analysis	Increment, prep		1			611993	05/10/23 14:50	EKB	EET DEN

Client Sample ID: DU01-230504-0.5-Rep2

Lab Sample ID: 280-176200-17

Date Collected: 05/04/23 16:35
Date Received: 05/09/23 09:15

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	ISM Prep	Increment, prep					611987	05/10/23 14:21	EKB	EET DEN
Total/NA	Prep	3550C			30.0 g	1 mL	612492	05/15/23 15:08	GML	EET DEN
Total/NA	Analysis	8270D		1	250 uL	250 uL	612910	05/18/23 18:07	RJC	EET DEN
Total/NA	Prep	3546			10.21 g	10 mL	426406	05/18/23 14:28	E1W	EET SEA
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	427371	05/30/23 15:58	KLW	EET SEA
Total/NA	ISM Prep	Increment, prep					611987	05/10/23 14:21	EKB	EET DEN
Total/NA	Prep	3050B MOD			1.361 g	100 mL	612386	05/22/23 07:43	LJS	EET DEN
Total/NA	Analysis	6010D		1			613592	05/22/23 23:18	ADL	EET DEN
Total/NA	ISM Prep	Increment, prep					611987	05/10/23 14:21	EKB	EET DEN
Total/NA	Prep	7471B			0.55 g	50 mL	613334	05/22/23 15:20	PFM	EET DEN
Total/NA	Analysis	7471B		1			613486	05/23/23 00:01	PFM	EET DEN
Total/NA	Analysis	Increment, prep		1			611993	05/10/23 14:50	EKB	EET DEN

Client Sample ID: DU02-230504-0.5

Lab Sample ID: 280-176200-18

Date Collected: 05/04/23 17:00
Date Received: 05/09/23 09:15

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	ISM Prep	Increment, prep					611987	05/10/23 14:21	EKB	EET DEN
Total/NA	Prep	3546			15.0 g	1 mL	612481	05/15/23 14:28	GML	EET DEN
Total/NA	Analysis	8270D SIM		1	200 uL	200 uL	612597	05/16/23 14:46	MAB	EET DEN
Total/NA	ISM Prep	Increment, prep	DL				611987	05/10/23 14:21	EKB	EET DEN
Total/NA	Prep	3546	DL		15.0 g	1 mL	612481	05/15/23 14:28	GML	EET DEN
Total/NA	Analysis	8270D SIM	DL	2	200 uL	200 uL	613072	05/18/23 17:44	MAB	EET DEN
Total/NA	Prep	3546			10.17 g	10 mL	426406	05/18/23 14:28	E1W	EET SEA
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	427371	05/30/23 16:17	KLW	EET SEA
Total/NA	ISM Prep	Increment, prep					611987	05/10/23 14:21	EKB	EET DEN
Total/NA	Prep	3050B MOD			1.312 g	100 mL	612386	05/22/23 07:43	LJS	EET DEN
Total/NA	Analysis	6010D		1			613592	05/22/23 23:22	ADL	EET DEN
Total/NA	ISM Prep	Increment, prep					611987	05/10/23 14:21	EKB	EET DEN
Total/NA	Prep	7471B			0.54 g	50 mL	613334	05/22/23 15:20	PFM	EET DEN
Total/NA	Analysis	7471B		1			613486	05/23/23 00:03	PFM	EET DEN
Total/NA	Analysis	Increment, prep		1			611993	05/10/23 14:50	EKB	EET DEN

Lab Chronicle

Client: SCS Engineers
Project/Site: Croman Mill Site, Ashland, Oregon

Job ID: 280-176200-1

Client Sample ID: TB-230507-02

Date Collected: 05/07/23 12:00
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	612891	05/18/23 01:22	BMJ	EET DEN

Client Sample ID: DU06-SU04-230505-0.5

Date Collected: 05/05/23 10:45
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	ISM Prep	Increment, prep					611987	05/10/23 14:21	EKB	EET DEN
Total/NA	Prep	3546			15.4 g	1 mL	612481	05/15/23 14:28	GML	EET DEN
Total/NA	Analysis	8270D SIM		1	200 uL	200 uL	612597	05/16/23 15:08	MAB	EET DEN
Total/NA	ISM Prep	Increment, prep					611987	05/10/23 14:21	EKB	EET DEN
Total/NA	Prep	3546			15.6 g	10 mL	612472	05/15/23 14:22	GML	EET DEN
Total/NA	Analysis	8082A		1	1 mL	1 mL	612755	05/17/23 22:13	SP	EET DEN
Total/NA	Prep	3546			10.98 g	10 mL	426406	05/18/23 14:28	E1W	EET SEA
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	427371	05/30/23 16:36	KLW	EET SEA
Total/NA	ISM Prep	Increment, prep					611987	05/10/23 14:21	EKB	EET DEN
Total/NA	Prep	3050B MOD			1.495 g	100 mL	612386	05/22/23 07:43	LJS	EET DEN
Total/NA	Analysis	6010D		1			613592	05/22/23 23:26	ADL	EET DEN
Total/NA	ISM Prep	Increment, prep					611987	05/10/23 14:21	EKB	EET DEN
Total/NA	Prep	7471B			0.52 g	50 mL	613334	05/22/23 15:20	PFM	EET DEN
Total/NA	Analysis	7471B		1			613486	05/23/23 00:06	PFM	EET DEN
Total/NA	Analysis	Increment, prep		1			611989	05/10/23 14:44	EKB	EET DEN

Client Sample ID: DU03-230505-0.5

Date Collected: 05/05/23 11:15
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-21

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	ISM Prep	Increment, prep					611987	05/10/23 14:21	EKB	EET DEN
Total/NA	Prep	3546			15.5 g	1 mL	612481	05/15/23 14:28	GML	EET DEN
Total/NA	Analysis	8270D SIM		1	200 uL	200 uL	612597	05/16/23 15:30	MAB	EET DEN
Total/NA	Prep	3546			10.60 g	10 mL	426406	05/18/23 14:28	E1W	EET SEA
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	427371	05/30/23 21:03	KLW	EET SEA
Total/NA	ISM Prep	Increment, prep					611987	05/10/23 14:21	EKB	EET DEN
Total/NA	Prep	3050B MOD			1.460 g	100 mL	612386	05/22/23 07:43	LJS	EET DEN
Total/NA	Analysis	6010D		1			613592	05/22/23 23:30	ADL	EET DEN
Total/NA	ISM Prep	Increment, prep					611987	05/10/23 14:21	EKB	EET DEN
Total/NA	Prep	7471B			0.59 g	50 mL	613334	05/22/23 15:20	PFM	EET DEN
Total/NA	Analysis	7471B		1			613486	05/23/23 00:08	PFM	EET DEN
Total/NA	Analysis	Increment, prep		1			611993	05/10/23 14:50	EKB	EET DEN

Lab Chronicle

Client: SCS Engineers
Project/Site: Croman Mill Site, Ashland, Oregon

Job ID: 280-176200-1

Client Sample ID: DU03-230505-0.5-Rep1

Date Collected: 05/05/23 11:20
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-22

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	ISM Prep	Increment, prep					611987	05/10/23 14:21	EKB	EET DEN
Total/NA	Prep	3546			15.2 g	1 mL	612481	05/15/23 14:28	GML	EET DEN
Total/NA	Analysis	8270D SIM		1	200 uL	200 uL	612597	05/16/23 15:52	MAB	EET DEN
Total/NA	Prep	3546			9.94 g	10 mL	426406	05/18/23 14:28	E1W	EET SEA
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	427371	05/30/23 21:41	KLW	EET SEA
Total/NA	ISM Prep	Increment, prep					611987	05/10/23 14:21	EKB	EET DEN
Total/NA	Prep	3050B MOD			1.319 g	100 mL	612386	05/22/23 07:43	LJS	EET DEN
Total/NA	Analysis	6010D		1			613592	05/22/23 23:34	ADL	EET DEN
Total/NA	ISM Prep	Increment, prep					611987	05/10/23 14:21	EKB	EET DEN
Total/NA	Prep	7471B			0.53 g	50 mL	613334	05/22/23 15:20	PFM	EET DEN
Total/NA	Analysis	7471B		1			613486	05/23/23 00:11	PFM	EET DEN
Total/NA	Analysis	Increment, prep		1			611993	05/10/23 14:50	EKB	EET DEN

Client Sample ID: DU03-230505-0.5-Rep2

Date Collected: 05/05/23 11:25
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-23

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	ISM Prep	Increment, prep					611987	05/10/23 14:21	EKB	EET DEN
Total/NA	Prep	3546			15.0 g	1 mL	612481	05/15/23 14:28	GML	EET DEN
Total/NA	Analysis	8270D SIM		1	200 uL	200 uL	612597	05/16/23 16:14	MAB	EET DEN
Total/NA	Prep	3546			10.13 g	10 mL	426406	05/18/23 14:28	E1W	EET SEA
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	427371	05/30/23 22:00	KLW	EET SEA
Total/NA	ISM Prep	Increment, prep					611987	05/10/23 14:21	EKB	EET DEN
Total/NA	Prep	3050B MOD			1.388 g	100 mL	612386	05/22/23 07:43	LJS	EET DEN
Total/NA	Analysis	6010D		1			613592	05/22/23 23:38	ADL	EET DEN
Total/NA	ISM Prep	Increment, prep					611987	05/10/23 14:21	EKB	EET DEN
Total/NA	Prep	7471B			0.58 g	50 mL	613334	05/22/23 15:20	PFM	EET DEN
Total/NA	Analysis	7471B		1			613486	05/23/23 00:13	PFM	EET DEN
Total/NA	Analysis	Increment, prep		1			611993	05/10/23 14:50	EKB	EET DEN

Laboratory References:

EET DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100
EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: SCS Engineers
Project/Site: Croman Mill Site, Ashland, Oregon

Job ID: 280-176200-1

Laboratory: Eurofins Denver

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

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4025-011	01-10-24

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

Analysis Method	Prep Method	Matrix	Analyte
8082A	3546	Solid	Polychlorinated biphenyls, Total
D 2216		Solid	Percent Solids
Increment, prep		Solid	Incremented sample generated

Laboratory: Eurofins Seattle

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4167	07-07-23

Eurofins Denver
4955 Yarrow Street

Arvada, CO 80002-4517
phone 303.736.0100 fax 303.431.7171

Chain of Custody Record

eurofins

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Eurofins Environment Testing America

Client Contact	**Project Manager: Barb Lary**	**Site Contact: Barb Lary**	**Date:**
SCS Engineers	email Blary@scsengineers.com	**Lab Contact:M. Gardner**	**Carrier:**
Address 15940 SW 72nd Ave.	**Tel/Fax:971-284-1297**		
City/State/Zip Portland, OR 97224	**Analysis Turnaround Time**		
(971) 284-1297 Phone	☐ CALENDAR DAYS ☐ WORKING DAYS		
(xxx) xxx-xxxx FAX	TAT if different from Below _____		
Project Name: Former Croman Mill	☑ 2 weeks		
Site: Ashland, OR	☐ 1 week		
P O # 04222021.00 Task 02	☐ 2 days		
	☐ 1 day		

COC No: __1__ of __3__ COCs
TALS Project #:
Sampler:
For Lab Use Only:
Walk-in Client:
Lab Sampling:
Job / SDG No.:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	NWTPH-Dx	NWTPH-Gx	SVOC by EPA 8270	PAHs by EPA 8270 SIM	RCRA 8 metals	PCBs by EPA 8082	Dioxins & Furans by EPA 8290	Lead	ISM Processing	Mercury	VOCs by EP 8260	Sample Specific Notes:
DU05-SU05-230505-Pond01	5/5/2023	1000	G	W	11	X		X	X		X	X						X	
DU05-SU05-230505-Pond02	5/5/2023	1005	G	W	11	X		X	X		X	X						X	
DU05-SU06-230505-COMP01	5/5/2023	1020	C	S	7			X	X		X	X	X	X					
DU05-SU06-230505-COMP02	5/5/2023	1025	C	S	7			X	X		X	X	X	X					
B03-19GW	5/3/2023	1400	G	W	11	X		X	X		X				X			X	
B02-15GW	5/3/2023	1500	G	W	11	X		X	X		X				X			X	
B03-17	5/3/2023	1315	G	S	7			X	X		X				X			X	
B02-8	5/3/2023	1330	G	S	8			X	X		X				X			X	
TB-230507-01	5/7/2023	1100		W	2													X	

280-176200 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments: On the DU05-SU06-230505-Comp01 and 02, sediment sample from pond. Do silica gel cleanup.

Temps 0.7° 1.3° cFal IR14

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____	Corr'd: _____	Therm ID No.: _____
Relinquished by:	Company: ACE	Date/Time: 5/22/23	Received by:	Company: ETA/EN	Date/Time: 5.9.23 0915
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Eurofins Denver
4955 Yarrow Street

Arvada, CO 80002-4517
phone 303.736.0100 fax 303.431.7171

Chain of Custody Record

eurofins

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Eurofins Environment Testing America

Client Contact	**Project Manager: Barb Lary**		COC No:
SCS Engineers	Email Blary@scsengineers.com	**Site Contact: Barb Lary**	**Date:**	__2__ of __3__ COCs
Address 15940 SW 72nd Ave.	**Tel/Fax:971-284-1297**	**Lab Contact:M. Gardner**	**Carrier:**	TALS Project #:
City/State/Zip Portland, OR 97224	**Analysis Turnaround Time**			Sampler:
(971) 284-1297 Phone	☐ CALENDAR DAYS ☐ WORKING DAYS			**For Lab Use Only:**
(xxx) xxx-xxxx FAX	TAT if different from Below _____			Walk-in Client:
Project Name: Former Croman Mill	☑ 2 weeks			Lab Sampling:
Site: Ashland, OR	☐ 1 week			
P O # 04222021.00 Task 02	☐ 2 days			Job / SDG No.:
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	NWTPH-Dx	NWTPH-Gx	SVOC by EPA 8270	PAHs by EPA 8270 SIM	RCRA 8 metals	PCBs by EPA 8082	Dioxins & Furans by EPA 8290	Lead	ISM Processing	Mercury	Sample Specific Notes:
DU07-230502-Native	5/2/2023	1830	C	S	1			X			X	X	X			X		
DU07-230502-Fill	5/2/2023	1845	C	S	1			X			X	X	X			X		
DU04-SU02-230504-0.5	5/4/2023	1400	C	S	1								X			X	X	
DU04-SU01-230504-0.5	5/4/2023	1445	C	S	1			X			X		X		X	X		
DU06-SU03-230504-0.5	5/4/2023	1530	C	S	1			X			X	X	X			X		
DU01-230504-0.5	5/4/2023	1615	C	S	1			X		X		X		X		X		
DU01-230504-0.5-Rep1	5/4/2023	1625	C	S	1			X		X		X		X		X		
DU01-230504-0.5-Rep2	5/4/2023	1635	C	S	1			X		X		X		X		X		
DU02-230504-0.5	5/4/2023	1700	C	S	1			X			X	X		X		X		
TE 23C7-C2	5/1/23			W	2					X								

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the **Comments** Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Temps 0.7c 1.3c cFoil IR14

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____		Therm ID No.:_____
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Page 144 of 160

6/1/2023

Eurofins Denver
4955 Yarrow Street

Arvada, CO 80002-4517
phone 303.736.0100 fax 303.431.7171

Chain of Custody Record

eurofins

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Eurofins Environment Testing America

Client Contact	**Project Manager: Barb Lary**		COC No:
SCS Engineers	Email Blary@scsengineers.com	**Site Contact: Barb Lary**	**Date:**	__3__ of __3__ COCs
Address 15940 SW 72nd Ave.	**Tel/Fax:971-284-1297**	**Lab Contact:M. Gardner**	**Carrier:**	TALS Project #:
City/State/Zip Portland, OR 97224	**Analysis Turnaround Time**			Sampler:
(971) 284-1297 Phone	☐ CALENDAR DAYS ☐ WORKING DAYS			**For Lab Use Only:**
(xxx) xxx-xxxx FAX	TAT if different from Below _____			Walk-in Client:
Project Name Former Croman Mill	☑ 2 weeks			Lab Sampling:
Site: Ashland, OR	☐ 1 week			Job / SDG No..
P O # 04222021.00 Task 02	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	NWTPH-Dx	NWTPH-Gx	SVOC by EPA 8270	PAHs by EPA 8270 SIM	RCRA 8 metals	PCBs by EPA 8082	Dioxins & Furans by EPA 8290	ISM Processing	Sample Specific Notes:
DU06-SU04-230505-0.5	5/5/2023	1045	C	S	1			X			X	X	X		X	
DU03-230505-0.5	5/5/2023	1115	C	S	1			X			X	X		X	X	
DU03-230505-0.5-Rep1	5/5/2023	1120	C	S	1			X			X	X		X	X	
DU03-230505-0.5-Rep2	5/5/2023	1125	C	S	1			X			X	X		X	X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

TEMPS 0.7°C 1.3°C CF0.1 IR14

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____		Therm ID No.:_____
Relinquished by:	Company:	Date/Time: 5/23/23	Received by:	Company: ETADEN	Date/Time: 5-9-23 0915
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

6/1/2023

Eurofins Seattle
5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gardner, Matthew O	Carrier Tracking No(s):	COC No: 580-119651.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Matthew.Gardner@et.eurofinsus.com	State of Origin: Oregon	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Oregon		Job #: 280-176200-1
Address: 4955 Yarrow Street, ,	Due Date Requested: 5/11/2023			
City: Arvada	TAT Requested (days):			
State, Zip: CO, 80002				
Phone: 303-736-0100(Tel) 303-431-7171(Fax)	PO #:			
Email:	WO #:			
Project Name: Croman Mill Site, Ashland, Oregon	Project #: 28023587			
Site:	SSOW#:			

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)

Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270D_SIM/3546 Standard SIM List	6010D/3050B RCRA Metals	Moisture	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
B03-17 (280-176200-7)	5/3/23	13:15 Pacific		Solid			X	X	X	1	
B02-8 (280-176200-8)	5/3/23	13:30 Pacific		Solid			X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: K Hasberry	Date/Time: 5/11/23 1500	Company EE	Received by:	Date/Time: 5/12/23 0910	Company ETAT
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 4.0 / 1.1 IR Gun #1

Ver: 06/08/2021

ORIGIN ID:BNOA (503) 639-9548
HEATHER WILLIAMS
SCS ENGINEERS
15940 SW 72ND AVENUE

PORTLAND, OR 97224
UNITED STATES US

SHIP DATE: 02MAY23
ACTWGT: 50.00 LB
CAD: 110973958/INET4610

BILL SENDER

TO SAMPLE RECEIVING
EUROFINS LABS-COLORADO
4955 YARROW ST

ARVADA CO 80002
(303) 736-0100
INV:
PO: DEPT:

REF: 04222021.00 TASK 2

583J3/2BC3/FE2D

FedEx Express

FedEx
MPS# 0263 7719 4548 7998

TUE – 09 MAY 10:30A
PRIORITY OVERNIGHT

XA LAAA

80002
CO – US DEN

Ref # 156297-435 RRDB EXP 09/23

#4839963 05/08 583J3/2BC3/FE2D

280-176200 Waybill

FedEx Ship Manager - Print Your Label(s)

4/24/23, 2:19 PM

Eurofins Denver
4955 Yarrow Street
Arvada, CO 80002
Phone: 303-736-0100 Fax: 303-431-7171

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gardner, Matthew O	Carrier Tracking No(s):	COC No: 280-655299.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Matthew.Gardner@et.eurofinsus.com	State of Origin: Oregon	Page: Page 1 of 1
Company: Eurofins Environment Testing Northern Ca		Accreditations Required (See note): NELAP - Oregon		Job #: 280-176200-1
Address: 880 Riverside Parkway,	Due Date Requested: 5/30/2023			Preservation Codes:
City: West Sacramento	TAT Requested (days):			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
State, Zip: CA, 95605				Other:
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Croman Mill Site, Ashland, Oregon	Project #: 28023587			
Site:	SSOW#:			

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8290A/8290_P_Sox 17 Isomers & Totals	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
DU05-SU06-230505-COMP01 (280-176200-3)	5/5/23	10:20 Pacific		Solid			X	1	
DU05-SU06-230505-COMP02 (280-176200-4)	5/5/23	10:25 Pacific		Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify) | Primary Deliverable Rank: 2 | Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by:	5/9/23 1532	ETAUEN		5/10/23 945	GSTSAC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: Seal | Cooler Temperature(s) °C and Other Remarks: 1.8c

Ver: 06/08/2021

Eurofins Denver
4955 Yarrow Street
Arvada, CO 80002
Phone: 303-736-0100 Fax: 303-431-7171

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gardner, Matthew O	Carrier Tracking No(s):	COC No: 280-655298.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Matthew.Gardner@et.eurofinsus.com	State of Origin: Oregon	Page: Page 1 of 1
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): NELAP - Oregon		Job #: 280-176200-1
Address: 5755 8th Street East,	Due Date Requested: 5/30/2023			
City: Tacoma	TAT Requested (days):			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #:			
Email:	WO #:			
Project Name: Croman Mill Site, Ashland, Oregon	Project #: 28023587			
Site:	SSOW#:			

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify), Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	NWTPH_Dx/3510C_LVI_14d Northwest - DRO/RRO	NWTPH_Gx_MS/5030B Northwest - GRO	NWTPH_Dx/3546 Northwest - DRO/RRO	NWTPH_Gx_MS/5035FM_MoistCor Northwest - GRO	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
DU05-SU05-230505-Pond01 (280-176200-1)	5/5/23	10:00 Pacific		Water			X	X			5	
DU05-SU05-230505-Pond02 (280-176200-2)	5/5/23	10:05 Pacific		Water			X	X			5	
DU05-SU06-230505-COMP01 (280-176200-3)	5/5/23	10:20 Pacific		Solid					X	X	3	SGC REQUIRED
DU05-SU06-230505-COMP02 (280-176200-4)	5/5/23	10:25 Pacific		Solid					X	X	3	SGC REQUIRED
B03-19GW (280-176200-5)	5/3/23	14:00 Pacific		Water			X	X			5	
B02-15GW (280-176200-6)	5/3/23	15:00 Pacific		Water			X	X			5	
B03-17 (280-176200-7)	5/3/23	13:15 Pacific		Solid					X	X	3	SGC REQUIRED
B02-8 (280-176200-8)	5/3/23	13:30 Pacific		Solid					X	X	4	SGC REQUIRED

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months
Deliverable Requested: I, II, III, IV, Other (specify) — Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	[signature]	5/9/23 1542	ETATEN	[signature]	5/10/23 0930	[illegible]
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: IR 10 36/39

Eurofins Denver
4955 Yarrow Street
Arvada, CO 80002
Phone: 303-736-0100 Fax: 303-431-7171

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gardner, Matthew O	Carrier Tracking No(s):	COC No: 280-656228.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Matthew.Gardner@et.eurofinsus.com	State of Origin: Oregon	Page: Page 1 of 2
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): NELAP - Oregon		Job #: 280-176200-1
Address: 5755 8th Street East, ,	Due Date Requested: 5/30/2023			
City: Tacoma	TAT Requested (days):			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #:			
Email:	WO #:			
Project Name: Croman Mill Site, Ashland, Oregon	Project #: 28023587			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify), Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	NWTPH_Dx/ISM_AC Northwest - DRO/RRO	Total Number of Containers	Special Instructions/Note:
			Preservation Code:						
DU07-230502-Native (280-176200-10)	5/2/23	18:30 Pacific		Solid			X	1	ISM Lab Prep, No Grinding
DU07-230502-Fill (280-176200-11)	5/2/23	18:45 Pacific		Solid			X	1	ISM Lab Prep, No Grinding
DU04-SU01-230504-0.5 (280-176200-13)	5/4/23	14:45 Pacific		Solid			X	1	ISM Lab Prep, No Grinding
DU06-SU03-230504-0.5 (280-176200-14)	5/4/23	15:30 Pacific		Solid			X	1	ISM Lab Prep, No Grinding
DU01-230504-0.5 (280-176200-15)	5/4/23	16:15 Pacific		Solid			X	1	ISM Lab Prep, No Grinding
DU01-230504-0.5-Rep1 (280-176200-16)	5/4/23	16:25 Pacific		Solid			X	1	ISM Lab Prep, No Grinding
DU01-230504-0.5-Rep2 (280-176200-17)	5/4/23	16:35 Pacific		Solid			X	1	ISM Lab Prep, No Grinding
DU02-230504-0.5 (280-176200-18)	5/4/23	17:00 Pacific		Solid			X	1	ISM Lab Prep, No Grinding
DU06-SU04-230505-0.5 (280-176200-20)	5/5/23	10:45 Pacific		Solid			X	1	ISM Lab Prep, No Grinding

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	5/16/23 1600	ETADEN		5/16/23 0910	GH S
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: A3 1.7/1.7

Eurofins Denver
4955 Yarrow Street
Arvada, CO 80002
Phone: 303-736-0100 Fax: 303-431-7171

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gardner, Matthew O	Carrier Tracking No(s):	COC No: 280-656228.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: Matthew.Gardner@et.eurofinsus.com	State of Origin: Oregon	Page: Page 2 of 2
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): NELAP - Oregon		Job #: 280-176200-1
Address: 5755 8th Street East,	Due Date Requested: 5/30/2023			
City: Tacoma	TAT Requested (days):			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #:			
Email:	WO #:			
Project Name: Croman Mill Site, Ashland, Oregon	Project #: 28023587			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	NWTPH_Dx/ISM_AC Northwest - DRO/RRO	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
DU03-230505-0.5-Rep1 (280-176200-22)	5/5/23	11:20 Pacific		Solid			X	1	ISM Lab Prep, No Grinding
DU03-230505-0.5-Rep2 (280-176200-23)	5/5/23	11:25 Pacific		Solid			X	1	ISM Lab Prep, No Grinding
DU03-230505-0.5 (280-176200-21)	5/5/23	11:15 Pacific		Solid			X	1	ISM Lab Prep, No Grinding

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	5/16/23 1600	ETADEN	[signature]	5/16/23 0910	[illegible]
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 280-176200-1

Login Number: 176200
List Number: 1
Creator: Roehsner, Karen P

List Source: Eurofins Denver

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
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)	False	Refer to Job Narrative for details.
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").	False	Narrative to indicate if headspace container used for analysis.
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 280-176200-1

Login Number: 176200
List Number: 3
Creator: Prigge, Madison

List Source: Eurofins Seattle
List Creation: 05/10/23 01:58 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
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	IR10 3.6/3.9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 280-176200-1

Login Number: 176200
List Number: 6
Creator: Presley, Kim A

List Source: Eurofins Seattle
List Creation: 05/18/23 09:55 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
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	A3=1.7c
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?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing TestAmerica

Sacramento
Sample Receiving Notes

280-176200 Field Sheet

Tracking # : 6105000145874

Job: _____

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: 006 Corr. Factor: (+ / -) — °C

Ice 1 Wet 1 Gel _____ Other _____

Cooler Custody Seal: Seal

Cooler ID: _____

Temp Observed: 1.8 °C Corrected: 1.0 °C

From: Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: [illegible] Date: 5/10/23

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Containers are not broken or leaking?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Is the Field Sampler's name on COC?	☐	☐	☑
Samples require splitting/compositing?	☐	☐	☑
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

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

Initials: [illegible] Date: 5/10/23

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials: [illegible] Date: 5/10/23

eurofins | Environment Testing TestAmerica

Sacramento Sample Receiving Notes

280-176200 Field Sheet

Tracking # : 6425-0004-7196

Job: _____

SO / (PO) / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: L-3 Corr. Factor: (+ / -) 0 °C

Ice _____ Wet _____ Gel _____ Other NONE

Cooler Custody Seal: _____

Cooler ID: 2052

Temp Observed: 21.3 °C Corrected: 21.3 °C

From: Temp Blank ☐ Sample ☒

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☒	☐

Initials: JLr Date: 5/13/23

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
Containers are not broken or leaking?	☒	☐	☐
Sample custody seal?	☐	☒	☐
Sample containers have legible labels?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☐	☒
Is the Field Sampler's name on COC?	☐	☐	☒
Samples require splitting/compositing?	☐	☐	☒
Samples w/o discrepancies?	☒	☐	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

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

Initials: JLr Date: 5/13/23

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
Samples received within hold time?	☒	☐	☐
NCM Filed?	☐	☒	☐
Log Release checked in TALS?	☐	☐	☒

Initials: JLr Date: 5/13/23

ISM_A_DD_SI_SS Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 280-611993

Analyst: Bunzli, Eric K

Batch Open: 5/10/2023 2:50:00PM

Batch End: 5/12/2023 1:46:00PM

Batch Notes

First Start time	05/10/2023 14:50
First End time	05/12/2023 13:47
Date and Time laid out to Dry	05/10/2023 17:09
Date and Time When Sieved	05/11/2023 19:51
Laid out on Parchment or Foil	Parchment
Mesh Size of Seive	10
Analyst ID - Sieving	MLT
Analyst ID - Label Check	Reviewer: MLT
Balance ID	38602403, 24750399
Digestion Tube/Cup ID	NA
SOP Number	DV-OP-0013
Batch Comment	10g to Sacramento for 8290; tower: Nano

Comments

ISM_A_DD_SI_SS Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 280-611993

Analyst: Bunzli, Eric K

Batch Open: 5/10/2023 2:50:00PM

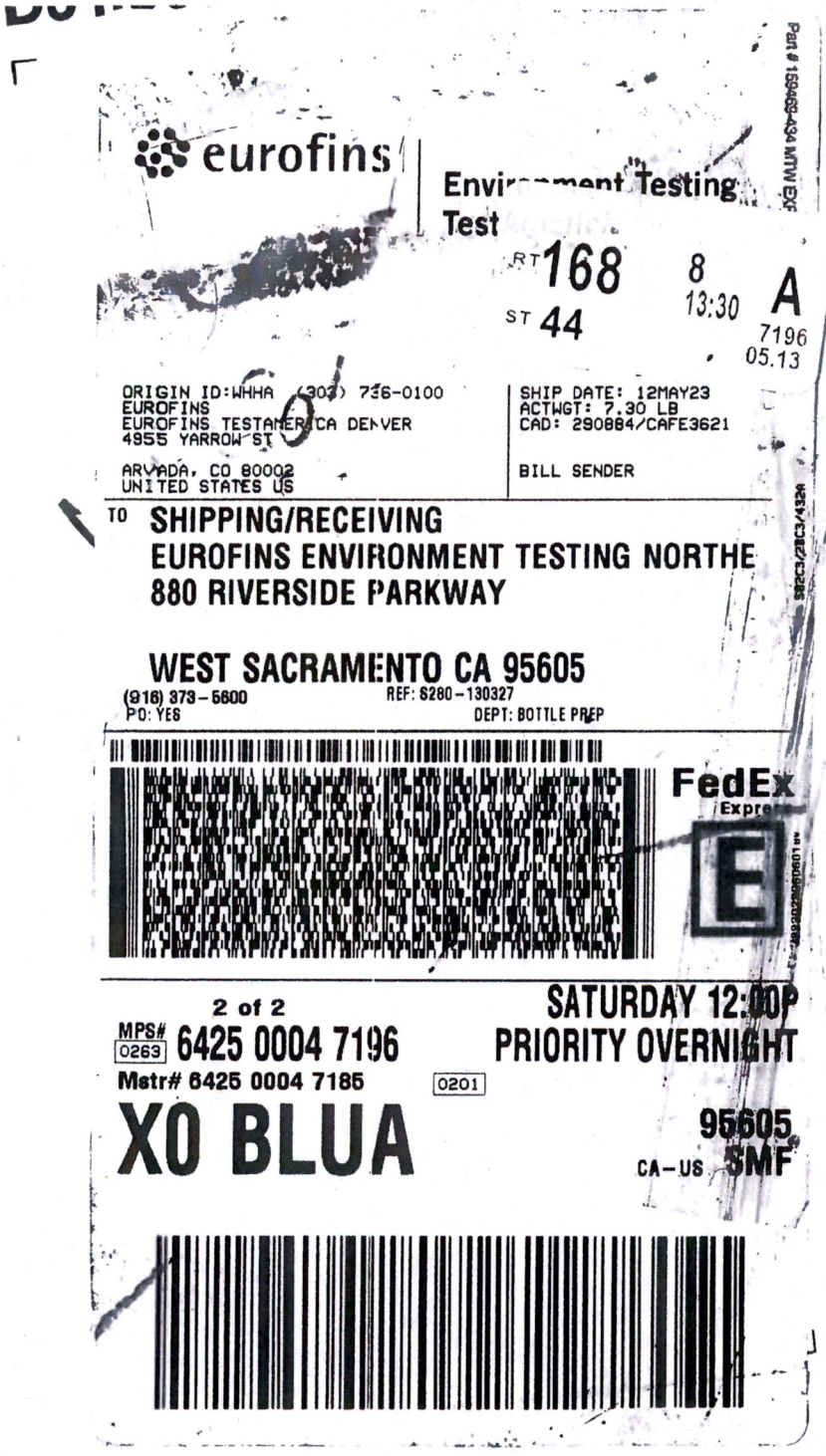
Batch End: 5/12/2023 1:46:00PM

Reagent Additions Worksheet

Lab ID	Reagent Code	Amount Added	Final Amount	By	Witness

Other Reagents:

Reagent	Amount/Units	Lot#:



eurofins | Environment Testing
Test

RT 168 8
ST 44 13:30 A
7196
05.13

ORIGIN ID:WHHA (303) 736-0100
EUROFINS
EUROFINS TESTAMERICA DENVER
4955 YARROW ST

ARVADA, CO 80002
UNITED STATES US

SHIP DATE: 12MAY23
ACTWGT: 7.30 LB
CAD: 290884/CAFE3621

BILL SENDER

TO SHIPPING/RECEIVING
EUROFINS ENVIRONMENT TESTING NORTHE
880 RIVERSIDE PARKWAY

WEST SACRAMENTO CA 95605
(916) 373-5600 REF: 8280-130327
PO: YES DEPT: BOTTLE PREP

FedEx Expre

2 of 2
MPS# 0263 6425 0004 7196
Mstr# 6425 0004 7185
0201

SATURDAY 12:00P
PRIORITY OVERNIGHT

XO BLUA

95605
CA-US SMF

eurofins | Environment Testing TestAmerica

Sacramento
Sample Receiving Notes

280-176200 Field Sheet

Job: _____

Tracking # : 6485000430S8

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: L-06 Corr. Factor: (+ / -) — °C

Ice 1 Wet 1 Gel _____ Other _____

Cooler Custody Seal: Seal

Cooler ID: _____

Temp Observed: 1.2 °C Corrected: 1.2 °C

From: Temp Blank ☐ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: [illegible] Date: 5.16.23

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Containers are not broken or leaking?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Is the Field Sampler's name on COC?	☐	☐	☑
Samples require splitting/compositing?	☐	☐	☑
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

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

Initials: [illegible] Date: 5.16.23

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials: [illegible] Date: 5.16.23

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Barbara Lary
SCS Engineers
15940 SW 72nd Avenue
Portland, Oregon 97224

Generated 6/7/2023 3:16:30 PM

JOB DESCRIPTION

Croman Mill Site, Ashland, Oregon

JOB NUMBER

280-176200-2

Eurofins Denver
4955 Yarrow Street
Arvada CO 80002

See page two for job notes and contact information.

my EOL

Job Notes

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

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Authorization

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Qualifiers

Dioxin

Qualifier	Qualifier Description
*5-	Isotope dilution analyte is outside acceptance limits, low biased.
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.
B	Compound was found in the blank and sample.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both.
G	The reported quantitation limit has been raised due to an exhibited elevated noise or matrix interference
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
q	The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion ratio. The measured ion ratio does not meet qualitative identification criteria and indicates a possible interference.

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

Job ID: 280-176200-2

Laboratory: Eurofins Denver

Narrative

Job Narrative
280-176200-2

Comments
No additional comments.

Receipt
The samples were received on 5/9/2023 9:15 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.8° C and 1.4° C.

Dioxin
The Isotope Dilution Analyte (IDA) recovery associated with the following sample is below the method recommended limit: (280-175901-B-1-B MS). Generally, data quality is not considered affected if the IDA signal-to-noise ratio is greater than 10:1, which is achieved for all IDA in the sample.

The following samples exhibited elevated noise or matrix interferences for one or more analytes causing elevation of the detection limit (EDL): DU01-230504-0.5 (280-176200-15), DU01-230504-0.5-Rep1 (280-176200-16), DU01-230504-0.5-Rep2 (280-176200-17), DU02-230504-0.5 (280-176200-18), DU03-230505-0.5 (280-176200-21), DU03-230505-0.5-Rep1 (280-176200-22), (280-176200-F-21-B MS) and (280-176200-F-21-C MSD) . The reporting limit (RL) for the affected analytes has been raised to be equal to the EDL, and a "G" qualifier applied.

The concentration of OCDD associated with the following sample exceeded the instrument calibration range: DU01-230504-0.5-Rep1 (280-176200-16). This analyte has been qualified; however, the peak did not saturate the instrument detector. Historical data indicate that for the isotope dilution method, dilution and re-analysis will not produce significantly different results from those reported above the calibration range.

Ion abundance ratios are outside criteria for the Isotope Dilution Analyte (IDA) associated with the following sample: DU02-230504-0.5 (280-176200-18). The theoretical area for the IDA was used to quantitate recovery and target concentration.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 320-675691 and analytical batch 320-680038 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Ion abundance ratios are outside criteria for the Isotope Dilution Analyte (IDA) associated with the following sample: DU03-230505-0.5-Rep2 (280-176200-23). The theoretical area for the IDA was used to quantitate recovery and target concentration.

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

Geotechnical
Methods Increment, prep: In analytical batch 280-611993, the following samples were air dried and sieved per the procedure; however, the samples contained material that would not pass through the sieve: DU01-230504-0.5 (280-176200-15), DU01-230504-0.5-Rep1 (280-176200-16), DU01-230504-0.5-Rep2 (280-176200-17), DU02-230504-0.5 (280-176200-18), DU03-230505-0.5 (280-176200-21), DU03-230505-0.5-Rep1 (280-176200-22), DU03-230505-0.5-Rep2 (280-176200-23), (280-176200-A-21 MS) and (280-176200-A-21 MSD). This material was removed, was not extracted, and is described in the aliquot spreadsheet. For methods ISM_A_DD_SI_SS/8290.

Methods Increment, prep: In analytical batch 280-611993 samples DU01-230504-0.5 (280-176200-15), DU01-230504-0.5-Rep1 (280-176200-16), DU01-230504-0.5-Rep2 (280-176200-17), DU02-230504-0.5 (280-176200-18), DU03-230505-0.5 (280-176200-21), DU03-230505-0.5-Rep1 (280-176200-22), DU03-230505-0.5-Rep2 (280-176200-23), (280-176200-A-21 MS) and (280-176200-A-21 MSD) for methods ISM_A_DD_SI_SS/8290.

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

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

Detection Summary

Client: SCS Engineers
Project/Site: Croman Mill Site, Ashland, Oregon

Job ID: 280-176200-2

Client Sample ID: DU05-SU06-230505-COMP01 — Lab Sample ID: 280-176200-3

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3,7,8-PeCDD	1.2	J q	5.5	0.21	pg/g	1	☼	8290A	Total/NA
2,3,4,7,8-PeCDF	4.8	J	5.5	1.9	pg/g	1	☼	8290A	Total/NA
1,2,3,4,7,8-HxCDD	1.3	J B	5.5	0.19	pg/g	1	☼	8290A	Total/NA
1,2,3,6,7,8-HxCDD	4.5	J B	5.5	0.20	pg/g	1	☼	8290A	Total/NA
1,2,3,7,8,9-HxCDD	3.1	J B	5.5	0.17	pg/g	1	☼	8290A	Total/NA
1,2,3,4,7,8-HxCDF	5.2	J	5.5	0.87	pg/g	1	☼	8290A	Total/NA
1,2,3,6,7,8-HxCDF	8.6		5.5	0.77	pg/g	1	☼	8290A	Total/NA
2,3,4,6,7,8-HxCDF	6.7	B	5.5	0.69	pg/g	1	☼	8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	42	B	5.5	0.25	pg/g	1	☼	8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	17	B	5.5	0.38	pg/g	1	☼	8290A	Total/NA
1,2,3,4,7,8,9-HpCDF	1.9	J B	5.5	0.40	pg/g	1	☼	8290A	Total/NA
OCDD	220	B	11	0.36	pg/g	1	☼	8290A	Total/NA
OCDF	16	B	11	0.11	pg/g	1	☼	8290A	Total/NA
Total TCDF	49	q G	1.3	1.3	pg/g	1	☼	8290A	Total/NA
Total PeCDD	4.7	J q	5.5	0.21	pg/g	1	☼	8290A	Total/NA
Total PeCDF	89		5.5	1.8	pg/g	1	☼	8290A	Total/NA
Total HxCDD	38	B q	5.5	0.19	pg/g	1	☼	8290A	Total/NA
Total HxCDF	140	B q	5.5	0.79	pg/g	1	☼	8290A	Total/NA
Total HpCDD	84	B	5.5	0.25	pg/g	1	☼	8290A	Total/NA
Total HpCDF	43	B	5.5	0.39	pg/g	1	☼	8290A	Total/NA

Client Sample ID: DU05-SU06-230505-COMP02 — Lab Sample ID: 280-176200-4

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3,7,8-PeCDD	1.5	J	5.8	0.19	pg/g	1	☼	8290A	Total/NA
2,3,4,7,8-PeCDF	3.5	J q	5.8	1.7	pg/g	1	☼	8290A	Total/NA
1,2,3,4,7,8-HxCDD	1.1	J B q	5.8	0.25	pg/g	1	☼	8290A	Total/NA
1,2,3,6,7,8-HxCDD	5.1	J B	5.8	0.25	pg/g	1	☼	8290A	Total/NA
1,2,3,7,8,9-HxCDD	3.3	J B	5.8	0.22	pg/g	1	☼	8290A	Total/NA
1,2,3,4,7,8-HxCDF	5.2	J	5.8	0.76	pg/g	1	☼	8290A	Total/NA
1,2,3,6,7,8-HxCDF	7.9		5.8	0.67	pg/g	1	☼	8290A	Total/NA
2,3,4,6,7,8-HxCDF	7.1	B	5.8	0.60	pg/g	1	☼	8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	46	B	5.8	0.27	pg/g	1	☼	8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	18	B	5.8	0.34	pg/g	1	☼	8290A	Total/NA
1,2,3,4,7,8,9-HpCDF	1.6	J B	5.8	0.34	pg/g	1	☼	8290A	Total/NA
OCDD	260	B	12	0.49	pg/g	1	☼	8290A	Total/NA
OCDF	17	B	12	0.13	pg/g	1	☼	8290A	Total/NA
Total TCDF	47	q	1.2	0.55	pg/g	1	☼	8290A	Total/NA
Total PeCDD	10	q	5.8	0.19	pg/g	1	☼	8290A	Total/NA
Total PeCDF	83	q	5.8	1.6	pg/g	1	☼	8290A	Total/NA
Total HxCDD	41	B q	5.8	0.24	pg/g	1	☼	8290A	Total/NA
Total HxCDF	150	B	5.8	0.68	pg/g	1	☼	8290A	Total/NA
Total HpCDD	91	B	5.8	0.27	pg/g	1	☼	8290A	Total/NA
Total HpCDF	47	B	5.8	0.34	pg/g	1	☼	8290A	Total/NA

Client Sample ID: DU01-230504-0.5 — Lab Sample ID: 280-176200-15

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
2,3,7,8-TCDD	0.94	J q	0.99	0.071	pg/g	1		8290A	Total/NA
Total TCDD	4.7	q	0.99	0.071	pg/g	1		8290A	Total/NA
1,2,3,7,8-PeCDD	4.2	J	4.9	0.20	pg/g	1		8290A	Total/NA
Total PeCDD	14	q	4.9	0.20	pg/g	1		8290A	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: DU01-230504-0.5 (Continued)

Lab Sample ID: 280-176200-15

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3,4,7,8-HxCDD	6.9	B	4.9	1.4	pg/g	1		8290A	Total/NA
1,2,3,6,7,8-HxCDD	66		4.9	1.3	pg/g	1		8290A	Total/NA
1,2,3,7,8,9-HxCDD	16		4.9	1.3	pg/g	1		8290A	Total/NA
Total HxCDD	280	B	4.9	1.3	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	400	B G	6.9	6.9	pg/g	1		8290A	Total/NA
Total HpCDD	740	B G	6.9	6.9	pg/g	1		8290A	Total/NA
OCDD	3100	B	9.9	4.6	pg/g	1		8290A	Total/NA
Total TCDF	8.0	q	0.99	0.070	pg/g	1		8290A	Total/NA
1,2,3,7,8-PeCDF	1.6	J B	4.9	0.19	pg/g	1		8290A	Total/NA
2,3,4,7,8-PeCDF	3.0	J B	4.9	0.22	pg/g	1		8290A	Total/NA
Total PeCDF	29	B q	4.9	0.20	pg/g	1		8290A	Total/NA
1,2,3,4,7,8-HxCDF	4.3	J B	4.9	0.72	pg/g	1		8290A	Total/NA
1,2,3,6,7,8-HxCDF	4.0	J B	4.9	0.66	pg/g	1		8290A	Total/NA
2,3,4,6,7,8-HxCDF	5.0	B	4.9	0.59	pg/g	1		8290A	Total/NA
Total HxCDF	210	B	4.9	0.65	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	180	B	4.9	1.9	pg/g	1		8290A	Total/NA
1,2,3,4,7,8,9-HpCDF	3.9	J B	4.9	1.9	pg/g	1		8290A	Total/NA
Total HpCDF	470	B	4.9	1.9	pg/g	1		8290A	Total/NA
OCDF	150	B	9.9	0.18	pg/g	1		8290A	Total/NA
2,3,7,8-TCDF - RA	2.7		0.99	0.099	pg/g	1		8290A	Total/NA
Incremented sample generated	True				NONE	1		Increment, prep	Total/NA

Client Sample ID: DU01-230504-0.5-Rep1

Lab Sample ID: 280-176200-16

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
2,3,7,8-TCDD	2.2		0.98	0.079	pg/g	1		8290A	Total/NA
Total TCDD	8.1	q	0.98	0.079	pg/g	1		8290A	Total/NA
1,2,3,7,8-PeCDD	8.5		4.9	0.15	pg/g	1		8290A	Total/NA
Total PeCDD	23	q	4.9	0.15	pg/g	1		8290A	Total/NA
1,2,3,4,7,8-HxCDD	11	B	4.9	2.1	pg/g	1		8290A	Total/NA
1,2,3,6,7,8-HxCDD	89		4.9	1.9	pg/g	1		8290A	Total/NA
1,2,3,7,8,9-HxCDD	34		4.9	1.9	pg/g	1		8290A	Total/NA
Total HxCDD	400	B	4.9	2.0	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	730	G B	10	10	pg/g	1		8290A	Total/NA
Total HpCDD	1300	G B	10	10	pg/g	1		8290A	Total/NA
OCDD	9900	G E B	10	10	pg/g	1		8290A	Total/NA
Total TCDF	10	q	0.98	0.097	pg/g	1		8290A	Total/NA
1,2,3,7,8-PeCDF	2.1	J B	4.9	0.21	pg/g	1		8290A	Total/NA
2,3,4,7,8-PeCDF	3.4	J B	4.9	0.25	pg/g	1		8290A	Total/NA
Total PeCDF	36	B	4.9	0.23	pg/g	1		8290A	Total/NA
1,2,3,4,7,8-HxCDF	5.4	B	4.9	1.1	pg/g	1		8290A	Total/NA
1,2,3,6,7,8-HxCDF	4.8	J B	4.9	0.99	pg/g	1		8290A	Total/NA
2,3,4,6,7,8-HxCDF	6.2	B	4.9	0.82	pg/g	1		8290A	Total/NA
Total HxCDF	260	B	4.9	0.93	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	220	B	4.9	2.5	pg/g	1		8290A	Total/NA
1,2,3,4,7,8,9-HpCDF	5.2	B	4.9	2.3	pg/g	1		8290A	Total/NA
Total HpCDF	600	B	4.9	2.4	pg/g	1		8290A	Total/NA
OCDF	210	B	9.8	0.20	pg/g	1		8290A	Total/NA
2,3,7,8-TCDF - RA	3.6		0.98	0.087	pg/g	1		8290A	Total/NA
Incremented sample generated	True				NONE	1		Increment, prep	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: SCS Engineers
Project/Site: Croman Mill Site, Ashland, Oregon

Job ID: 280-176200-2

Client Sample ID: DU01-230504-0.5-Rep2

Lab Sample ID: 280-176200-17

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
2,3,7,8-TCDD	0.82	J q	0.97	0.096	pg/g	1		8290A	Total/NA
Total TCDD	4.1	q	0.97	0.096	pg/g	1		8290A	Total/NA
1,2,3,7,8-PeCDD	3.3	J q	4.8	0.16	pg/g	1		8290A	Total/NA
Total PeCDD	12	q	4.8	0.16	pg/g	1		8290A	Total/NA
1,2,3,4,7,8-HxCDD	6.0	B	4.8	1.1	pg/g	1		8290A	Total/NA
1,2,3,6,7,8-HxCDD	59		4.8	1.0	pg/g	1		8290A	Total/NA
1,2,3,7,8,9-HxCDD	14		4.8	1.0	pg/g	1		8290A	Total/NA
Total HxCDD	250	B	4.8	1.1	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	370	G B	5.9	5.9	pg/g	1		8290A	Total/NA
Total HpCDD	680	G B	5.9	5.9	pg/g	1		8290A	Total/NA
OCDD	2500	B	9.7	3.2	pg/g	1		8290A	Total/NA
Total TCDF	8.8	q	0.97	0.090	pg/g	1		8290A	Total/NA
1,2,3,7,8-PeCDF	1.3	J B	4.8	0.16	pg/g	1		8290A	Total/NA
2,3,4,7,8-PeCDF	2.5	J B	4.8	0.19	pg/g	1		8290A	Total/NA
Total PeCDF	28	q B	4.8	0.17	pg/g	1		8290A	Total/NA
1,2,3,4,7,8-HxCDF	3.6	J B	4.8	0.82	pg/g	1		8290A	Total/NA
1,2,3,6,7,8-HxCDF	3.5	J B	4.8	0.75	pg/g	1		8290A	Total/NA
2,3,4,6,7,8-HxCDF	4.4	J B	4.8	0.67	pg/g	1		8290A	Total/NA
Total HxCDF	190	q B	4.8	0.73	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	170	B	4.8	1.8	pg/g	1		8290A	Total/NA
1,2,3,4,7,8,9-HpCDF	3.4	J B	4.8	1.7	pg/g	1		8290A	Total/NA
Total HpCDF	430	B	4.8	1.8	pg/g	1		8290A	Total/NA
OCDF	140	B	9.7	0.21	pg/g	1		8290A	Total/NA
2,3,7,8-TCDF - RA	2.5		0.97	0.10	pg/g	1		8290A	Total/NA
Incremented sample generated	True				NONE	1		Increment, prep	Total/NA

Client Sample ID: DU02-230504-0.5

Lab Sample ID: 280-176200-18

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
2,3,7,8-TCDD	14		0.98	0.086	pg/g	1		8290A	Total/NA
Total TCDD	120		0.98	0.086	pg/g	1		8290A	Total/NA
1,2,3,7,8-PeCDD	46	q	4.9	0.58	pg/g	1		8290A	Total/NA
Total PeCDD	290	q	4.9	0.58	pg/g	1		8290A	Total/NA
1,2,3,4,7,8-HxCDD	15	B G	10	10	pg/g	1		8290A	Total/NA
1,2,3,6,7,8-HxCDD	440	G	9.6	9.6	pg/g	1		8290A	Total/NA
1,2,3,7,8,9-HxCDD	180	G	9.3	9.3	pg/g	1		8290A	Total/NA
Total HxCDD	2400	B G	9.7	9.7	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	930	B G	10	10	pg/g	1		8290A	Total/NA
Total HpCDD	1400	B G	10	10	pg/g	1		8290A	Total/NA
OCDD	980	B	9.8	1.2	pg/g	1		8290A	Total/NA
Total TCDF	14	q	0.98	0.10	pg/g	1		8290A	Total/NA
1,2,3,7,8-PeCDF	1.8	J B	4.9	0.22	pg/g	1		8290A	Total/NA
2,3,4,7,8-PeCDF	2.8	J B	4.9	0.25	pg/g	1		8290A	Total/NA
Total PeCDF	42	B	4.9	0.23	pg/g	1		8290A	Total/NA
1,2,3,4,7,8-HxCDF	8.7	B	4.9	2.6	pg/g	1		8290A	Total/NA
1,2,3,6,7,8-HxCDF	11	B	4.9	2.4	pg/g	1		8290A	Total/NA
2,3,4,6,7,8-HxCDF	9.7	B	4.9	2.1	pg/g	1		8290A	Total/NA
Total HxCDF	760	B	4.9	2.4	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	850	B G	7.2	7.2	pg/g	1		8290A	Total/NA
1,2,3,4,7,8,9-HpCDF	14	B G	7.6	7.6	pg/g	1		8290A	Total/NA
Total HpCDF	2300	B G	7.4	7.4	pg/g	1		8290A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Denver

Detection Summary

Client: SCS Engineers
Project/Site: Croman Mill Site, Ashland, Oregon

Job ID: 280-176200-2

Client Sample ID: DU02-230504-0.5 (Continued)

Lab Sample ID: 280-176200-18

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
OCDF	770	B	9.8	0.88	pg/g	1		8290A	Total/NA
2,3,7,8-TCDF - RA	2.7		0.98	0.11	pg/g	1		8290A	Total/NA
Incremented sample generated	True				NONE	1		Increment, prep	Total/NA

Client Sample ID: DU03-230505-0.5

Lab Sample ID: 280-176200-21

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
2,3,7,8-TCDD	10		0.97	0.34	pg/g	1		8290A	Total/NA
Total TCDD	86		0.97	0.34	pg/g	1		8290A	Total/NA
1,2,3,7,8-PeCDD	42		4.9	0.66	pg/g	1		8290A	Total/NA
Total PeCDD	220	q	4.9	0.66	pg/g	1		8290A	Total/NA
1,2,3,4,7,8-HxCDD	13	B G	7.6	7.6	pg/g	1		8290A	Total/NA
1,2,3,6,7,8-HxCDD	350	F1 G	7.6	7.6	pg/g	1		8290A	Total/NA
1,2,3,7,8,9-HxCDD	160	F1 G	7.2	7.2	pg/g	1		8290A	Total/NA
Total HxCDD	1900	B G	7.5	7.5	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	720	B G	9.0	9.0	pg/g	1		8290A	Total/NA
Total HpCDD	1100	B G	9.0	9.0	pg/g	1		8290A	Total/NA
OCDD	750	F1 B	9.7	1.4	pg/g	1		8290A	Total/NA
Total TCDF	9.9	q	0.97	0.18	pg/g	1		8290A	Total/NA
1,2,3,7,8-PeCDF	1.1	J B q	4.9	0.36	pg/g	1		8290A	Total/NA
2,3,4,7,8-PeCDF	2.2	J B	4.9	0.41	pg/g	1		8290A	Total/NA
Total PeCDF	29	B q	4.9	0.39	pg/g	1		8290A	Total/NA
1,2,3,4,7,8-HxCDF	6.8	B	4.9	2.0	pg/g	1		8290A	Total/NA
1,2,3,6,7,8-HxCDF	9.2	B	4.9	2.0	pg/g	1		8290A	Total/NA
2,3,4,6,7,8-HxCDF	8.1	B	4.9	1.7	pg/g	1		8290A	Total/NA
Total HxCDF	560	B	4.9	1.9	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	670	B G	6.5	6.5	pg/g	1		8290A	Total/NA
1,2,3,4,7,8,9-HpCDF	12	B G	6.6	6.6	pg/g	1		8290A	Total/NA
Total HpCDF	1800	B G	6.6	6.6	pg/g	1		8290A	Total/NA
OCDF	610	F1 B	9.7	0.77	pg/g	1		8290A	Total/NA
2,3,7,8-TCDF - RA	1.9		0.97	0.11	pg/g	1		8290A	Total/NA
Incremented sample generated	True				NONE	1		Increment, prep	Total/NA

Client Sample ID: DU03-230505-0.5-Rep1

Lab Sample ID: 280-176200-22

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
2,3,7,8-TCDD	14		0.98	0.14	pg/g	1		8290A	Total/NA
Total TCDD	110	q	0.98	0.14	pg/g	1		8290A	Total/NA
1,2,3,7,8-PeCDD	46	q	4.9	0.51	pg/g	1		8290A	Total/NA
Total PeCDD	260	q	4.9	0.51	pg/g	1		8290A	Total/NA
1,2,3,4,7,8-HxCDD	15	B G	9.3	9.3	pg/g	1		8290A	Total/NA
1,2,3,6,7,8-HxCDD	460	G	8.6	8.6	pg/g	1		8290A	Total/NA
1,2,3,7,8,9-HxCDD	210	G	8.5	8.5	pg/g	1		8290A	Total/NA
Total HxCDD	2500	B G	8.8	8.8	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	990	B G	11	11	pg/g	1		8290A	Total/NA
Total HpCDD	1500	B G	11	11	pg/g	1		8290A	Total/NA
OCDD	960	B	9.8	1.2	pg/g	1		8290A	Total/NA
Total TCDF	11	q	0.98	0.11	pg/g	1		8290A	Total/NA
1,2,3,7,8-PeCDF	1.9	J B	4.9	0.24	pg/g	1		8290A	Total/NA
2,3,4,7,8-PeCDF	2.8	J B	4.9	0.28	pg/g	1		8290A	Total/NA
Total PeCDF	36	B q	4.9	0.26	pg/g	1		8290A	Total/NA
1,2,3,4,7,8-HxCDF	8.8	B	4.9	2.3	pg/g	1		8290A	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: DU03-230505-0.5-Rep1 (Continued)

Lab Sample ID: 280-176200-22

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3,6,7,8-HxCDF	12	B	4.9	2.1	pg/g	1		8290A	Total/NA
2,3,4,6,7,8-HxCDF	10	B	4.9	1.7	pg/g	1		8290A	Total/NA
Total HxCDF	700	B	4.9	2.0	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	900	B G	7.7	7.7	pg/g	1		8290A	Total/NA
1,2,3,4,7,8,9-HpCDF	15	B G	7.7	7.7	pg/g	1		8290A	Total/NA
Total HpCDF	2500	B G	7.7	7.7	pg/g	1		8290A	Total/NA
OCDF	830	B	9.8	0.86	pg/g	1		8290A	Total/NA
2,3,7,8-TCDF - RA	2.6		0.98	0.19	pg/g	1		8290A	Total/NA
Incremented sample generated	True				NONE	1		Increment, prep	Total/NA

Client Sample ID: DU03-230505-0.5-Rep2

Lab Sample ID: 280-176200-23

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
2,3,7,8-TCDD	2.1	q	0.94	0.072	pg/g	1		8290A	Total/NA
Total TCDD	19	q	0.94	0.072	pg/g	1		8290A	Total/NA
1,2,3,7,8-PeCDD	7.5	q	4.7	0.15	pg/g	1		8290A	Total/NA
Total PeCDD	46	q	4.7	0.15	pg/g	1		8290A	Total/NA
1,2,3,4,7,8-HxCDD	2.5	J B	4.7	1.7	pg/g	1		8290A	Total/NA
1,2,3,6,7,8-HxCDD	74		4.7	1.6	pg/g	1		8290A	Total/NA
1,2,3,7,8,9-HxCDD	33		4.7	1.6	pg/g	1		8290A	Total/NA
Total HxCDD	400	B	4.7	1.6	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	170	B	4.7	2.0	pg/g	1		8290A	Total/NA
Total HpCDD	260	B	4.7	2.0	pg/g	1		8290A	Total/NA
OCDD	250	B	9.4	0.37	pg/g	1		8290A	Total/NA
Total TCDF	3.8	q	0.94	0.069	pg/g	1		8290A	Total/NA
1,2,3,7,8-PeCDF	0.32	J B q	4.7	0.10	pg/g	1		8290A	Total/NA
2,3,4,7,8-PeCDF	0.69	J B q	4.7	0.12	pg/g	1		8290A	Total/NA
Total PeCDF	11	B q	4.7	0.11	pg/g	1		8290A	Total/NA
1,2,3,4,7,8-HxCDF	1.9	J B	4.7	0.40	pg/g	1		8290A	Total/NA
1,2,3,6,7,8-HxCDF	2.2	J B	4.7	0.36	pg/g	1		8290A	Total/NA
2,3,4,6,7,8-HxCDF	1.9	J B q	4.7	0.31	pg/g	1		8290A	Total/NA
Total HxCDF	120	B q	4.7	0.36	pg/g	1		8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	140	B	4.7	1.3	pg/g	1		8290A	Total/NA
1,2,3,4,7,8,9-HpCDF	2.5	J B	4.7	1.3	pg/g	1		8290A	Total/NA
Total HpCDF	380	B	4.7	1.3	pg/g	1		8290A	Total/NA
OCDF	140	B	9.4	0.19	pg/g	1		8290A	Total/NA
Incremented sample generated	True				NONE	1		Increment, prep	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: SCS Engineers
Project/Site: Croman Mill Site, Ashland, Oregon

Job ID: 280-176200-2

Method	Method Description	Protocol	Laboratory
8290A	Dioxins and Furans (HRGC/HRMS)	SW846	EET SAC
Increment, prep	ISM - Dry, Disaggregate, Sieve, 2 D Slabcake Subsample	EPA	EET DEN
8290	Soxhlet Extraction of Dioxins and Furans	SW846	EET SAC

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

EET DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

Client: SCS Engineers
Project/Site: Croman Mill Site, Ashland, Oregon

Job ID: 280-176200-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-176200-3	DU05-SU06-230505-COMP01	Solid	05/05/23 10:20	05/09/23 09:15
280-176200-4	DU05-SU06-230505-COMP02	Solid	05/05/23 10:25	05/09/23 09:15
280-176200-15	DU01-230504-0.5	Solid	05/04/23 16:15	05/09/23 09:15
280-176200-16	DU01-230504-0.5-Rep1	Solid	05/04/23 16:25	05/09/23 09:15
280-176200-17	DU01-230504-0.5-Rep2	Solid	05/04/23 16:35	05/09/23 09:15
280-176200-18	DU02-230504-0.5	Solid	05/04/23 17:00	05/09/23 09:15
280-176200-21	DU03-230505-0.5	Solid	05/05/23 11:15	05/09/23 09:15
280-176200-22	DU03-230505-0.5-Rep1	Solid	05/05/23 11:20	05/09/23 09:15
280-176200-23	DU03-230505-0.5-Rep2	Solid	05/05/23 11:25	05/09/23 09:15

Method: SW846 8290A - Dioxins and Furans (HRGC/HRMS)

Client Sample ID: DU05-SU06-230505-COMP01
Date Collected: 05/05/23 10:20
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-3
Matrix: Solid
Percent Solids: 82.7

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		1.1	0.052	pg/g	☼	05/11/23 10:19	05/29/23 04:50	1
2,3,7,8-TCDF	ND	G	1.3	1.3	pg/g	☼	05/11/23 10:19	05/29/23 04:50	1
1,2,3,7,8-PeCDD	1.2	J q	5.5	0.21	pg/g	☼	05/11/23 10:19	05/29/23 04:50	1
1,2,3,7,8-PeCDF	ND		5.5	1.8	pg/g	☼	05/11/23 10:19	05/29/23 04:50	1
2,3,4,7,8-PeCDF	4.8	J	5.5	1.9	pg/g	☼	05/11/23 10:19	05/29/23 04:50	1
1,2,3,4,7,8-HxCDD	1.3	J B	5.5	0.19	pg/g	☼	05/11/23 10:19	05/29/23 04:50	1
1,2,3,6,7,8-HxCDD	4.5	J B	5.5	0.20	pg/g	☼	05/11/23 10:19	05/29/23 04:50	1
1,2,3,7,8,9-HxCDD	3.1	J B	5.5	0.17	pg/g	☼	05/11/23 10:19	05/29/23 04:50	1
1,2,3,4,7,8-HxCDF	5.2	J	5.5	0.87	pg/g	☼	05/11/23 10:19	05/29/23 04:50	1
1,2,3,6,7,8-HxCDF	8.6		5.5	0.77	pg/g	☼	05/11/23 10:19	05/29/23 04:50	1
1,2,3,7,8,9-HxCDF	ND		5.5	0.81	pg/g	☼	05/11/23 10:19	05/29/23 04:50	1
2,3,4,6,7,8-HxCDF	6.7	B	5.5	0.69	pg/g	☼	05/11/23 10:19	05/29/23 04:50	1
1,2,3,4,6,7,8-HpCDD	42	B	5.5	0.25	pg/g	☼	05/11/23 10:19	05/29/23 04:50	1
1,2,3,4,6,7,8-HpCDF	17	B	5.5	0.38	pg/g	☼	05/11/23 10:19	05/29/23 04:50	1
1,2,3,4,7,8,9-HpCDF	1.9	J B	5.5	0.40	pg/g	☼	05/11/23 10:19	05/29/23 04:50	1
OCDD	220	B	11	0.36	pg/g	☼	05/11/23 10:19	05/29/23 04:50	1
OCDF	16	B	11	0.11	pg/g	☼	05/11/23 10:19	05/29/23 04:50	1
Total TCDD	ND		1.1	0.32	pg/g	☼	05/11/23 10:19	05/29/23 04:50	1
Total TCDF	49	q G	1.3	1.3	pg/g	☼	05/11/23 10:19	05/29/23 04:50	1
Total PeCDD	4.7	J q	5.5	0.21	pg/g	☼	05/11/23 10:19	05/29/23 04:50	1
Total PeCDF	89		5.5	1.8	pg/g	☼	05/11/23 10:19	05/29/23 04:50	1
Total HxCDD	38	B q	5.5	0.19	pg/g	☼	05/11/23 10:19	05/29/23 04:50	1
Total HxCDF	140	B q	5.5	0.79	pg/g	☼	05/11/23 10:19	05/29/23 04:50	1
Total HpCDD	84	B	5.5	0.25	pg/g	☼	05/11/23 10:19	05/29/23 04:50	1
Total HpCDF	43	B	5.5	0.39	pg/g	☼	05/11/23 10:19	05/29/23 04:50	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*60*		*40 - 135*	*05/11/23 10:19*	*05/29/23 04:50*	*1*
13C-2,3,7,8-TCDF	*50*		*40 - 135*	*05/11/23 10:19*	*05/29/23 04:50*	*1*
13C-1,2,3,7,8-PeCDD	*70*		*40 - 135*	*05/11/23 10:19*	*05/29/23 04:50*	*1*
13C-1,2,3,7,8-PeCDF	*57*		*40 - 135*	*05/11/23 10:19*	*05/29/23 04:50*	*1*
13C-1,2,3,6,7,8-HxCDD	*66*		*40 - 135*	*05/11/23 10:19*	*05/29/23 04:50*	*1*
13C-1,2,3,4,7,8-HxCDF	*53*		*40 - 135*	*05/11/23 10:19*	*05/29/23 04:50*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*70*		*40 - 135*	*05/11/23 10:19*	*05/29/23 04:50*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*58*		*40 - 135*	*05/11/23 10:19*	*05/29/23 04:50*	*1*
13C-OCDD	*67*		*40 - 135*	*05/11/23 10:19*	*05/29/23 04:50*	*1*
13C-OCDF	*57*		*40 - 135*	*05/11/23 10:19*	*05/29/23 04:50*	*1*
13C-1,2,3,7,8,9-HxCDF	*51*		*40 - 135*	*05/11/23 10:19*	*05/29/23 04:50*	*1*
13C-1,2,3,4,7,8-HxCDD	*63*		*40 - 135*	*05/11/23 10:19*	*05/29/23 04:50*	*1*
13C-1,2,3,6,7,8-HxCDF	*60*		*40 - 135*	*05/11/23 10:19*	*05/29/23 04:50*	*1*
13C-2,3,4,7,8-PeCDF	*57*		*40 - 135*	*05/11/23 10:19*	*05/29/23 04:50*	*1*
13C-2,3,4,6,7,8-HxCDF	*61*		*40 - 135*	*05/11/23 10:19*	*05/29/23 04:50*	*1*
13C-1,2,3,4,7,8,9-HpCDF	*60*		*40 - 135*	*05/11/23 10:19*	*05/29/23 04:50*	*1*

Client Sample ID: DU05-SU06-230505-COMP02
Date Collected: 05/05/23 10:25
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-4
Matrix: Solid
Percent Solids: 83.5

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		1.2	0.072	pg/g	☼	05/11/23 10:19	05/29/23 05:38	1
2,3,7,8-TCDF	ND		1.2	0.55	pg/g	☼	05/11/23 10:19	05/29/23 05:38	1

Method: SW846 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Client Sample ID: DU05-SU06-230505-COMP02
Date Collected: 05/05/23 10:25
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-4
Matrix: Solid
Percent Solids: 83.5

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3,7,8-PeCDD	1.5	J	5.8	0.19	pg/g	☼	05/11/23 10:19	05/29/23 05:38	1
1,2,3,7,8-PeCDF	ND		5.8	1.5	pg/g	☼	05/11/23 10:19	05/29/23 05:38	1
2,3,4,7,8-PeCDF	3.5	J q	5.8	1.7	pg/g	☼	05/11/23 10:19	05/29/23 05:38	1
1,2,3,4,7,8-HxCDD	1.1	J B q	5.8	0.25	pg/g	☼	05/11/23 10:19	05/29/23 05:38	1
1,2,3,6,7,8-HxCDD	5.1	J B	5.8	0.25	pg/g	☼	05/11/23 10:19	05/29/23 05:38	1
1,2,3,7,8,9-HxCDD	3.3	J B	5.8	0.22	pg/g	☼	05/11/23 10:19	05/29/23 05:38	1
1,2,3,4,7,8-HxCDF	5.2	J	5.8	0.76	pg/g	☼	05/11/23 10:19	05/29/23 05:38	1
1,2,3,6,7,8-HxCDF	7.9		5.8	0.67	pg/g	☼	05/11/23 10:19	05/29/23 05:38	1
1,2,3,7,8,9-HxCDF	ND		5.8	0.67	pg/g	☼	05/11/23 10:19	05/29/23 05:38	1
2,3,4,6,7,8-HxCDF	7.1	B	5.8	0.60	pg/g	☼	05/11/23 10:19	05/29/23 05:38	1
1,2,3,4,6,7,8-HpCDD	46	B	5.8	0.27	pg/g	☼	05/11/23 10:19	05/29/23 05:38	1
1,2,3,4,6,7,8-HpCDF	18	B	5.8	0.34	pg/g	☼	05/11/23 10:19	05/29/23 05:38	1
1,2,3,4,7,8,9-HpCDF	1.6	J B	5.8	0.34	pg/g	☼	05/11/23 10:19	05/29/23 05:38	1
OCDD	260	B	12	0.49	pg/g	☼	05/11/23 10:19	05/29/23 05:38	1
OCDF	17	B	12	0.13	pg/g	☼	05/11/23 10:19	05/29/23 05:38	1
Total TCDD	ND		1.2	0.55	pg/g	☼	05/11/23 10:19	05/29/23 05:38	1
Total TCDF	47	q	1.2	0.55	pg/g	☼	05/11/23 10:19	05/29/23 05:38	1
Total PeCDD	10	q	5.8	0.19	pg/g	☼	05/11/23 10:19	05/29/23 05:38	1
Total PeCDF	83	q	5.8	1.6	pg/g	☼	05/11/23 10:19	05/29/23 05:38	1
Total HxCDD	41	B q	5.8	0.24	pg/g	☼	05/11/23 10:19	05/29/23 05:38	1
Total HxCDF	150	B	5.8	0.68	pg/g	☼	05/11/23 10:19	05/29/23 05:38	1
Total HpCDD	91	B	5.8	0.27	pg/g	☼	05/11/23 10:19	05/29/23 05:38	1
Total HpCDF	47	B	5.8	0.34	pg/g	☼	05/11/23 10:19	05/29/23 05:38	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*56*		*40 - 135*	*05/11/23 10:19*	*05/29/23 05:38*	*1*
13C-2,3,7,8-TCDF	*48*		*40 - 135*	*05/11/23 10:19*	*05/29/23 05:38*	*1*
13C-1,2,3,7,8-PeCDD	*62*		*40 - 135*	*05/11/23 10:19*	*05/29/23 05:38*	*1*
13C-1,2,3,7,8-PeCDF	*56*		*40 - 135*	*05/11/23 10:19*	*05/29/23 05:38*	*1*
13C-1,2,3,6,7,8-HxCDD	*58*		*40 - 135*	*05/11/23 10:19*	*05/29/23 05:38*	*1*
13C-1,2,3,4,7,8-HxCDF	*48*		*40 - 135*	*05/11/23 10:19*	*05/29/23 05:38*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*66*		*40 - 135*	*05/11/23 10:19*	*05/29/23 05:38*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*52*		*40 - 135*	*05/11/23 10:19*	*05/29/23 05:38*	*1*
13C-OCDD	*63*		*40 - 135*	*05/11/23 10:19*	*05/29/23 05:38*	*1*
13C-OCDF	*54*		*40 - 135*	*05/11/23 10:19*	*05/29/23 05:38*	*1*
13C-1,2,3,7,8,9-HxCDF	*50*		*40 - 135*	*05/11/23 10:19*	*05/29/23 05:38*	*1*
13C-1,2,3,4,7,8-HxCDD	*56*		*40 - 135*	*05/11/23 10:19*	*05/29/23 05:38*	*1*
13C-1,2,3,6,7,8-HxCDF	*54*		*40 - 135*	*05/11/23 10:19*	*05/29/23 05:38*	*1*
13C-2,3,4,7,8-PeCDF	*52*		*40 - 135*	*05/11/23 10:19*	*05/29/23 05:38*	*1*
13C-2,3,4,6,7,8-HxCDF	*56*		*40 - 135*	*05/11/23 10:19*	*05/29/23 05:38*	*1*
13C-1,2,3,4,7,8,9-HpCDF	*58*		*40 - 135*	*05/11/23 10:19*	*05/29/23 05:38*	*1*

Client Sample ID: DU01-230504-0.5
Date Collected: 05/04/23 16:15
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-15
Matrix: Solid

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.94	J q	0.99	0.071	pg/g		05/18/23 08:09	06/04/23 22:34	1
Total TCDD	4.7	q	0.99	0.071	pg/g		05/18/23 08:09	06/04/23 22:34	1
1,2,3,7,8-PeCDD	4.2	J	4.9	0.20	pg/g		05/18/23 08:09	06/04/23 22:34	1
Total PeCDD	14	q	4.9	0.20	pg/g		05/18/23 08:09	06/04/23 22:34	1

Method: SW846 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Client Sample ID: DU01-230504-0.5
Date Collected: 05/04/23 16:15
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-15
Matrix: Solid

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3,4,7,8-HxCDD	6.9	B	4.9	1.4	pg/g		05/18/23 08:09	06/04/23 22:34	1
1,2,3,6,7,8-HxCDD	66		4.9	1.3	pg/g		05/18/23 08:09	06/04/23 22:34	1
1,2,3,7,8,9-HxCDD	16		4.9	1.3	pg/g		05/18/23 08:09	06/04/23 22:34	1
Total HxCDD	280	B	4.9	1.3	pg/g		05/18/23 08:09	06/04/23 22:34	1
1,2,3,4,6,7,8-HpCDD	400	B G	6.9	6.9	pg/g		05/18/23 08:09	06/04/23 22:34	1
Total HpCDD	740	B G	6.9	6.9	pg/g		05/18/23 08:09	06/04/23 22:34	1
OCDD	3100	B	9.9	4.6	pg/g		05/18/23 08:09	06/04/23 22:34	1
Total TCDF	8.0	q	0.99	0.070	pg/g		05/18/23 08:09	06/04/23 22:34	1
1,2,3,7,8-PeCDF	1.6	J B	4.9	0.19	pg/g		05/18/23 08:09	06/04/23 22:34	1
2,3,4,7,8-PeCDF	3.0	J B	4.9	0.22	pg/g		05/18/23 08:09	06/04/23 22:34	1
Total PeCDF	29	B q	4.9	0.20	pg/g		05/18/23 08:09	06/04/23 22:34	1
1,2,3,4,7,8-HxCDF	4.3	J B	4.9	0.72	pg/g		05/18/23 08:09	06/04/23 22:34	1
1,2,3,6,7,8-HxCDF	4.0	J B	4.9	0.66	pg/g		05/18/23 08:09	06/04/23 22:34	1
2,3,4,6,7,8-HxCDF	5.0	B	4.9	0.59	pg/g		05/18/23 08:09	06/04/23 22:34	1
1,2,3,7,8,9-HxCDF	ND		4.9	0.64	pg/g		05/18/23 08:09	06/04/23 22:34	1
Total HxCDF	210	B	4.9	0.65	pg/g		05/18/23 08:09	06/04/23 22:34	1
1,2,3,4,6,7,8-HpCDF	180	B	4.9	1.9	pg/g		05/18/23 08:09	06/04/23 22:34	1
1,2,3,4,7,8,9-HpCDF	3.9	J B	4.9	1.9	pg/g		05/18/23 08:09	06/04/23 22:34	1
Total HpCDF	470	B	4.9	1.9	pg/g		05/18/23 08:09	06/04/23 22:34	1
OCDF	150	B	9.9	0.18	pg/g		05/18/23 08:09	06/04/23 22:34	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*67*		*40 - 135*	*05/18/23 08:09*	*06/04/23 22:34*	*1*
13C-1,2,3,7,8-PeCDD	*65*		*40 - 135*	*05/18/23 08:09*	*06/04/23 22:34*	*1*
13C-1,2,3,6,7,8-HxCDD	*63*		*40 - 135*	*05/18/23 08:09*	*06/04/23 22:34*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*67*		*40 - 135*	*05/18/23 08:09*	*06/04/23 22:34*	*1*
13C-OCDD	*73*		*40 - 135*	*05/18/23 08:09*	*06/04/23 22:34*	*1*
13C-2,3,7,8-TCDF	*75*		*40 - 135*	*05/18/23 08:09*	*06/04/23 22:34*	*1*
13C-1,2,3,7,8-PeCDF	*72*		*40 - 135*	*05/18/23 08:09*	*06/04/23 22:34*	*1*
13C-1,2,3,4,7,8-HxCDF	*77*		*40 - 135*	*05/18/23 08:09*	*06/04/23 22:34*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*66*		*40 - 135*	*05/18/23 08:09*	*06/04/23 22:34*	*1*
13C-OCDF	*80*		*40 - 135*	*05/18/23 08:09*	*06/04/23 22:34*	*1*
13C-1,2,3,7,8,9-HxCDF	*82*		*40 - 135*	*05/18/23 08:09*	*06/04/23 22:34*	*1*
13C-1,2,3,4,7,8-HxCDD	*65*		*40 - 135*	*05/18/23 08:09*	*06/04/23 22:34*	*1*
13C-1,2,3,6,7,8-HxCDF	*78*		*40 - 135*	*05/18/23 08:09*	*06/04/23 22:34*	*1*
13C-2,3,4,7,8-PeCDF	*67*		*40 - 135*	*05/18/23 08:09*	*06/04/23 22:34*	*1*
13C-2,3,4,6,7,8-HxCDF	*85*		*40 - 135*	*05/18/23 08:09*	*06/04/23 22:34*	*1*
13C-1,2,3,4,7,8,9-HpCDF	*74*		*40 - 135*	*05/18/23 08:09*	*06/04/23 22:34*	*1*

Client Sample ID: DU01-230504-0.5-Rep1
Date Collected: 05/04/23 16:25
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-16
Matrix: Solid

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	2.2		0.98	0.079	pg/g		05/18/23 08:09	06/04/23 23:22	1
Total TCDD	8.1	q	0.98	0.079	pg/g		05/18/23 08:09	06/04/23 23:22	1
1,2,3,7,8-PeCDD	8.5		4.9	0.15	pg/g		05/18/23 08:09	06/04/23 23:22	1
Total PeCDD	23	q	4.9	0.15	pg/g		05/18/23 08:09	06/04/23 23:22	1
1,2,3,4,7,8-HxCDD	11	B	4.9	2.1	pg/g		05/18/23 08:09	06/04/23 23:22	1
1,2,3,6,7,8-HxCDD	89		4.9	1.9	pg/g		05/18/23 08:09	06/04/23 23:22	1
1,2,3,7,8,9-HxCDD	34		4.9	1.9	pg/g		05/18/23 08:09	06/04/23 23:22	1

Method: SW846 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Client Sample ID: DU01-230504-0.5-Rep1
Date Collected: 05/04/23 16:25
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-16
Matrix: Solid

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
Total HxCDD	400	B	4.9	2.0	pg/g		05/18/23 08:09	06/04/23 23:22	1
1,2,3,4,6,7,8-HpCDD	730	G B	10	10	pg/g		05/18/23 08:09	06/04/23 23:22	1
Total HpCDD	1300	G B	10	10	pg/g		05/18/23 08:09	06/04/23 23:22	1
OCDD	9900	G E B	10	10	pg/g		05/18/23 08:09	06/04/23 23:22	1
Total TCDF	10	q	0.98	0.097	pg/g		05/18/23 08:09	06/04/23 23:22	1
1,2,3,7,8-PeCDF	2.1	J B	4.9	0.21	pg/g		05/18/23 08:09	06/04/23 23:22	1
2,3,4,7,8-PeCDF	3.4	J B	4.9	0.25	pg/g		05/18/23 08:09	06/04/23 23:22	1
Total PeCDF	36	B	4.9	0.23	pg/g		05/18/23 08:09	06/04/23 23:22	1
1,2,3,4,7,8-HxCDF	5.4	B	4.9	1.1	pg/g		05/18/23 08:09	06/04/23 23:22	1
1,2,3,6,7,8-HxCDF	4.8	J B	4.9	0.99	pg/g		05/18/23 08:09	06/04/23 23:22	1
2,3,4,6,7,8-HxCDF	6.2	B	4.9	0.82	pg/g		05/18/23 08:09	06/04/23 23:22	1
1,2,3,7,8,9-HxCDF	ND		4.9	0.86	pg/g		05/18/23 08:09	06/04/23 23:22	1
Total HxCDF	260	B	4.9	0.93	pg/g		05/18/23 08:09	06/04/23 23:22	1
1,2,3,4,6,7,8-HpCDF	220	B	4.9	2.5	pg/g		05/18/23 08:09	06/04/23 23:22	1
1,2,3,4,7,8,9-HpCDF	5.2	B	4.9	2.3	pg/g		05/18/23 08:09	06/04/23 23:22	1
Total HpCDF	600	B	4.9	2.4	pg/g		05/18/23 08:09	06/04/23 23:22	1
OCDF	210	B	9.8	0.20	pg/g		05/18/23 08:09	06/04/23 23:22	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*70*		*40 - 135*	*05/18/23 08:09*	*06/04/23 23:22*	*1*
13C-1,2,3,7,8-PeCDD	*64*		*40 - 135*	*05/18/23 08:09*	*06/04/23 23:22*	*1*
13C-1,2,3,6,7,8-HxCDD	*63*		*40 - 135*	*05/18/23 08:09*	*06/04/23 23:22*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*72*		*40 - 135*	*05/18/23 08:09*	*06/04/23 23:22*	*1*
13C-OCDD	*82*		*40 - 135*	*05/18/23 08:09*	*06/04/23 23:22*	*1*
13C-2,3,7,8-TCDF	*74*		*40 - 135*	*05/18/23 08:09*	*06/04/23 23:22*	*1*
13C-1,2,3,7,8-PeCDF	*73*		*40 - 135*	*05/18/23 08:09*	*06/04/23 23:22*	*1*
13C-1,2,3,4,7,8-HxCDF	*75*		*40 - 135*	*05/18/23 08:09*	*06/04/23 23:22*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*66*		*40 - 135*	*05/18/23 08:09*	*06/04/23 23:22*	*1*
13C-OCDF	*88*		*40 - 135*	*05/18/23 08:09*	*06/04/23 23:22*	*1*
13C-1,2,3,7,8,9-HxCDF	*87*		*40 - 135*	*05/18/23 08:09*	*06/04/23 23:22*	*1*
13C-1,2,3,4,7,8-HxCDD	*66*		*40 - 135*	*05/18/23 08:09*	*06/04/23 23:22*	*1*
13C-1,2,3,6,7,8-HxCDF	*74*		*40 - 135*	*05/18/23 08:09*	*06/04/23 23:22*	*1*
13C-2,3,4,7,8-PeCDF	*67*		*40 - 135*	*05/18/23 08:09*	*06/04/23 23:22*	*1*
13C-2,3,4,6,7,8-HxCDF	*88*		*40 - 135*	*05/18/23 08:09*	*06/04/23 23:22*	*1*
13C-1,2,3,4,7,8,9-HpCDF	*80*		*40 - 135*	*05/18/23 08:09*	*06/04/23 23:22*	*1*

Client Sample ID: DU01-230504-0.5-Rep2
Date Collected: 05/04/23 16:35
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-17
Matrix: Solid

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.82	J q	0.97	0.096	pg/g		05/18/23 08:09	06/05/23 00:09	1
Total TCDD	4.1	q	0.97	0.096	pg/g		05/18/23 08:09	06/05/23 00:09	1
1,2,3,7,8-PeCDD	3.3	J q	4.8	0.16	pg/g		05/18/23 08:09	06/05/23 00:09	1
Total PeCDD	12	q	4.8	0.16	pg/g		05/18/23 08:09	06/05/23 00:09	1
1,2,3,4,7,8-HxCDD	6.0	B	4.8	1.1	pg/g		05/18/23 08:09	06/05/23 00:09	1
1,2,3,6,7,8-HxCDD	59		4.8	1.0	pg/g		05/18/23 08:09	06/05/23 00:09	1
1,2,3,7,8,9-HxCDD	14		4.8	1.0	pg/g		05/18/23 08:09	06/05/23 00:09	1
Total HxCDD	250	B	4.8	1.1	pg/g		05/18/23 08:09	06/05/23 00:09	1
1,2,3,4,6,7,8-HpCDD	370	G B	5.9	5.9	pg/g		05/18/23 08:09	06/05/23 00:09	1
Total HpCDD	680	G B	5.9	5.9	pg/g		05/18/23 08:09	06/05/23 00:09	1

Method: SW846 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Client Sample ID: DU01-230504-0.5-Rep2
Date Collected: 05/04/23 16:35
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-17
Matrix: Solid

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
OCDD	2500	B	9.7	3.2	pg/g		05/18/23 08:09	06/05/23 00:09	1
Total TCDF	8.8	q	0.97	0.090	pg/g		05/18/23 08:09	06/05/23 00:09	1
1,2,3,7,8-PeCDF	1.3	J B	4.8	0.16	pg/g		05/18/23 08:09	06/05/23 00:09	1
2,3,4,7,8-PeCDF	2.5	J B	4.8	0.19	pg/g		05/18/23 08:09	06/05/23 00:09	1
Total PeCDF	28	q B	4.8	0.17	pg/g		05/18/23 08:09	06/05/23 00:09	1
1,2,3,4,7,8-HxCDF	3.6	J B	4.8	0.82	pg/g		05/18/23 08:09	06/05/23 00:09	1
1,2,3,6,7,8-HxCDF	3.5	J B	4.8	0.75	pg/g		05/18/23 08:09	06/05/23 00:09	1
2,3,4,6,7,8-HxCDF	4.4	J B	4.8	0.67	pg/g		05/18/23 08:09	06/05/23 00:09	1
1,2,3,7,8,9-HxCDF	ND		4.8	0.69	pg/g		05/18/23 08:09	06/05/23 00:09	1
Total HxCDF	190	q B	4.8	0.73	pg/g		05/18/23 08:09	06/05/23 00:09	1
1,2,3,4,6,7,8-HpCDF	170	B	4.8	1.8	pg/g		05/18/23 08:09	06/05/23 00:09	1
1,2,3,4,7,8,9-HpCDF	3.4	J B	4.8	1.7	pg/g		05/18/23 08:09	06/05/23 00:09	1
Total HpCDF	430	B	4.8	1.8	pg/g		05/18/23 08:09	06/05/23 00:09	1
OCDF	140	B	9.7	0.21	pg/g		05/18/23 08:09	06/05/23 00:09	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*55*		*40 - 135*	*05/18/23 08:09*	*06/05/23 00:09*	*1*
13C-1,2,3,7,8-PeCDD	*50*		*40 - 135*	*05/18/23 08:09*	*06/05/23 00:09*	*1*
13C-1,2,3,6,7,8-HxCDD	*49*		*40 - 135*	*05/18/23 08:09*	*06/05/23 00:09*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*53*		*40 - 135*	*05/18/23 08:09*	*06/05/23 00:09*	*1*
13C-OCDD	*58*		*40 - 135*	*05/18/23 08:09*	*06/05/23 00:09*	*1*
13C-2,3,7,8-TCDF	*60*		*40 - 135*	*05/18/23 08:09*	*06/05/23 00:09*	*1*
13C-1,2,3,7,8-PeCDF	*56*		*40 - 135*	*05/18/23 08:09*	*06/05/23 00:09*	*1*
13C-1,2,3,4,7,8-HxCDF	*59*		*40 - 135*	*05/18/23 08:09*	*06/05/23 00:09*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*52*		*40 - 135*	*05/18/23 08:09*	*06/05/23 00:09*	*1*
13C-OCDF	*64*		*40 - 135*	*05/18/23 08:09*	*06/05/23 00:09*	*1*
13C-1,2,3,7,8,9-HxCDF	*66*		*40 - 135*	*05/18/23 08:09*	*06/05/23 00:09*	*1*
13C-1,2,3,4,7,8-HxCDD	*51*		*40 - 135*	*05/18/23 08:09*	*06/05/23 00:09*	*1*
13C-1,2,3,6,7,8-HxCDF	*60*		*40 - 135*	*05/18/23 08:09*	*06/05/23 00:09*	*1*
13C-2,3,4,7,8-PeCDF	*53*		*40 - 135*	*05/18/23 08:09*	*06/05/23 00:09*	*1*
13C-2,3,4,6,7,8-HxCDF	*67*		*40 - 135*	*05/18/23 08:09*	*06/05/23 00:09*	*1*
13C-1,2,3,4,7,8,9-HpCDF	*60*		*40 - 135*	*05/18/23 08:09*	*06/05/23 00:09*	*1*

Client Sample ID: DU02-230504-0.5
Date Collected: 05/04/23 17:00
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-18
Matrix: Solid

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	14		0.98	0.086	pg/g		05/18/23 08:09	06/05/23 00:57	1
Total TCDD	120		0.98	0.086	pg/g		05/18/23 08:09	06/05/23 00:57	1
1,2,3,7,8-PeCDD	46	q	4.9	0.58	pg/g		05/18/23 08:09	06/05/23 00:57	1
Total PeCDD	290	q	4.9	0.58	pg/g		05/18/23 08:09	06/05/23 00:57	1
1,2,3,4,7,8-HxCDD	15	B G	10	10	pg/g		05/18/23 08:09	06/05/23 00:57	1
1,2,3,6,7,8-HxCDD	440	G	9.6	9.6	pg/g		05/18/23 08:09	06/05/23 00:57	1
1,2,3,7,8,9-HxCDD	180	G	9.3	9.3	pg/g		05/18/23 08:09	06/05/23 00:57	1
Total HxCDD	2400	B G	9.7	9.7	pg/g		05/18/23 08:09	06/05/23 00:57	1
1,2,3,4,6,7,8-HpCDD	930	B G	10	10	pg/g		05/18/23 08:09	06/05/23 00:57	1
Total HpCDD	1400	B G	10	10	pg/g		05/18/23 08:09	06/05/23 00:57	1
OCDD	980	B	9.8	1.2	pg/g		05/18/23 08:09	06/05/23 00:57	1
Total TCDF	14	q	0.98	0.10	pg/g		05/18/23 08:09	06/05/23 00:57	1
1,2,3,7,8-PeCDF	1.8	J B	4.9	0.22	pg/g		05/18/23 08:09	06/05/23 00:57	1

Method: SW846 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Client Sample ID: DU02-230504-0.5
Date Collected: 05/04/23 17:00
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-18
Matrix: Solid

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,4,7,8-PeCDF	2.8	J B	4.9	0.25	pg/g		05/18/23 08:09	06/05/23 00:57	1
Total PeCDF	42	B	4.9	0.23	pg/g		05/18/23 08:09	06/05/23 00:57	1
1,2,3,4,7,8-HxCDF	8.7	B	4.9	2.6	pg/g		05/18/23 08:09	06/05/23 00:57	1
1,2,3,6,7,8-HxCDF	11	B	4.9	2.4	pg/g		05/18/23 08:09	06/05/23 00:57	1
2,3,4,6,7,8-HxCDF	9.7	B	4.9	2.1	pg/g		05/18/23 08:09	06/05/23 00:57	1
1,2,3,7,8,9-HxCDF	ND		4.9	2.4	pg/g		05/18/23 08:09	06/05/23 00:57	1
Total HxCDF	760	B	4.9	2.4	pg/g		05/18/23 08:09	06/05/23 00:57	1
1,2,3,4,6,7,8-HpCDF	850	B G	7.2	7.2	pg/g		05/18/23 08:09	06/05/23 00:57	1
1,2,3,4,7,8,9-HpCDF	14	B G	7.6	7.6	pg/g		05/18/23 08:09	06/05/23 00:57	1
Total HpCDF	2300	B G	7.4	7.4	pg/g		05/18/23 08:09	06/05/23 00:57	1
OCDF	770	B	9.8	0.88	pg/g		05/18/23 08:09	06/05/23 00:57	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*70*		*40 - 135*	*05/18/23 08:09*	*06/05/23 00:57*	*1*
13C-1,2,3,7,8-PeCDD	*66*		*40 - 135*	*05/18/23 08:09*	*06/05/23 00:57*	*1*
13C-1,2,3,6,7,8-HxCDD	*67*		*40 - 135*	*05/18/23 08:09*	*06/05/23 00:57*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*70*		*40 - 135*	*05/18/23 08:09*	*06/05/23 00:57*	*1*
13C-OCDD	*75*		*40 - 135*	*05/18/23 08:09*	*06/05/23 00:57*	*1*
13C-2,3,7,8-TCDF	*68*	*q*	*40 - 135*	*05/18/23 08:09*	*06/05/23 00:57*	*1*
13C-1,2,3,7,8-PeCDF	*74*		*40 - 135*	*05/18/23 08:09*	*06/05/23 00:57*	*1*
13C-1,2,3,4,7,8-HxCDF	*79*		*40 - 135*	*05/18/23 08:09*	*06/05/23 00:57*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*70*		*40 - 135*	*05/18/23 08:09*	*06/05/23 00:57*	*1*
13C-OCDF	*84*		*40 - 135*	*05/18/23 08:09*	*06/05/23 00:57*	*1*
13C-1,2,3,7,8,9-HxCDF	*82*		*40 - 135*	*05/18/23 08:09*	*06/05/23 00:57*	*1*
13C-1,2,3,4,7,8-HxCDD	*68*		*40 - 135*	*05/18/23 08:09*	*06/05/23 00:57*	*1*
13C-1,2,3,6,7,8-HxCDF	*79*		*40 - 135*	*05/18/23 08:09*	*06/05/23 00:57*	*1*
13C-2,3,4,7,8-PeCDF	*71*		*40 - 135*	*05/18/23 08:09*	*06/05/23 00:57*	*1*
13C-2,3,4,6,7,8-HxCDF	*85*		*40 - 135*	*05/18/23 08:09*	*06/05/23 00:57*	*1*
13C-1,2,3,4,7,8,9-HpCDF	*78*		*40 - 135*	*05/18/23 08:09*	*06/05/23 00:57*	*1*

Client Sample ID: DU03-230505-0.5
Date Collected: 05/05/23 11:15
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-21
Matrix: Solid

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	10		0.97	0.34	pg/g		05/18/23 08:09	06/05/23 01:44	1
Total TCDD	86		0.97	0.34	pg/g		05/18/23 08:09	06/05/23 01:44	1
1,2,3,7,8-PeCDD	42		4.9	0.66	pg/g		05/18/23 08:09	06/05/23 01:44	1
Total PeCDD	220	q	4.9	0.66	pg/g		05/18/23 08:09	06/05/23 01:44	1
1,2,3,4,7,8-HxCDD	13	B G	7.6	7.6	pg/g		05/18/23 08:09	06/05/23 01:44	1
1,2,3,6,7,8-HxCDD	350	F1 G	7.6	7.6	pg/g		05/18/23 08:09	06/05/23 01:44	1
1,2,3,7,8,9-HxCDD	160	F1 G	7.2	7.2	pg/g		05/18/23 08:09	06/05/23 01:44	1
Total HxCDD	1900	B G	7.5	7.5	pg/g		05/18/23 08:09	06/05/23 01:44	1
1,2,3,4,6,7,8-HpCDD	720	B G	9.0	9.0	pg/g		05/18/23 08:09	06/05/23 01:44	1
Total HpCDD	1100	B G	9.0	9.0	pg/g		05/18/23 08:09	06/05/23 01:44	1
OCDD	750	F1 B	9.7	1.4	pg/g		05/18/23 08:09	06/05/23 01:44	1
Total TCDF	9.9	q	0.97	0.18	pg/g		05/18/23 08:09	06/05/23 01:44	1
1,2,3,7,8-PeCDF	1.1	J B q	4.9	0.36	pg/g		05/18/23 08:09	06/05/23 01:44	1
2,3,4,7,8-PeCDF	2.2	J B	4.9	0.41	pg/g		05/18/23 08:09	06/05/23 01:44	1
Total PeCDF	29	B q	4.9	0.39	pg/g		05/18/23 08:09	06/05/23 01:44	1
1,2,3,4,7,8-HxCDF	6.8	B	4.9	2.0	pg/g		05/18/23 08:09	06/05/23 01:44	1

Method: SW846 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Client Sample ID: DU03-230505-0.5
Date Collected: 05/05/23 11:15
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-21
Matrix: Solid

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3,6,7,8-HxCDF	9.2	B	4.9	2.0	pg/g		05/18/23 08:09	06/05/23 01:44	1
2,3,4,6,7,8-HxCDF	8.1	B	4.9	1.7	pg/g		05/18/23 08:09	06/05/23 01:44	1
1,2,3,7,8,9-HxCDF	ND		4.9	1.9	pg/g		05/18/23 08:09	06/05/23 01:44	1
Total HxCDF	560	B	4.9	1.9	pg/g		05/18/23 08:09	06/05/23 01:44	1
1,2,3,4,6,7,8-HpCDF	670	B G	6.5	6.5	pg/g		05/18/23 08:09	06/05/23 01:44	1
1,2,3,4,7,8,9-HpCDF	12	B G	6.6	6.6	pg/g		05/18/23 08:09	06/05/23 01:44	1
Total HpCDF	1800	B G	6.6	6.6	pg/g		05/18/23 08:09	06/05/23 01:44	1
OCDF	610	F1 B	9.7	0.77	pg/g		05/18/23 08:09	06/05/23 01:44	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*75*		*40 - 135*	*05/18/23 08:09*	*06/05/23 01:44*	*1*
13C-1,2,3,7,8-PeCDD	*69*		*40 - 135*	*05/18/23 08:09*	*06/05/23 01:44*	*1*
13C-1,2,3,6,7,8-HxCDD	*70*		*40 - 135*	*05/18/23 08:09*	*06/05/23 01:44*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*76*		*40 - 135*	*05/18/23 08:09*	*06/05/23 01:44*	*1*
13C-OCDD	*78*		*40 - 135*	*05/18/23 08:09*	*06/05/23 01:44*	*1*
13C-2,3,7,8-TCDF	*81*		*40 - 135*	*05/18/23 08:09*	*06/05/23 01:44*	*1*
13C-1,2,3,7,8-PeCDF	*83*		*40 - 135*	*05/18/23 08:09*	*06/05/23 01:44*	*1*
13C-1,2,3,4,7,8-HxCDF	*86*		*40 - 135*	*05/18/23 08:09*	*06/05/23 01:44*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*72*		*40 - 135*	*05/18/23 08:09*	*06/05/23 01:44*	*1*
13C-OCDF	*85*		*40 - 135*	*05/18/23 08:09*	*06/05/23 01:44*	*1*
13C-1,2,3,7,8,9-HxCDF	*93*		*40 - 135*	*05/18/23 08:09*	*06/05/23 01:44*	*1*
13C-1,2,3,4,7,8-HxCDD	*70*		*40 - 135*	*05/18/23 08:09*	*06/05/23 01:44*	*1*
13C-1,2,3,6,7,8-HxCDF	*83*		*40 - 135*	*05/18/23 08:09*	*06/05/23 01:44*	*1*
13C-2,3,4,7,8-PeCDF	*77*		*40 - 135*	*05/18/23 08:09*	*06/05/23 01:44*	*1*
13C-2,3,4,6,7,8-HxCDF	*93*		*40 - 135*	*05/18/23 08:09*	*06/05/23 01:44*	*1*
13C-1,2,3,4,7,8,9-HpCDF	*83*		*40 - 135*	*05/18/23 08:09*	*06/05/23 01:44*	*1*

Client Sample ID: DU03-230505-0.5-Rep1
Date Collected: 05/05/23 11:20
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-22
Matrix: Solid

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	14		0.98	0.14	pg/g		05/18/23 08:09	06/05/23 04:07	1
Total TCDD	110	q	0.98	0.14	pg/g		05/18/23 08:09	06/05/23 04:07	1
1,2,3,7,8-PeCDD	46	q	4.9	0.51	pg/g		05/18/23 08:09	06/05/23 04:07	1
Total PeCDD	260	q	4.9	0.51	pg/g		05/18/23 08:09	06/05/23 04:07	1
1,2,3,4,7,8-HxCDD	15	B G	9.3	9.3	pg/g		05/18/23 08:09	06/05/23 04:07	1
1,2,3,6,7,8-HxCDD	460	G	8.6	8.6	pg/g		05/18/23 08:09	06/05/23 04:07	1
1,2,3,7,8,9-HxCDD	210	G	8.5	8.5	pg/g		05/18/23 08:09	06/05/23 04:07	1
Total HxCDD	2500	B G	8.8	8.8	pg/g		05/18/23 08:09	06/05/23 04:07	1
1,2,3,4,6,7,8-HpCDD	990	B G	11	11	pg/g		05/18/23 08:09	06/05/23 04:07	1
Total HpCDD	1500	B G	11	11	pg/g		05/18/23 08:09	06/05/23 04:07	1
OCDD	960	B	9.8	1.2	pg/g		05/18/23 08:09	06/05/23 04:07	1
Total TCDF	11	q	0.98	0.11	pg/g		05/18/23 08:09	06/05/23 04:07	1
1,2,3,7,8-PeCDF	1.9	J B	4.9	0.24	pg/g		05/18/23 08:09	06/05/23 04:07	1
2,3,4,7,8-PeCDF	2.8	J B	4.9	0.28	pg/g		05/18/23 08:09	06/05/23 04:07	1
Total PeCDF	36	B q	4.9	0.26	pg/g		05/18/23 08:09	06/05/23 04:07	1
1,2,3,4,7,8-HxCDF	8.8	B	4.9	2.3	pg/g		05/18/23 08:09	06/05/23 04:07	1
1,2,3,6,7,8-HxCDF	12	B	4.9	2.1	pg/g		05/18/23 08:09	06/05/23 04:07	1
2,3,4,6,7,8-HxCDF	10	B	4.9	1.7	pg/g		05/18/23 08:09	06/05/23 04:07	1
1,2,3,7,8,9-HxCDF	ND		4.9	1.9	pg/g		05/18/23 08:09	06/05/23 04:07	1

Method: SW846 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Client Sample ID: DU03-230505-0.5-Rep1
Date Collected: 05/05/23 11:20
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-22
Matrix: Solid

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
Total HxCDF	700	B	4.9	2.0	pg/g		05/18/23 08:09	06/05/23 04:07	1
1,2,3,4,6,7,8-HpCDF	900	B G	7.7	7.7	pg/g		05/18/23 08:09	06/05/23 04:07	1
1,2,3,4,7,8,9-HpCDF	15	B G	7.7	7.7	pg/g		05/18/23 08:09	06/05/23 04:07	1
Total HpCDF	2500	B G	7.7	7.7	pg/g		05/18/23 08:09	06/05/23 04:07	1
OCDF	830	B	9.8	0.86	pg/g		05/18/23 08:09	06/05/23 04:07	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*69*		*40 - 135*	*05/18/23 08:09*	*06/05/23 04:07*	*1*
13C-1,2,3,7,8-PeCDD	*67*		*40 - 135*	*05/18/23 08:09*	*06/05/23 04:07*	*1*
13C-1,2,3,6,7,8-HxCDD	*65*		*40 - 135*	*05/18/23 08:09*	*06/05/23 04:07*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*71*		*40 - 135*	*05/18/23 08:09*	*06/05/23 04:07*	*1*
13C-OCDD	*74*		*40 - 135*	*05/18/23 08:09*	*06/05/23 04:07*	*1*
13C-2,3,7,8-TCDF	*74*		*40 - 135*	*05/18/23 08:09*	*06/05/23 04:07*	*1*
13C-1,2,3,7,8-PeCDF	*73*		*40 - 135*	*05/18/23 08:09*	*06/05/23 04:07*	*1*
13C-1,2,3,4,7,8-HxCDF	*75*		*40 - 135*	*05/18/23 08:09*	*06/05/23 04:07*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*68*		*40 - 135*	*05/18/23 08:09*	*06/05/23 04:07*	*1*
13C-OCDF	*83*		*40 - 135*	*05/18/23 08:09*	*06/05/23 04:07*	*1*
13C-1,2,3,7,8,9-HxCDF	*84*		*40 - 135*	*05/18/23 08:09*	*06/05/23 04:07*	*1*
13C-1,2,3,4,7,8-HxCDD	*63*		*40 - 135*	*05/18/23 08:09*	*06/05/23 04:07*	*1*
13C-1,2,3,6,7,8-HxCDF	*74*		*40 - 135*	*05/18/23 08:09*	*06/05/23 04:07*	*1*
13C-2,3,4,7,8-PeCDF	*69*		*40 - 135*	*05/18/23 08:09*	*06/05/23 04:07*	*1*
13C-2,3,4,6,7,8-HxCDF	*85*		*40 - 135*	*05/18/23 08:09*	*06/05/23 04:07*	*1*
13C-1,2,3,4,7,8,9-HpCDF	*79*		*40 - 135*	*05/18/23 08:09*	*06/05/23 04:07*	*1*

Client Sample ID: DU03-230505-0.5-Rep2
Date Collected: 05/05/23 11:25
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-23
Matrix: Solid

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	2.1	q	0.94	0.072	pg/g		05/18/23 08:09	06/05/23 04:55	1
Total TCDD	19	q	0.94	0.072	pg/g		05/18/23 08:09	06/05/23 04:55	1
1,2,3,7,8-PeCDD	7.5	q	4.7	0.15	pg/g		05/18/23 08:09	06/05/23 04:55	1
Total PeCDD	46	q	4.7	0.15	pg/g		05/18/23 08:09	06/05/23 04:55	1
1,2,3,4,7,8-HxCDD	2.5	J B	4.7	1.7	pg/g		05/18/23 08:09	06/05/23 04:55	1
1,2,3,6,7,8-HxCDD	74		4.7	1.6	pg/g		05/18/23 08:09	06/05/23 04:55	1
1,2,3,7,8,9-HxCDD	33		4.7	1.6	pg/g		05/18/23 08:09	06/05/23 04:55	1
Total HxCDD	400	B	4.7	1.6	pg/g		05/18/23 08:09	06/05/23 04:55	1
1,2,3,4,6,7,8-HpCDD	170	B	4.7	2.0	pg/g		05/18/23 08:09	06/05/23 04:55	1
Total HpCDD	260	B	4.7	2.0	pg/g		05/18/23 08:09	06/05/23 04:55	1
OCDD	250	B	9.4	0.37	pg/g		05/18/23 08:09	06/05/23 04:55	1
Total TCDF	3.8	q	0.94	0.069	pg/g		05/18/23 08:09	06/05/23 04:55	1
1,2,3,7,8-PeCDF	0.32	J B q	4.7	0.10	pg/g		05/18/23 08:09	06/05/23 04:55	1
2,3,4,7,8-PeCDF	0.69	J B q	4.7	0.12	pg/g		05/18/23 08:09	06/05/23 04:55	1
Total PeCDF	11	B q	4.7	0.11	pg/g		05/18/23 08:09	06/05/23 04:55	1
1,2,3,4,7,8-HxCDF	1.9	J B	4.7	0.40	pg/g		05/18/23 08:09	06/05/23 04:55	1
1,2,3,6,7,8-HxCDF	2.2	J B	4.7	0.36	pg/g		05/18/23 08:09	06/05/23 04:55	1
2,3,4,6,7,8-HxCDF	1.9	J B q	4.7	0.31	pg/g		05/18/23 08:09	06/05/23 04:55	1
1,2,3,7,8,9-HxCDF	ND		4.7	0.35	pg/g		05/18/23 08:09	06/05/23 04:55	1
Total HxCDF	120	B q	4.7	0.36	pg/g		05/18/23 08:09	06/05/23 04:55	1
1,2,3,4,6,7,8-HpCDF	140	B	4.7	1.3	pg/g		05/18/23 08:09	06/05/23 04:55	1
1,2,3,4,7,8,9-HpCDF	2.5	J B	4.7	1.3	pg/g		05/18/23 08:09	06/05/23 04:55	1

Method: SW846 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Client Sample ID: DU03-230505-0.5-Rep2
Date Collected: 05/05/23 11:25
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-23
Matrix: Solid

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
Total HpCDF	380	B	4.7	1.3	pg/g		05/18/23 08:09	06/05/23 04:55	1
OCDF	140	B	9.4	0.19	pg/g		05/18/23 08:09	06/05/23 04:55	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*72*		*40 - 135*	*05/18/23 08:09*	*06/05/23 04:55*	*1*
13C-1,2,3,7,8-PeCDD	*68*		*40 - 135*	*05/18/23 08:09*	*06/05/23 04:55*	*1*
13C-1,2,3,6,7,8-HxCDD	*69*		*40 - 135*	*05/18/23 08:09*	*06/05/23 04:55*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*70*		*40 - 135*	*05/18/23 08:09*	*06/05/23 04:55*	*1*
13C-OCDD	*71*		*40 - 135*	*05/18/23 08:09*	*06/05/23 04:55*	*1*
13C-2,3,7,8-TCDF	*76*		*40 - 135*	*05/18/23 08:09*	*06/05/23 04:55*	*1*
13C-1,2,3,7,8-PeCDF	*76*		*40 - 135*	*05/18/23 08:09*	*06/05/23 04:55*	*1*
13C-1,2,3,4,7,8-HxCDF	*80*		*40 - 135*	*05/18/23 08:09*	*06/05/23 04:55*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*69*		*40 - 135*	*05/18/23 08:09*	*06/05/23 04:55*	*1*
13C-OCDF	*81*		*40 - 135*	*05/18/23 08:09*	*06/05/23 04:55*	*1*
13C-1,2,3,7,8,9-HxCDF	*85*		*40 - 135*	*05/18/23 08:09*	*06/05/23 04:55*	*1*
13C-1,2,3,4,7,8-HxCDD	*68*		*40 - 135*	*05/18/23 08:09*	*06/05/23 04:55*	*1*
13C-1,2,3,6,7,8-HxCDF	*79*		*40 - 135*	*05/18/23 08:09*	*06/05/23 04:55*	*1*
13C-2,3,4,7,8-PeCDF	*72*		*40 - 135*	*05/18/23 08:09*	*06/05/23 04:55*	*1*
13C-2,3,4,6,7,8-HxCDF	*87*		*40 - 135*	*05/18/23 08:09*	*06/05/23 04:55*	*1*
13C-1,2,3,4,7,8,9-HpCDF	*79*		*40 - 135*	*05/18/23 08:09*	*06/05/23 04:55*	*1*

Method: SW846 8290A - Dioxins and Furans (HRGC/HRMS) - RA

Client Sample ID: DU01-230504-0.5
Date Collected: 05/04/23 16:15
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-15
Matrix: Solid

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDF	2.7		0.99	0.099	pg/g		05/18/23 08:09	06/06/23 17:04	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDF	*69*		*40 - 135*	*05/18/23 08:09*	*06/06/23 17:04*	*1*

Client Sample ID: DU01-230504-0.5-Rep1
Date Collected: 05/04/23 16:25
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-16
Matrix: Solid

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDF	3.6		0.98	0.087	pg/g		05/18/23 08:09	06/06/23 17:47	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDF	*77*		*40 - 135*	*05/18/23 08:09*	*06/06/23 17:47*	*1*

Client Sample ID: DU01-230504-0.5-Rep2
Date Collected: 05/04/23 16:35
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-17
Matrix: Solid

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDF	2.5		0.97	0.10	pg/g		05/18/23 08:09	06/06/23 18:30	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDF	*55*		*40 - 135*	*05/18/23 08:09*	*06/06/23 18:30*	*1*

Method: SW846 8290A - Dioxins and Furans (HRGC/HRMS) - RA

Client Sample ID: DU02-230504-0.5
Date Collected: 05/04/23 17:00
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-18
Matrix: Solid

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDF	2.7		0.98	0.11	pg/g		05/18/23 08:09	06/06/23 19:13	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDF	*80*		*40 - 135*	*05/18/23 08:09*	*06/06/23 19:13*	*1*

Client Sample ID: DU03-230505-0.5
Date Collected: 05/05/23 11:15
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-21
Matrix: Solid

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDF	1.9		0.97	0.11	pg/g		05/18/23 08:09	06/06/23 19:57	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDF	*84*		*40 - 135*	*05/18/23 08:09*	*06/06/23 19:57*	*1*

Client Sample ID: DU03-230505-0.5-Rep1
Date Collected: 05/05/23 11:20
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-22
Matrix: Solid

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDF	2.6		0.98	0.19	pg/g		05/18/23 08:09	06/06/23 22:06	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDF	*88*		*40 - 135*	*05/18/23 08:09*	*06/06/23 22:06*	*1*

Client Sample ID: DU03-230505-0.5-Rep2
Date Collected: 05/05/23 11:25
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-23
Matrix: Solid

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDF	ND		0.94	0.15	pg/g		05/18/23 08:09	06/06/23 22:49	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDF	*72*	*q*	*40 - 135*	*05/18/23 08:09*	*06/06/23 22:49*	*1*

General Chemistry

Client Sample ID: DU01-230504-0.5
Date Collected: 05/04/23 16:15
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-15
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Incremented sample generated (EPA Increment, prep)	True				NONE			05/10/23 14:50	1

Client Sample ID: DU01-230504-0.5-Rep1
Date Collected: 05/04/23 16:25
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-16
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Incremented sample generated (EPA Increment, prep)	True				NONE			05/10/23 14:50	1

Client Sample ID: DU01-230504-0.5-Rep2
Date Collected: 05/04/23 16:35
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-17
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Incremented sample generated (EPA Increment, prep)	True				NONE			05/10/23 14:50	1

General Chemistry

Client Sample ID: DU02-230504-0.5
Date Collected: 05/04/23 17:00
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-18
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Incremented sample generated (EPA Increment, prep)	True				NONE			05/10/23 14:50	1

Client Sample ID: DU03-230505-0.5
Date Collected: 05/05/23 11:15
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-21
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Incremented sample generated (EPA Increment, prep)	True				NONE			05/10/23 14:50	1

Client Sample ID: DU03-230505-0.5-Rep1
Date Collected: 05/05/23 11:20
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-22
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Incremented sample generated (EPA Increment, prep)	True				NONE			05/10/23 14:50	1

Client Sample ID: DU03-230505-0.5-Rep2
Date Collected: 05/05/23 11:25
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-23
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Incremented sample generated (EPA Increment, prep)	True				NONE			05/10/23 14:50	1

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Lab Sample ID: MB 320-673787/1-A
Matrix: Solid
Analysis Batch: 678488

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 673787

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		1.0	0.048	pg/g		05/11/23 10:19	05/28/23 22:25	1
1,2,3,7,8-PeCDD	ND		5.0	0.097	pg/g		05/11/23 10:19	05/28/23 22:25	1
1,2,3,4,7,8-HxCDD	0.357	J q	5.0	0.13	pg/g		05/11/23 10:19	05/28/23 22:25	1
1,2,3,6,7,8-HxCDD	0.461	J q	5.0	0.13	pg/g		05/11/23 10:19	05/28/23 22:25	1
1,2,3,7,8,9-HxCDD	0.317	J q	5.0	0.11	pg/g		05/11/23 10:19	05/28/23 22:25	1
2,3,7,8-TCDF	ND		1.0	0.0074	pg/g		05/11/23 10:19	05/28/23 22:25	1
1,2,3,4,6,7,8-HpCDD	0.438	J q	5.0	0.019	pg/g		05/11/23 10:19	05/28/23 22:25	1
1,2,3,7,8-PeCDF	ND		5.0	0.064	pg/g		05/11/23 10:19	05/28/23 22:25	1
2,3,4,7,8-PeCDF	ND		5.0	0.074	pg/g		05/11/23 10:19	05/28/23 22:25	1
OCDD	1.12	J	10	0.072	pg/g		05/11/23 10:19	05/28/23 22:25	1
1,2,3,4,7,8-HxCDF	ND		5.0	0.081	pg/g		05/11/23 10:19	05/28/23 22:25	1
1,2,3,6,7,8-HxCDF	ND		5.0	0.071	pg/g		05/11/23 10:19	05/28/23 22:25	1
Total TCDD	ND		1.0	0.050	pg/g		05/11/23 10:19	05/28/23 22:25	1
2,3,4,6,7,8-HxCDF	0.334	J	5.0	0.070	pg/g		05/11/23 10:19	05/28/23 22:25	1
Total TCDF	ND		1.0	0.0074	pg/g		05/11/23 10:19	05/28/23 22:25	1
1,2,3,7,8,9-HxCDF	ND		5.0	0.081	pg/g		05/11/23 10:19	05/28/23 22:25	1
Total PeCDD	ND		5.0	0.097	pg/g		05/11/23 10:19	05/28/23 22:25	1
Total PeCDF	ND		5.0	0.074	pg/g		05/11/23 10:19	05/28/23 22:25	1
1,2,3,4,6,7,8-HpCDF	0.347	J q	5.0	0.12	pg/g		05/11/23 10:19	05/28/23 22:25	1
Total HxCDD	1.13	J q	5.0	0.12	pg/g		05/11/23 10:19	05/28/23 22:25	1
1,2,3,4,7,8,9-HpCDF	0.457	J q	5.0	0.13	pg/g		05/11/23 10:19	05/28/23 22:25	1
Total HxCDF	0.334	J	5.0	0.076	pg/g		05/11/23 10:19	05/28/23 22:25	1
Total HpCDD	0.438	J q	5.0	0.019	pg/g		05/11/23 10:19	05/28/23 22:25	1
OCDF	0.879	J	10	0.080	pg/g		05/11/23 10:19	05/28/23 22:25	1
Total HpCDF	0.804	J q	5.0	0.12	pg/g		05/11/23 10:19	05/28/23 22:25	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*66*		*40 - 135*	*05/11/23 10:19*	*05/28/23 22:25*	*1*
13C-1,2,3,7,8-PeCDD	*68*		*40 - 135*	*05/11/23 10:19*	*05/28/23 22:25*	*1*
13C-1,2,3,6,7,8-HxCDD	*70*		*40 - 135*	*05/11/23 10:19*	*05/28/23 22:25*	*1*
13C-2,3,7,8-TCDF	*53*		*40 - 135*	*05/11/23 10:19*	*05/28/23 22:25*	*1*
13C-1,2,3,7,8-PeCDF	*69*		*40 - 135*	*05/11/23 10:19*	*05/28/23 22:25*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*76*		*40 - 135*	*05/11/23 10:19*	*05/28/23 22:25*	*1*
13C-1,2,3,4,7,8-HxCDF	*60*		*40 - 135*	*05/11/23 10:19*	*05/28/23 22:25*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*68*		*40 - 135*	*05/11/23 10:19*	*05/28/23 22:25*	*1*
13C-OCDD	*71*		*40 - 135*	*05/11/23 10:19*	*05/28/23 22:25*	*1*
13C-OCDF	*61*		*40 - 135*	*05/11/23 10:19*	*05/28/23 22:25*	*1*
13C-1,2,3,7,8,9-HxCDF	*56*		*40 - 135*	*05/11/23 10:19*	*05/28/23 22:25*	*1*
13C-1,2,3,4,7,8-HxCDD	*70*		*40 - 135*	*05/11/23 10:19*	*05/28/23 22:25*	*1*
13C-1,2,3,6,7,8-HxCDF	*71*		*40 - 135*	*05/11/23 10:19*	*05/28/23 22:25*	*1*
13C-2,3,4,7,8-PeCDF	*64*		*40 - 135*	*05/11/23 10:19*	*05/28/23 22:25*	*1*
13C-2,3,4,6,7,8-HxCDF	*66*		*40 - 135*	*05/11/23 10:19*	*05/28/23 22:25*	*1*
13C-1,2,3,4,7,8,9-HpCDF	*66*		*40 - 135*	*05/11/23 10:19*	*05/28/23 22:25*	*1*

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Lab Sample ID: LCS 320-673787/2-A
Matrix: Solid
Analysis Batch: 678488

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 673787

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,3,7,8-TCDD	20.0	17.7		pg/g		89	73 - 141
1,2,3,7,8-PeCDD	100	91.6		pg/g		92	77 - 126
1,2,3,4,7,8-HxCDD	100	90.3		pg/g		90	73 - 126
1,2,3,6,7,8-HxCDD	100	96.5		pg/g		97	76 - 142
1,2,3,7,8,9-HxCDD	100	99.2		pg/g		99	70 - 136
2,3,7,8-TCDF	20.0	19.2		pg/g		96	71 - 153
1,2,3,4,6,7,8-HpCDD	100	92.5		pg/g		93	79 - 121
1,2,3,7,8-PeCDF	100	88.0		pg/g		88	72 - 128
2,3,4,7,8-PeCDF	100	91.7		pg/g		92	72 - 127
OCDD	200	178		pg/g		89	76 - 136
1,2,3,4,7,8-HxCDF	100	95.9		pg/g		96	73 - 127
1,2,3,6,7,8-HxCDF	100	91.6		pg/g		92	77 - 126
2,3,4,6,7,8-HxCDF	100	95.2		pg/g		95	77 - 126
1,2,3,7,8,9-HxCDF	100	90.6		pg/g		91	77 - 125
1,2,3,4,6,7,8-HpCDF	100	93.8		pg/g		94	78 - 138
1,2,3,4,7,8,9-HpCDF	100	91.6		pg/g		92	76 - 123
OCDF	200	184		pg/g		92	75 - 130

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C-2,3,7,8-TCDD	*58*		*40 - 135*
13C-1,2,3,7,8-PeCDD	*68*		*40 - 135*
13C-1,2,3,6,7,8-HxCDD	*61*		*40 - 135*
13C-2,3,7,8-TCDF	*49*		*40 - 135*
13C-1,2,3,7,8-PeCDF	*61*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDD	*72*		*40 - 135*
13C-1,2,3,4,7,8-HxCDF	*52*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDF	*59*		*40 - 135*
13C-OCDD	*69*		*40 - 135*
13C-OCDF	*60*		*40 - 135*
13C-1,2,3,7,8,9-HxCDF	*57*		*40 - 135*
13C-1,2,3,4,7,8-HxCDD	*60*		*40 - 135*
13C-1,2,3,6,7,8-HxCDF	*63*		*40 - 135*
13C-2,3,4,7,8-PeCDF	*52*		*40 - 135*
13C-2,3,4,6,7,8-HxCDF	*64*		*40 - 135*
13C-1,2,3,4,7,8,9-HpCDF	*62*		*40 - 135*

Lab Sample ID: LCSD 320-673787/3-A
Matrix: Solid
Analysis Batch: 678488

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 673787

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,3,7,8-TCDD	20.0	17.3		pg/g		86	73 - 141	3	20
1,2,3,7,8-PeCDD	100	91.5		pg/g		91	77 - 126	0	20
1,2,3,4,7,8-HxCDD	100	91.4		pg/g		91	73 - 126	1	20
1,2,3,6,7,8-HxCDD	100	95.3		pg/g		95	76 - 142	1	20
1,2,3,7,8,9-HxCDD	100	86.6		pg/g		87	70 - 136	14	20
2,3,7,8-TCDF	20.0	20.3		pg/g		102	71 - 153	6	20
1,2,3,4,6,7,8-HpCDD	100	93.0		pg/g		93	79 - 121	0	20
1,2,3,7,8-PeCDF	100	94.3		pg/g		94	72 - 128	7	20

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Lab Sample ID: LCSD 320-673787/3-A
Matrix: Solid
Analysis Batch: 678488

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 673787

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,3,4,7,8-PeCDF			100	92.3		pg/g		92	72 - 127	1	20
OCDD			200	186		pg/g		93	76 - 136	4	20
1,2,3,4,7,8-HxCDF			100	96.1		pg/g		96	73 - 127	0	20
1,2,3,6,7,8-HxCDF			100	97.4		pg/g		97	77 - 126	6	20
2,3,4,6,7,8-HxCDF			100	91.3		pg/g		91	77 - 126	4	20
1,2,3,7,8,9-HxCDF			100	95.3		pg/g		95	77 - 125	5	20
1,2,3,4,6,7,8-HpCDF			100	97.1		pg/g		97	78 - 138	3	20
1,2,3,4,7,8,9-HpCDF			100	93.7		pg/g		94	76 - 123	2	20
OCDF			200	187		pg/g		93	75 - 130	2	20

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C-2,3,7,8-TCDD	*58*		*40 - 135*
13C-1,2,3,7,8-PeCDD	*75*		*40 - 135*
13C-1,2,3,6,7,8-HxCDD	*65*		*40 - 135*
13C-2,3,7,8-TCDF	*49*		*40 - 135*
13C-1,2,3,7,8-PeCDF	*62*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDD	*70*		*40 - 135*
13C-1,2,3,4,7,8-HxCDF	*53*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDF	*58*		*40 - 135*
13C-OCDD	*65*		*40 - 135*
13C-OCDF	*55*		*40 - 135*
13C-1,2,3,7,8,9-HxCDF	*52*		*40 - 135*
13C-1,2,3,4,7,8-HxCDD	*63*		*40 - 135*
13C-1,2,3,6,7,8-HxCDF	*61*		*40 - 135*
13C-2,3,4,7,8-PeCDF	*60*		*40 - 135*
13C-2,3,4,6,7,8-HxCDF	*61*		*40 - 135*
13C-1,2,3,4,7,8,9-HpCDF	*59*		*40 - 135*

Lab Sample ID: 280-175901-B-1-B MS
Matrix: Solid
Analysis Batch: 678489

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 673787

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2,3,7,8-TCDD	ND		19.9	18.5		pg/g		93	73 - 141
1,2,3,7,8-PeCDD	ND		99.5	93.3		pg/g		94	77 - 126
1,2,3,4,7,8-HxCDD	0.27	J B q	99.5	95.0		pg/g		95	73 - 126
1,2,3,6,7,8-HxCDD	ND		99.5	94.7		pg/g		95	76 - 142
1,2,3,7,8,9-HxCDD	ND		99.5	97.4		pg/g		98	70 - 136
2,3,7,8-TCDF	ND		19.9	20.9		pg/g		105	71 - 153
1,2,3,4,6,7,8-HpCDD	0.84	J B	99.5	95.3		pg/g		95	79 - 121
1,2,3,7,8-PeCDF	ND		99.5	91.8		pg/g		92	72 - 128
2,3,4,7,8-PeCDF	ND		99.5	91.5		pg/g		92	72 - 127
OCDD	4.6	J B	199	186		pg/g		91	76 - 136
1,2,3,4,7,8-HxCDF	ND		99.5	97.8		pg/g		98	73 - 127
1,2,3,6,7,8-HxCDF	0.10	J q	99.5	97.1		pg/g		98	77 - 126
2,3,4,6,7,8-HxCDF	0.18	J B q	99.5	95.2		pg/g		96	77 - 126
1,2,3,7,8,9-HxCDF	0.31	J	99.5	96.9		pg/g		97	77 - 125
1,2,3,4,6,7,8-HpCDF	0.69	J B q	99.5	95.0		pg/g		95	78 - 138
1,2,3,4,7,8,9-HpCDF	0.37	J B q	99.5	93.4		pg/g		93	76 - 123

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Lab Sample ID: 280-175901-B-1-B MS
Matrix: Solid
Analysis Batch: 678489

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 673787

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
OCDF	2.2	J B	199	194		pg/g		96	75 - 130

Isotope Dilution	*MS %Recovery*	*MS Qualifier*	*Limits*
13C-2,3,7,8-TCDD	*56*		*40 - 135*
13C-1,2,3,7,8-PeCDD	*66*		*40 - 135*
13C-1,2,3,6,7,8-HxCDD	*49*		*40 - 135*
13C-2,3,7,8-TCDF	*44*		*40 - 135*
13C-1,2,3,7,8-PeCDF	*58*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDD	*53*		*40 - 135*
13C-1,2,3,4,7,8-HxCDF	*39*	*5-	*40 - 135*
13C-1,2,3,4,6,7,8-HpCDF	*40*		*40 - 135*
13C-OCDD	*43*		*40 - 135*
13C-OCDF	*37*	*5-	*40 - 135*
13C-1,2,3,7,8,9-HxCDF	*44*		*40 - 135*
13C-1,2,3,4,7,8-HxCDD	*47*		*40 - 135*
13C-1,2,3,6,7,8-HxCDF	*45*		*40 - 135*
13C-2,3,4,7,8-PeCDF	*51*		*40 - 135*
13C-2,3,4,6,7,8-HxCDF	*50*		*40 - 135*
13C-1,2,3,4,7,8,9-HpCDF	*46*		*40 - 135*

Lab Sample ID: 280-175901-B-1-C MSD
Matrix: Solid
Analysis Batch: 678489

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 673787

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,3,7,8-TCDD	ND		19.7	17.2		pg/g		87	73 - 141	7	20
1,2,3,7,8-PeCDD	ND		98.5	93.8		pg/g		95	77 - 126	1	20
1,2,3,4,7,8-HxCDD	0.27	J B q	98.5	89.4		pg/g		90	73 - 126	6	20
1,2,3,6,7,8-HxCDD	ND		98.5	90.0		pg/g		91	76 - 142	5	20
1,2,3,7,8,9-HxCDD	ND		98.5	88.7		pg/g		90	70 - 136	9	20
2,3,7,8-TCDF	ND		19.7	19.7		pg/g		100	71 - 153	6	20
1,2,3,4,6,7,8-HpCDD	0.84	J B	98.5	91.9		pg/g		92	79 - 121	4	20
1,2,3,7,8-PeCDF	ND		98.5	92.7		pg/g		94	72 - 128	1	20
2,3,4,7,8-PeCDF	ND		98.5	94.3		pg/g		96	72 - 127	3	20
OCDD	4.6	J B	197	175		pg/g		86	76 - 136	6	20
1,2,3,4,7,8-HxCDF	ND		98.5	91.3		pg/g		93	73 - 127	7	20
1,2,3,6,7,8-HxCDF	0.10	J q	98.5	93.3		pg/g		95	77 - 126	4	20
2,3,4,6,7,8-HxCDF	0.18	J B q	98.5	93.5		pg/g		95	77 - 126	2	20
1,2,3,7,8,9-HxCDF	0.31	J	98.5	96.0		pg/g		97	77 - 125	1	20
1,2,3,4,6,7,8-HpCDF	0.69	J B q	98.5	94.9		pg/g		96	78 - 138	0	20
1,2,3,4,7,8,9-HpCDF	0.37	J B q	98.5	92.7		pg/g		94	76 - 123	1	20
OCDF	2.2	J B	197	186		pg/g		93	75 - 130	4	20

Isotope Dilution	*MSD %Recovery*	*MSD Qualifier*	*Limits*
13C-2,3,7,8-TCDD	*62*		*40 - 135*
13C-1,2,3,7,8-PeCDD	*69*		*40 - 135*
13C-1,2,3,6,7,8-HxCDD	*62*		*40 - 135*
13C-2,3,7,8-TCDF	*52*		*40 - 135*
13C-1,2,3,7,8-PeCDF	*64*		*40 - 135*

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Lab Sample ID: 280-175901-B-1-C MSD
Matrix: Solid
Analysis Batch: 678489

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 673787

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C-1,2,3,4,6,7,8-HpCDD	61		40 - 135
13C-1,2,3,4,7,8-HxCDF	50		40 - 135
13C-1,2,3,4,6,7,8-HpCDF	49		40 - 135
13C-OCDD	54		40 - 135
13C-OCDF	46		40 - 135
13C-1,2,3,7,8,9-HxCDF	49		40 - 135
13C-1,2,3,4,7,8-HxCDD	58		40 - 135
13C-1,2,3,6,7,8-HxCDF	56		40 - 135
13C-2,3,4,7,8-PeCDF	57		40 - 135
13C-2,3,4,6,7,8-HxCDF	57		40 - 135
13C-1,2,3,4,7,8,9-HpCDF	54		40 - 135

Lab Sample ID: 280-175901-B-1-D DU
Matrix: Solid
Analysis Batch: 678489

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 673787

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
2,3,7,8-TCDD	ND		ND		pg/g		NC	25
1,2,3,7,8-PeCDD	ND		ND		pg/g		NC	25
1,2,3,4,7,8-HxCDD	0.27	J B q	ND		pg/g		NC	25
1,2,3,6,7,8-HxCDD	ND		ND		pg/g		NC	25
1,2,3,7,8,9-HxCDD	ND		ND		pg/g		NC	25
2,3,7,8-TCDF	ND		ND		pg/g		NC	25
1,2,3,4,6,7,8-HpCDD	0.84	J B	0.944	J	pg/g		12	25
1,2,3,7,8-PeCDF	ND		ND		pg/g		NC	25
2,3,4,7,8-PeCDF	ND		ND		pg/g		NC	25
OCDD	4.6	J B	5.27	J	pg/g		13	25
1,2,3,4,7,8-HxCDF	ND		ND		pg/g		NC	25
1,2,3,6,7,8-HxCDF	0.10	J q	ND		pg/g		NC	25
Total TCDD	ND		ND		pg/g		NC	25
2,3,4,6,7,8-HxCDF	0.18	J B q	ND		pg/g		NC	25
Total TCDF	ND		ND		pg/g		NC	25
1,2,3,7,8,9-HxCDF	0.31	J	ND		pg/g		NC	25
Total PeCDD	ND		ND		pg/g		NC	25
Total PeCDF	ND		ND		pg/g		NC	25
1,2,3,4,6,7,8-HpCDF	0.69	J B q	0.575	J q	pg/g		18	25
Total HxCDD	0.27	J B q	ND		pg/g		NC	25
1,2,3,4,7,8,9-HpCDF	0.37	J B q	0.297	J q	pg/g		22	25
Total HxCDF	0.60	J B q	ND		pg/g		NC	25
Total HpCDD	1.3	J B q	1.50	J	pg/g		18	25
OCDF	2.2	J B	1.68	J F5	pg/g		26	25
Total HpCDF	1.4	J B q	1.33	J q	pg/g		8	25

Isotope Dilution	DU %Recovery	DU Qualifier	Limits
13C-2,3,7,8-TCDD	55		40 - 135
13C-1,2,3,7,8-PeCDD	65		40 - 135
13C-1,2,3,6,7,8-HxCDD	61		40 - 135
13C-2,3,7,8-TCDF	51		40 - 135
13C-1,2,3,7,8-PeCDF	58		40 - 135

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Lab Sample ID: 280-175901-B-1-D DU
Matrix: Solid
Analysis Batch: 678489

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 673787

Isotope Dilution	DU %Recovery	DU Qualifier	Limits
13C-1,2,3,4,6,7,8-HpCDD	67		40 - 135
13C-1,2,3,4,7,8-HxCDF	46		40 - 135
13C-1,2,3,4,6,7,8-HpCDF	51		40 - 135
13C-OCDD	56		40 - 135
13C-OCDF	47		40 - 135
13C-1,2,3,7,8,9-HxCDF	48		40 - 135
13C-1,2,3,4,7,8-HxCDD	56		40 - 135
13C-1,2,3,6,7,8-HxCDF	55		40 - 135
13C-2,3,4,7,8-PeCDF	53		40 - 135
13C-2,3,4,6,7,8-HxCDF	56		40 - 135
13C-1,2,3,4,7,8,9-HpCDF	56		40 - 135

Lab Sample ID: MB 320-675691/1-A
Matrix: Solid
Analysis Batch: 680038

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 675691

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		1.0	0.050	pg/g		05/18/23 08:09	06/04/23 20:11	1
1,2,3,7,8-PeCDD	ND		5.0	0.030	pg/g		05/18/23 08:09	06/04/23 20:11	1
1,2,3,4,7,8-HxCDD	0.328	J	5.0	0.044	pg/g		05/18/23 08:09	06/04/23 20:11	1
1,2,3,6,7,8-HxCDD	ND		5.0	0.042	pg/g		05/18/23 08:09	06/04/23 20:11	1
1,2,3,7,8,9-HxCDD	ND		5.0	0.041	pg/g		05/18/23 08:09	06/04/23 20:11	1
2,3,7,8-TCDF	ND		1.0	0.026	pg/g		05/18/23 08:09	06/04/23 20:11	1
1,2,3,4,6,7,8-HpCDD	0.179	J q	5.0	0.017	pg/g		05/18/23 08:09	06/04/23 20:11	1
1,2,3,7,8-PeCDF	0.0510	J	5.0	0.019	pg/g		05/18/23 08:09	06/04/23 20:11	1
2,3,4,7,8-PeCDF	0.0301	J q	5.0	0.023	pg/g		05/18/23 08:09	06/04/23 20:11	1
OCDD	0.725	J	10	0.035	pg/g		05/18/23 08:09	06/04/23 20:11	1
1,2,3,4,7,8-HxCDF	0.100	J	5.0	0.026	pg/g		05/18/23 08:09	06/04/23 20:11	1
1,2,3,6,7,8-HxCDF	0.0783	J q	5.0	0.023	pg/g		05/18/23 08:09	06/04/23 20:11	1
Total TCDD	ND		1.0	0.050	pg/g		05/18/23 08:09	06/04/23 20:11	1
2,3,4,6,7,8-HxCDF	0.0612	J q	5.0	0.020	pg/g		05/18/23 08:09	06/04/23 20:11	1
Total TCDF	ND		1.0	0.026	pg/g		05/18/23 08:09	06/04/23 20:11	1
1,2,3,7,8,9-HxCDF	0.0993	J	5.0	0.023	pg/g		05/18/23 08:09	06/04/23 20:11	1
Total PeCDD	ND		5.0	0.063	pg/g		05/18/23 08:09	06/04/23 20:11	1
Total PeCDF	0.0811	J q	5.0	0.021	pg/g		05/18/23 08:09	06/04/23 20:11	1
1,2,3,4,6,7,8-HpCDF	0.125	J	5.0	0.027	pg/g		05/18/23 08:09	06/04/23 20:11	1
Total HxCDD	0.328	J	5.0	0.042	pg/g		05/18/23 08:09	06/04/23 20:11	1
1,2,3,4,7,8,9-HpCDF	0.0867	J	5.0	0.028	pg/g		05/18/23 08:09	06/04/23 20:11	1
Total HxCDF	0.339	J q	5.0	0.023	pg/g		05/18/23 08:09	06/04/23 20:11	1
Total HpCDD	0.306	J q	5.0	0.017	pg/g		05/18/23 08:09	06/04/23 20:11	1
OCDF	0.403	J	10	0.033	pg/g		05/18/23 08:09	06/04/23 20:11	1
Total HpCDF	0.212	J	5.0	0.027	pg/g		05/18/23 08:09	06/04/23 20:11	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	79		40 - 135	05/18/23 08:09	06/04/23 20:11	1
13C-1,2,3,7,8-PeCDD	75		40 - 135	05/18/23 08:09	06/04/23 20:11	1
13C-1,2,3,6,7,8-HxCDD	76		40 - 135	05/18/23 08:09	06/04/23 20:11	1
13C-2,3,7,8-TCDF	88		40 - 135	05/18/23 08:09	06/04/23 20:11	1
13C-1,2,3,7,8-PeCDF	85		40 - 135	05/18/23 08:09	06/04/23 20:11	1

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-675691/1-A
Matrix: Solid
Analysis Batch: 680038

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 675691

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-1,2,3,4,6,7,8-HpCDD	81		40 - 135	05/18/23 08:09	06/04/23 20:11	1
13C-1,2,3,4,7,8-HxCDF	94		40 - 135	05/18/23 08:09	06/04/23 20:11	1
13C-1,2,3,4,6,7,8-HpCDF	82		40 - 135	05/18/23 08:09	06/04/23 20:11	1
13C-OCDD	79		40 - 135	05/18/23 08:09	06/04/23 20:11	1
13C-OCDF	91		40 - 135	05/18/23 08:09	06/04/23 20:11	1
13C-1,2,3,7,8,9-HxCDF	99		40 - 135	05/18/23 08:09	06/04/23 20:11	1
13C-1,2,3,4,7,8-HxCDD	78		40 - 135	05/18/23 08:09	06/04/23 20:11	1
13C-1,2,3,6,7,8-HxCDF	95		40 - 135	05/18/23 08:09	06/04/23 20:11	1
13C-2,3,4,7,8-PeCDF	78		40 - 135	05/18/23 08:09	06/04/23 20:11	1
13C-2,3,4,6,7,8-HxCDF	104		40 - 135	05/18/23 08:09	06/04/23 20:11	1
13C-1,2,3,4,7,8,9-HpCDF	90		40 - 135	05/18/23 08:09	06/04/23 20:11	1

Lab Sample ID: LCS 320-675691/2-A
Matrix: Solid
Analysis Batch: 680038

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 675691

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,3,7,8-TCDD	20.0	20.7		pg/g		104	73 - 141
1,2,3,7,8-PeCDD	100	98.1		pg/g		98	77 - 126
1,2,3,4,7,8-HxCDD	100	101		pg/g		101	73 - 126
1,2,3,6,7,8-HxCDD	100	104		pg/g		104	76 - 142
1,2,3,7,8,9-HxCDD	100	108		pg/g		108	70 - 136
2,3,7,8-TCDF	20.0	21.1		pg/g		106	71 - 153
1,2,3,4,6,7,8-HpCDD	100	97.7		pg/g		98	79 - 121
1,2,3,7,8-PeCDF	100	97.7		pg/g		98	72 - 128
2,3,4,7,8-PeCDF	100	98.7		pg/g		99	72 - 127
OCDD	200	197		pg/g		99	76 - 136
1,2,3,4,7,8-HxCDF	100	102		pg/g		102	73 - 127
1,2,3,6,7,8-HxCDF	100	97.5		pg/g		97	77 - 126
2,3,4,6,7,8-HxCDF	100	98.9		pg/g		99	77 - 126
1,2,3,7,8,9-HxCDF	100	96.4		pg/g		96	77 - 125
1,2,3,4,6,7,8-HpCDF	100	100		pg/g		100	78 - 138
1,2,3,4,7,8,9-HpCDF	100	96.5		pg/g		97	76 - 123
OCDF	200	204		pg/g		102	75 - 130

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C-2,3,7,8-TCDD	70		40 - 135
13C-1,2,3,7,8-PeCDD	67		40 - 135
13C-1,2,3,6,7,8-HxCDD	67		40 - 135
13C-2,3,7,8-TCDF	78		40 - 135
13C-1,2,3,7,8-PeCDF	75		40 - 135
13C-1,2,3,4,6,7,8-HpCDD	69		40 - 135
13C-1,2,3,4,7,8-HxCDF	85		40 - 135
13C-1,2,3,4,6,7,8-HpCDF	74		40 - 135
13C-OCDD	72		40 - 135
13C-OCDF	82		40 - 135
13C-1,2,3,7,8,9-HxCDF	86		40 - 135
13C-1,2,3,4,7,8-HxCDD	72		40 - 135
13C-1,2,3,6,7,8-HxCDF	85		40 - 135

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Lab Sample ID: LCS 320-675691/2-A
Matrix: Solid
Analysis Batch: 680038

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 675691

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C-2,3,4,7,8-PeCDF	72		40 - 135
13C-2,3,4,6,7,8-HxCDF	88		40 - 135
13C-1,2,3,4,7,8,9-HpCDF	78		40 - 135

Lab Sample ID: LCSD 320-675691/3-A
Matrix: Solid
Analysis Batch: 680038

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 675691

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,3,7,8-TCDD			20.0	20.8		pg/g		104	73 - 141	0	20
1,2,3,7,8-PeCDD			100	99.8		pg/g		100	77 - 126	2	20
1,2,3,4,7,8-HxCDD			100	107		pg/g		107	73 - 126	6	20
1,2,3,6,7,8-HxCDD			100	99.6		pg/g		100	76 - 142	5	20
1,2,3,7,8,9-HxCDD			100	114		pg/g		114	70 - 136	6	20
2,3,7,8-TCDF			20.0	21.3		pg/g		107	71 - 153	1	20
1,2,3,4,6,7,8-HpCDD			100	99.1		pg/g		99	79 - 121	1	20
1,2,3,7,8-PeCDF			100	101		pg/g		101	72 - 128	3	20
2,3,4,7,8-PeCDF			100	101		pg/g		101	72 - 127	2	20
OCDD			200	208		pg/g		104	76 - 136	5	20
1,2,3,4,7,8-HxCDF			100	102		pg/g		102	73 - 127	0	20
1,2,3,6,7,8-HxCDF			100	100		pg/g		100	77 - 126	3	20
2,3,4,6,7,8-HxCDF			100	98.7		pg/g		99	77 - 126	0	20
1,2,3,7,8,9-HxCDF			100	100		pg/g		100	77 - 125	4	20
1,2,3,4,6,7,8-HpCDF			100	102		pg/g		102	78 - 138	2	20
1,2,3,4,7,8,9-HpCDF			100	99.4		pg/g		99	76 - 123	3	20
OCDF			200	214		pg/g		107	75 - 130	5	20

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
13C-2,3,7,8-TCDD	68		40 - 135
13C-1,2,3,7,8-PeCDD	63		40 - 135
13C-1,2,3,6,7,8-HxCDD	66		40 - 135
13C-2,3,7,8-TCDF	76		40 - 135
13C-1,2,3,7,8-PeCDF	71		40 - 135
13C-1,2,3,4,6,7,8-HpCDD	66		40 - 135
13C-1,2,3,4,7,8-HxCDF	77		40 - 135
13C-1,2,3,4,6,7,8-HpCDF	67		40 - 135
13C-OCDD	67		40 - 135
13C-OCDF	77		40 - 135
13C-1,2,3,7,8,9-HxCDF	84		40 - 135
13C-1,2,3,4,7,8-HxCDD	65		40 - 135
13C-1,2,3,6,7,8-HxCDF	78		40 - 135
13C-2,3,4,7,8-PeCDF	66		40 - 135
13C-2,3,4,6,7,8-HxCDF	86		40 - 135
13C-1,2,3,4,7,8,9-HpCDF	75		40 - 135

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Lab Sample ID: 280-176200-21 MS
Matrix: Solid
Analysis Batch: 680038

Client Sample ID: DU03-230505-0.5
Prep Type: Total/NA
Prep Batch: 675691

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2,3,7,8-TCDD	10		19.5	31.7		pg/g		111	73 - 141
1,2,3,7,8-PeCDD	42		97.7	127	q	pg/g		88	77 - 126
1,2,3,4,7,8-HxCDD	13	B G	97.7	110	G	pg/g		98	73 - 126
1,2,3,6,7,8-HxCDD	350	F1 G	97.7	529	F1 G	pg/g		179	76 - 142
1,2,3,7,8,9-HxCDD	160	F1 G	97.7	281	G	pg/g		124	70 - 136
1,2,3,4,6,7,8-HpCDD	720	B G	97.7	1110	4 G	pg/g		402	79 - 121
1,2,3,7,8-PeCDF	1.1	J B q	97.7	97.5		pg/g		99	72 - 128
2,3,4,7,8-PeCDF	2.2	J B	97.7	98.0		pg/g		98	72 - 127
OCDD	750	F1 B	195	1190	F1	pg/g		226	76 - 136
1,2,3,4,7,8-HxCDF	6.8	B	97.7	110		pg/g		106	73 - 127
1,2,3,6,7,8-HxCDF	9.2	B	97.7	107		pg/g		100	77 - 126
2,3,4,6,7,8-HxCDF	8.1	B	97.7	109		pg/g		103	77 - 126
1,2,3,7,8,9-HxCDF	ND		97.7	99.7		pg/g		102	77 - 125
1,2,3,4,6,7,8-HpCDF	670	B G	97.7	1020	4 G	pg/g		361	78 - 138
1,2,3,4,7,8,9-HpCDF	12	B G	97.7	97.7	G	pg/g		88	76 - 123
OCDF	610	F1 B	195	1060	F1	pg/g		228	75 - 130

Isotope Dilution	*MS %Recovery*	*MS Qualifier*	*Limits*
13C-2,3,7,8-TCDD	*65*		*40 - 135*
13C-1,2,3,7,8-PeCDD	*63*		*40 - 135*
13C-1,2,3,6,7,8-HxCDD	*63*		*40 - 135*
13C-2,3,7,8-TCDF	*68*		*40 - 135*
13C-1,2,3,7,8-PeCDF	*70*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDD	*68*		*40 - 135*
13C-1,2,3,4,7,8-HxCDF	*76*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDF	*68*		*40 - 135*
13C-OCDD	*74*		*40 - 135*
13C-OCDF	*83*		*40 - 135*
13C-1,2,3,7,8,9-HxCDF	*80*		*40 - 135*
13C-1,2,3,4,7,8-HxCDD	*66*		*40 - 135*
13C-1,2,3,6,7,8-HxCDF	*75*		*40 - 135*
13C-2,3,4,7,8-PeCDF	*68*		*40 - 135*
13C-2,3,4,6,7,8-HxCDF	*81*		*40 - 135*
13C-1,2,3,4,7,8,9-HpCDF	*74*		*40 - 135*

Lab Sample ID: 280-176200-21 MSD
Matrix: Solid
Analysis Batch: 680038

Client Sample ID: DU03-230505-0.5
Prep Type: Total/NA
Prep Batch: 675691

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,3,7,8-TCDD	10		19.4	32.1		pg/g		114	73 - 141	1	20
1,2,3,7,8-PeCDD	42		96.8	131	q	pg/g		93	77 - 126	3	20
1,2,3,4,7,8-HxCDD	13	B G	96.8	114	G	pg/g		104	73 - 126	4	20
1,2,3,6,7,8-HxCDD	350	F1 G	96.8	568	F1 G	pg/g		221	76 - 142	7	20
1,2,3,7,8,9-HxCDD	160	F1 G	96.8	306	F1 G	pg/g		151	70 - 136	9	20
1,2,3,4,6,7,8-HpCDD	720	B G	96.8	1070	4 G	pg/g		364	79 - 121	4	20
1,2,3,7,8-PeCDF	1.1	J B q	96.8	96.2		pg/g		98	72 - 128	1	20
2,3,4,7,8-PeCDF	2.2	J B	96.8	98.1		pg/g		99	72 - 127	0	20
OCDD	750	F1 B	194	1120	F1	pg/g		192	76 - 136	6	20

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Lab Sample ID: 280-176200-21 MSD
Matrix: Solid
Analysis Batch: 680038

Client Sample ID: DU03-230505-0.5
Prep Type: Total/NA
Prep Batch: 675691

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,3,4,7,8-HxCDF	6.8	B	96.8	108		pg/g		105	73 - 127	2	20
1,2,3,6,7,8-HxCDF	9.2	B	96.8	105		pg/g		99	77 - 126	2	20
2,3,4,6,7,8-HxCDF	8.1	B	96.8	106		pg/g		101	77 - 126	3	20
1,2,3,7,8,9-HxCDF	ND		96.8	98.3		pg/g		102	77 - 125	1	20
1,2,3,4,6,7,8-HpCDF	670	B G	96.8	971	4 G	pg/g		315	78 - 138	5	20
1,2,3,4,7,8,9-HpCDF	12	B G	96.8	94.3	G	pg/g		85	76 - 123	4	20
OCDF	610	F1 B	194	1000	F1	pg/g		201	75 - 130	5	20

Isotope Dilution	*MSD %Recovery*	*MSD Qualifier*	*Limits*
13C-2,3,7,8-TCDD	*74*		*40 - 135*
13C-1,2,3,7,8-PeCDD	*70*		*40 - 135*
13C-1,2,3,6,7,8-HxCDD	*67*		*40 - 135*
13C-2,3,7,8-TCDF	*78*		*40 - 135*
13C-1,2,3,7,8-PeCDF	*79*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDD	*74*		*40 - 135*
13C-1,2,3,4,7,8-HxCDF	*80*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDF	*73*		*40 - 135*
13C-OCDD	*81*		*40 - 135*
13C-OCDF	*89*		*40 - 135*
13C-1,2,3,7,8,9-HxCDF	*87*		*40 - 135*
13C-1,2,3,4,7,8-HxCDD	*70*		*40 - 135*
13C-1,2,3,6,7,8-HxCDF	*80*		*40 - 135*
13C-2,3,4,7,8-PeCDF	*74*		*40 - 135*
13C-2,3,4,6,7,8-HxCDF	*89*		*40 - 135*
13C-1,2,3,4,7,8,9-HpCDF	*82*		*40 - 135*

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - RA

Lab Sample ID: 280-176200-21 MS
Matrix: Solid
Analysis Batch: 680723

Client Sample ID: DU03-230505-0.5
Prep Type: Total/NA
Prep Batch: 675691

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2,3,7,8-TCDF - RA	1.9		19.5	22.0		pg/g		103	71 - 153

Isotope Dilution	*MS %Recovery*	*MS Qualifier*	*Limits*
13C-2,3,7,8-TCDF - RA	*77*		*40 - 135*

Lab Sample ID: 280-176200-21 MSD
Matrix: Solid
Analysis Batch: 680723

Client Sample ID: DU03-230505-0.5
Prep Type: Total/NA
Prep Batch: 675691

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,3,7,8-TCDF - RA	1.9		19.4	22.8		pg/g		108	71 - 153	4	20

Isotope Dilution	*MSD %Recovery*	*MSD Qualifier*	*Limits*
13C-2,3,7,8-TCDF - RA	*85*		*40 - 135*

Specialty Organics

Prep Batch: 673787

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-3	DU05-SU06-230505-COMP01	Total/NA	Solid	8290	
280-176200-4	DU05-SU06-230505-COMP02	Total/NA	Solid	8290	
MB 320-673787/1-A	Method Blank	Total/NA	Solid	8290	
LCS 320-673787/2-A	Lab Control Sample	Total/NA	Solid	8290	
LCSD 320-673787/3-A	Lab Control Sample Dup	Total/NA	Solid	8290	
280-175901-B-1-B MS	Matrix Spike	Total/NA	Solid	8290	
280-175901-B-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8290	
280-175901-B-1-D DU	Duplicate	Total/NA	Solid	8290	

Prep Batch: 675691

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-15 - RA	DU01-230504-0.5	Total/NA	Solid	8290	
280-176200-15	DU01-230504-0.5	Total/NA	Solid	8290	
280-176200-16 - RA	DU01-230504-0.5-Rep1	Total/NA	Solid	8290	
280-176200-16	DU01-230504-0.5-Rep1	Total/NA	Solid	8290	
280-176200-17 - RA	DU01-230504-0.5-Rep2	Total/NA	Solid	8290	
280-176200-17	DU01-230504-0.5-Rep2	Total/NA	Solid	8290	
280-176200-18 - RA	DU02-230504-0.5	Total/NA	Solid	8290	
280-176200-18	DU02-230504-0.5	Total/NA	Solid	8290	
280-176200-21 - RA	DU03-230505-0.5	Total/NA	Solid	8290	
280-176200-21	DU03-230505-0.5	Total/NA	Solid	8290	
280-176200-22 - RA	DU03-230505-0.5-Rep1	Total/NA	Solid	8290	
280-176200-22	DU03-230505-0.5-Rep1	Total/NA	Solid	8290	
280-176200-23 - RA	DU03-230505-0.5-Rep2	Total/NA	Solid	8290	
280-176200-23	DU03-230505-0.5-Rep2	Total/NA	Solid	8290	
MB 320-675691/1-A	Method Blank	Total/NA	Solid	8290	
LCS 320-675691/2-A	Lab Control Sample	Total/NA	Solid	8290	
LCSD 320-675691/3-A	Lab Control Sample Dup	Total/NA	Solid	8290	
280-176200-21 MS - RA	DU03-230505-0.5	Total/NA	Solid	8290	
280-176200-21 MS	DU03-230505-0.5	Total/NA	Solid	8290	
280-176200-21 MSD - RA	DU03-230505-0.5	Total/NA	Solid	8290	
280-176200-21 MSD	DU03-230505-0.5	Total/NA	Solid	8290	

Analysis Batch: 678488

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-3	DU05-SU06-230505-COMP01	Total/NA	Solid	8290A	673787
280-176200-4	DU05-SU06-230505-COMP02	Total/NA	Solid	8290A	673787
MB 320-673787/1-A	Method Blank	Total/NA	Solid	8290A	673787
LCS 320-673787/2-A	Lab Control Sample	Total/NA	Solid	8290A	673787
LCSD 320-673787/3-A	Lab Control Sample Dup	Total/NA	Solid	8290A	673787

Analysis Batch: 678489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-175901-B-1-B MS	Matrix Spike	Total/NA	Solid	8290A	673787
280-175901-B-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8290A	673787
280-175901-B-1-D DU	Duplicate	Total/NA	Solid	8290A	673787

Analysis Batch: 680038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-15	DU01-230504-0.5	Total/NA	Solid	8290A	675691
280-176200-16	DU01-230504-0.5-Rep1	Total/NA	Solid	8290A	675691

Specialty Organics (Continued)

Analysis Batch: 680038 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-17	DU01-230504-0.5-Rep2	Total/NA	Solid	8290A	675691
280-176200-18	DU02-230504-0.5	Total/NA	Solid	8290A	675691
280-176200-21	DU03-230505-0.5	Total/NA	Solid	8290A	675691
280-176200-22	DU03-230505-0.5-Rep1	Total/NA	Solid	8290A	675691
280-176200-23	DU03-230505-0.5-Rep2	Total/NA	Solid	8290A	675691
MB 320-675691/1-A	Method Blank	Total/NA	Solid	8290A	675691
LCS 320-675691/2-A	Lab Control Sample	Total/NA	Solid	8290A	675691
LCSD 320-675691/3-A	Lab Control Sample Dup	Total/NA	Solid	8290A	675691
280-176200-21 MS	DU03-230505-0.5	Total/NA	Solid	8290A	675691
280-176200-21 MSD	DU03-230505-0.5	Total/NA	Solid	8290A	675691

Analysis Batch: 680723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-15 - RA	DU01-230504-0.5	Total/NA	Solid	8290A	675691
280-176200-16 - RA	DU01-230504-0.5-Rep1	Total/NA	Solid	8290A	675691
280-176200-17 - RA	DU01-230504-0.5-Rep2	Total/NA	Solid	8290A	675691
280-176200-18 - RA	DU02-230504-0.5	Total/NA	Solid	8290A	675691
280-176200-21 - RA	DU03-230505-0.5	Total/NA	Solid	8290A	675691
280-176200-22 - RA	DU03-230505-0.5-Rep1	Total/NA	Solid	8290A	675691
280-176200-23 - RA	DU03-230505-0.5-Rep2	Total/NA	Solid	8290A	675691
280-176200-21 MS - RA	DU03-230505-0.5	Total/NA	Solid	8290A	675691
280-176200-21 MSD - RA	DU03-230505-0.5	Total/NA	Solid	8290A	675691

General Chemistry

Analysis Batch: 611989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-A-20 MS	Matrix Spike	Total/NA	Solid	Increment, prep	
280-176200-A-20 MSD	Matrix Spike Duplicate	Total/NA	Solid	Increment, prep	

Analysis Batch: 611993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-176200-15	DU01-230504-0.5	Total/NA	Solid	Increment, prep	
280-176200-16	DU01-230504-0.5-Rep1	Total/NA	Solid	Increment, prep	
280-176200-17	DU01-230504-0.5-Rep2	Total/NA	Solid	Increment, prep	
280-176200-18	DU02-230504-0.5	Total/NA	Solid	Increment, prep	
280-176200-21	DU03-230505-0.5	Total/NA	Solid	Increment, prep	
280-176200-22	DU03-230505-0.5-Rep1	Total/NA	Solid	Increment, prep	
280-176200-23	DU03-230505-0.5-Rep2	Total/NA	Solid	Increment, prep	
280-176200-21 MS	DU03-230505-0.5	Total/NA	Solid	Increment, prep	
280-176200-21 MSD	DU03-230505-0.5	Total/NA	Solid	Increment, prep	

Lab Chronicle

Client: SCS Engineers
Project/Site: Croman Mill Site, Ashland, Oregon

Job ID: 280-176200-2

Client Sample ID: DU05-SU06-230505-COMP01

Date Collected: 05/05/23 10:20
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-3

Matrix: Solid
Percent Solids: 82.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			10.90 g	20.0 uL	673787	05/11/23 10:19	CB	EET SAC
Total/NA	Analysis	8290A		1	1 Sample	1 Sample	678488	05/29/23 04:50	KSS	EET SAC

Client Sample ID: DU05-SU06-230505-COMP02

Date Collected: 05/05/23 10:25
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-4

Matrix: Solid
Percent Solids: 83.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			10.34 g	20.0 uL	673787	05/11/23 10:19	CB	EET SAC
Total/NA	Analysis	8290A		1	1 Sample	1 Sample	678488	05/29/23 05:38	KSS	EET SAC

Client Sample ID: DU01-230504-0.5

Date Collected: 05/04/23 16:15
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-15

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290	RA		10.12 g	20.0 uL	675691	05/18/23 08:09	CB	EET SAC
Total/NA	Analysis	8290A	RA	1	1 uL	1 uL	680723	06/06/23 17:04	DB	EET SAC
Total/NA	Prep	8290			10.12 g	20.0 uL	675691	05/18/23 08:09	CB	EET SAC
Total/NA	Analysis	8290A		1	1 Sample	1 Sample	680038	06/04/23 22:34	DB	EET SAC
Total/NA	Analysis	Increment, prep		1			611993	05/10/23 14:50	EKB	EET DEN

Client Sample ID: DU01-230504-0.5-Rep1

Date Collected: 05/04/23 16:25
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-16

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290	RA		10.21 g	20.0 uL	675691	05/18/23 08:09	CB	EET SAC
Total/NA	Analysis	8290A	RA	1	1 uL	1 uL	680723	06/06/23 17:47	DB	EET SAC
Total/NA	Prep	8290			10.21 g	20.0 uL	675691	05/18/23 08:09	CB	EET SAC
Total/NA	Analysis	8290A		1	1 Sample	1 Sample	680038	06/04/23 23:22	DB	EET SAC
Total/NA	Analysis	Increment, prep		1			611993	05/10/23 14:50	EKB	EET DEN

Client Sample ID: DU01-230504-0.5-Rep2

Date Collected: 05/04/23 16:35
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290	RA		10.35 g	20.0 uL	675691	05/18/23 08:09	CB	EET SAC
Total/NA	Analysis	8290A	RA	1	1 uL	1 uL	680723	06/06/23 18:30	DB	EET SAC
Total/NA	Prep	8290			10.35 g	20.0 uL	675691	05/18/23 08:09	CB	EET SAC
Total/NA	Analysis	8290A		1	1 Sample	1 Sample	680038	06/05/23 00:09	DB	EET SAC
Total/NA	Analysis	Increment, prep		1			611993	05/10/23 14:50	EKB	EET DEN

Lab Chronicle

Client: SCS Engineers
Project/Site: Croman Mill Site, Ashland, Oregon

Job ID: 280-176200-2

Client Sample ID: DU02-230504-0.5

Date Collected: 05/04/23 17:00
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-18

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290	RA		10.17 g	20.0 uL	675691	05/18/23 08:09	CB	EET SAC
Total/NA	Analysis	8290A	RA	1	1 uL	1 uL	680723	06/06/23 19:13	DB	EET SAC
Total/NA	Prep	8290			10.17 g	20.0 uL	675691	05/18/23 08:09	CB	EET SAC
Total/NA	Analysis	8290A		1	1 Sample	1 Sample	680038	06/05/23 00:57	DB	EET SAC
Total/NA	Analysis	Increment, prep		1			611993	05/10/23 14:50	EKB	EET DEN

Client Sample ID: DU03-230505-0.5

Date Collected: 05/05/23 11:15
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-21

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290	RA		10.29 g	20.0 uL	675691	05/18/23 08:09	CB	EET SAC
Total/NA	Analysis	8290A	RA	1	1 uL	1 uL	680723	06/06/23 19:57	DB	EET SAC
Total/NA	Prep	8290			10.29 g	20.0 uL	675691	05/18/23 08:09	CB	EET SAC
Total/NA	Analysis	8290A		1	1 Sample	1 Sample	680038	06/05/23 01:44	DB	EET SAC
Total/NA	Analysis	Increment, prep		1			611993	05/10/23 14:50	EKB	EET DEN

Client Sample ID: DU03-230505-0.5-Rep1

Date Collected: 05/05/23 11:20
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-22

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290	RA		10.19 g	20.0 uL	675691	05/18/23 08:09	CB	EET SAC
Total/NA	Analysis	8290A	RA	1	1 uL	1 uL	680723	06/06/23 22:06	DB	EET SAC
Total/NA	Prep	8290			10.19 g	20.0 uL	675691	05/18/23 08:09	CB	EET SAC
Total/NA	Analysis	8290A		1	1 Sample	1 Sample	680038	06/05/23 04:07	DB	EET SAC
Total/NA	Analysis	Increment, prep		1			611993	05/10/23 14:50	EKB	EET DEN

Client Sample ID: DU03-230505-0.5-Rep2

Date Collected: 05/05/23 11:25
Date Received: 05/09/23 09:15

Lab Sample ID: 280-176200-23

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290	RA		10.66 g	20.0 uL	675691	05/18/23 08:09	CB	EET SAC
Total/NA	Analysis	8290A	RA	1	1 uL	1 uL	680723	06/06/23 22:49	DB	EET SAC
Total/NA	Prep	8290			10.66 g	20.0 uL	675691	05/18/23 08:09	CB	EET SAC
Total/NA	Analysis	8290A		1	1 Sample	1 Sample	680038	06/05/23 04:55	DB	EET SAC
Total/NA	Analysis	Increment, prep		1			611993	05/10/23 14:50	EKB	EET DEN

Laboratory References:

EET DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Accreditation/Certification Summary

Client: SCS Engineers
Job ID: 280-176200-2
Project/Site: Croman Mill Site, Ashland, Oregon

Laboratory: Eurofins Denver

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

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4025-011	01-10-24

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

Analysis Method	Prep Method	Matrix	Analyte
Increment, prep		Solid	Incremented sample generated

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-23
Arkansas DEQ	State	88-0691	06-17-23
California	State	2897	01-22-24
Colorado	State	CA0004	08-31-23
Florida	NELAP	E87570	06-30-23
Georgia	State	4040	01-29-24
Hawaii	State	<cert No.>	01-29-24
Illinois	NELAP	200060	03-17-24
Kansas	NELAP	E-10375	10-31-23
Louisiana	NELAP	01944	06-30-23
Louisiana (All)	NELAP	01944	06-30-23
Maine	State	CA00004	04-14-24
Nevada	State	CA00044	07-31-23
New Hampshire	NELAP	2997	04-18-24
New Jersey	NELAP	CA005	06-30-23
New York	NELAP	11666	04-01-24
Ohio	State	41252	01-29-24
Oregon	NELAP	4040	01-29-24
Texas	NELAP	T104704399-19-13	05-31-24
US Fish & Wildlife	US Federal Programs	58448	04-30-24
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442021-12	02-28-24
Virginia	NELAP	460278	03-14-24
Washington	State	C581	05-05-23 *
West Virginia (DW)	State	9930C	12-31-23
Wisconsin	State	998204680	08-31-23
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Seattle
5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gardner, Matthew O	Carrier Tracking No(s):	COC No: 580-119651.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Matthew.Gardner@et.eurofinsus.com	State of Origin: Oregon	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Oregon		Job #: 280-176200-1
Address: 4955 Yarrow Street, ,	Due Date Requested: 5/11/2023			
City: Arvada	TAT Requested (days):			
State, Zip: CO, 80002				
Phone: 303-736-0100(Tel) 303-431-7171(Fax)	PO #:			
Email:	WO #:			
Project Name: Croman Mill Site, Ashland, Oregon	Project #: 28023587			
Site:	SSOW#:			

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)

Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270D_SIM/3546 Standard SIM List	6010D/3050B RCRA Metals	Moisture	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
B03-17 (280-176200-7)	5/3/23	13:15 Pacific		Solid			X	X	X	1	
B02-8 (280-176200-8)	5/3/23	13:30 Pacific		Solid			X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:
Empty Kit Relinquished by:	Date: Time: Method of Shipment:

Relinquished by:	Date/Time: 5/11/23 1500	Company ET	Received by:	Date/Time: 5/12/23 1010	Company ELAP
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:
	Cooler Temperature(s) °C and Other Remarks: 4.0 IR GUN

Ver: 06/08/2021

ORIGIN ID:BNOA (503) 639-9548
HEATHER WILLIAMS
SCS ENGINEERS
15940 SW 72ND AVENUE

PORTLAND, OR 97224
UNITED STATES US

SHIP DATE: 02MAY23
ACTWGT: 50.00 LB
CAD: 110973958/INET4610

BILL SENDER

TO SAMPLE RECEIVING
EUROFINS LABS-COLORADO
4955 YARROW ST

ARVADA CO 80002
(303) 736-0100 REF: 04222021.00 TASK 2
INV:
PO: DEPT:

583J3/2BC3/FE2D

FedEx Express

FedEx
MPS# 0263 7719 4548 7998

TUE - 09 MAY 10:30A
PRIORITY OVERNIGHT

XA LAAA

80002
CO-US DEN

Ref # 156297-435 RRDEL EXP 09/23

#4839963 05/08 583J3/2BC3/FE2D

280-176200 Waybill

FedEx Ship Manager - Print Your Label(s)

4/24/23, 2:19 PM

Eurofins Denver
4955 Yarrow Street
Arvada, CO 80002
Phone: 303-736-0100 Fax: 303-431-7171

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Gardner, Matthew O	Carrier Tracking No(s):	COC No: 280-656101.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Matthew.Gardner@et.eurofinsus.com	State of Origin: Oregon	Page: Page 1 of 1
Company: Eurofins Environment Testing Northern Ca		Accreditations Required (See note): NELAP - Oregon		Job #: 280-176200-2
Address: 880 Riverside Parkway, ,	Due Date Requested: 6/6/2023			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Croman Mill Site, Ashland, Oregon	Project #: 28023587			
Site:	SSOW#:			

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8290A/ISM_AC 17 Isomers & Totals	8290A/8290_P_Sox 17 Isomers & Totals	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
DU01-230504-0.5 (280-176200-15)	5/4/23	16:15 Pacific		Solid			X	X	1	ISM Lab Prep, No Grinding
DU01-230504-0.5-Rep1 (280-176200-16)	5/4/23	16:25 Pacific		Solid			X	X	1	ISM Lab Prep, No Grinding
DU01-230504-0.5-Rep2 (280-176200-17)	5/4/23	16:35 Pacific		Solid			X	X	1	ISM Lab Prep, No Grinding
DU02-230504-0.5 (280-176200-18)	5/4/23	17:00 Pacific		Solid			X	X	1	ISM Lab Prep, No Grinding
DU03-230505-0.5 (280-176200-21)	5/5/23	11:15 Pacific		Solid			X	X	1	ISM Lab Prep, No Grinding
DU03-230505-0.5-Rep1 (280-176200-22)	5/5/23	11:20 Pacific		Solid			X	X	1	ISM Lab Prep, No Grinding
DU03-230505-0.5-Rep2 (280-176200-23)	5/5/23	11:25 Pacific		Solid			X	X	1	ISM Lab Prep, No Grinding

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		5/5/23 1610	EMDEN		5/16/23 930	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: Seal | Cooler Temperature(s) °C and Other Remarks: 1.2c

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 280-176200-2

Login Number: 176200
List Number: 1
Creator: Roehsner, Karen P

List Source: Eurofins Denver

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
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)	False	Refer to Job Narrative for details.
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").	False	Narrative to indicate if headspace container used for analysis.
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 280-176200-2

Login Number: 176200
List Number: 2
Creator: Simmons, Jason C

List Source: Eurofins Sacramento
List Creation: 05/10/23 01:35 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	Seal
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	1.8c
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?	N/A	Received project as a subcontract.
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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 280-176200-2

Login Number: 176200
List Number: 4
Creator: Guzman, Juan

List Source: Eurofins Sacramento
List Creation: 05/13/23 03:45 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
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.	False	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	21.3
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?	False	Received project as a subcontract.
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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Isotope Dilution Summary

Client: SCS Engineers
Project/Site: Croman Mill Site, Ashland, Oregon

Job ID: 280-176200-2

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Matrix: Solid

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	TCDD (40-135)	PeCDD (40-135)	HxDD (40-135)	TCDF (40-135)	PeCDF (40-135)	HpCDD (40-135)	HxCDF (40-135)	HpCDF (40-135)
280-175901-B-1-B MS	Matrix Spike	56	66	49	44	58	53	39 *5-	40
280-175901-B-1-C MSD	Matrix Spike Duplicate	62	69	62	52	64	61	50	49
280-175901-B-1-D DU	Duplicate	55	65	61	51	58	67	46	51
280-176200-3	DU05-SU06-230505-COMP01	60	70	66	50	57	70	53	58
280-176200-4	DU05-SU06-230505-COMP02	56	62	58	48	56	66	48	52
280-176200-15	DU01-230504-0.5	67	65	63	75	72	67	77	66
280-176200-15 - RA	DU01-230504-0.5				69				
280-176200-16	DU01-230504-0.5-Rep1	70	64	63	74	73	72	75	66
280-176200-16 - RA	DU01-230504-0.5-Rep1				77				
280-176200-17	DU01-230504-0.5-Rep2	55	50	49	60	56	53	59	52
280-176200-17 - RA	DU01-230504-0.5-Rep2				55				
280-176200-18	DU02-230504-0.5	70	66	67	68 q	74	70	79	70
280-176200-18 - RA	DU02-230504-0.5				80				
280-176200-21	DU03-230505-0.5	75	69	70	81	83	76	86	72
280-176200-21 - RA	DU03-230505-0.5				84				
280-176200-21 MS	DU03-230505-0.5	65	63	63	68	70	68	76	68
280-176200-21 MS - RA	DU03-230505-0.5				77				
280-176200-21 MSD	DU03-230505-0.5	74	70	67	78	79	74	80	73
280-176200-21 MSD - RA	DU03-230505-0.5				85				
280-176200-22	DU03-230505-0.5-Rep1	69	67	65	74	73	71	75	68
280-176200-22 - RA	DU03-230505-0.5-Rep1				88				
280-176200-23	DU03-230505-0.5-Rep2	72	68	69	76	76	70	80	69
280-176200-23 - RA	DU03-230505-0.5-Rep2				72 q				
LCS 320-673787/2-A	Lab Control Sample	58	68	61	49	61	72	52	59
LCS 320-675691/2-A	Lab Control Sample	70	67	67	78	75	69	85	74
LCSD 320-673787/3-A	Lab Control Sample Dup	58	75	65	49	62	70	53	58
LCSD 320-675691/3-A	Lab Control Sample Dup	68	63	66	76	71	66	77	67
MB 320-673787/1-A	Method Blank	66	68	70	53	69	76	60	68
MB 320-675691/1-A	Method Blank	79	75	76	88	85	81	94	82

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	OCDD (40-135)	OCDF (40-135)	HxCF (40-135)	HxCDD (40-135)	HxDF (40-135)	PeCF (40-135)	13CHxCF (40-135)	HpCDF2 (40-135)
280-175901-B-1-B MS	Matrix Spike	43	37 *5-	44	47	45	51	50	46
280-175901-B-1-C MSD	Matrix Spike Duplicate	54	46	49	58	56	57	57	54
280-175901-B-1-D DU	Duplicate	56	47	48	56	55	53	56	56
280-176200-3	DU05-SU06-230505-COMP01	67	57	51	63	60	57	61	60
280-176200-4	DU05-SU06-230505-COMP02	63	54	50	56	54	52	56	58
280-176200-15	DU01-230504-0.5	73	80	82	65	78	67	85	74
280-176200-15 - RA	DU01-230504-0.5								
280-176200-16	DU01-230504-0.5-Rep1	82	88	87	66	74	67	88	80
280-176200-16 - RA	DU01-230504-0.5-Rep1								
280-176200-17	DU01-230504-0.5-Rep2	58	64	66	51	60	53	67	60
280-176200-17 - RA	DU01-230504-0.5-Rep2								
280-176200-18	DU02-230504-0.5	75	84	82	68	79	71	85	78
280-176200-18 - RA	DU02-230504-0.5								
280-176200-21	DU03-230505-0.5	78	85	93	70	83	77	93	83
280-176200-21 - RA	DU03-230505-0.5								
280-176200-21 MS	DU03-230505-0.5	74	83	80	66	75	68	81	74
280-176200-21 MS - RA	DU03-230505-0.5								

Isotope Dilution Summary

Client: SCS Engineers
Project/Site: Croman Mill Site, Ashland, Oregon

Job ID: 280-176200-2

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Matrix: Solid

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	OCDD (40-135)	OCDF (40-135)	HxCF (40-135)	HxCDD (40-135)	HxDF (40-135)	PeCF (40-135)	13CHxCF (40-135)	HpCDF2 (40-135)
280-176200-21 MSD	DU03-230505-0.5	81	89	87	70	80	74	89	82
280-176200-21 MSD - RA	DU03-230505-0.5								
280-176200-22	DU03-230505-0.5-Rep1	74	83	84	63	74	69	85	79
280-176200-22 - RA	DU03-230505-0.5-Rep1								
280-176200-23	DU03-230505-0.5-Rep2	71	81	85	68	79	72	87	79
280-176200-23 - RA	DU03-230505-0.5-Rep2								
LCS 320-673787/2-A	Lab Control Sample	69	60	57	60	63	52	64	62
LCS 320-675691/2-A	Lab Control Sample	72	82	86	72	85	72	88	78
LCSD 320-673787/3-A	Lab Control Sample Dup	65	55	52	63	61	60	61	59
LCSD 320-675691/3-A	Lab Control Sample Dup	67	77	84	65	78	66	86	75
MB 320-673787/1-A	Method Blank	71	61	56	70	71	64	66	66
MB 320-675691/1-A	Method Blank	79	91	99	78	95	78	104	90

Surrogate Legend

TCDD = 13C-2,3,7,8-TCDD
PeCDD = 13C-1,2,3,7,8-PeCDD
HxDD = 13C-1,2,3,6,7,8-HxCDD
TCDF = 13C-2,3,7,8-TCDF
PeCDF = 13C-1,2,3,7,8-PeCDF
HpCDD = 13C-1,2,3,4,6,7,8-HpCDD
HxCDF = 13C-1,2,3,4,7,8-HxCDF
HpCDF = 13C-1,2,3,4,6,7,8-HpCDF
OCDD = 13C-OCDD
OCDF = 13C-OCDF
HxCF = 13C-1,2,3,7,8,9-HxCDF
HxCDD = 13C-1,2,3,4,7,8-HxCDD
HxDF = 13C-1,2,3,6,7,8-HxCDF
PeCF = 13C-2,3,4,7,8-PeCDF
13CHxCF = 13C-2,3,4,6,7,8-HxCDF
HpCDF2 = 13C-1,2,3,4,7,8,9-HpCDF

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Sacramento
Sample Receiving Notes

280-176200 Field Sheet

Job: _____

Tracking # : 6425-0004-7196

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: L-03 Corr. Factor: (+ / -) 0 °C

Ice _____ Wet _____ Gel _____ Other NONE

Cooler Custody Seal: _____

Cooler ID: 2 of 2

Temp Observed: 21.3 °C Corrected: 21.3 °C

From: Temp Blank ☐ Sample ☒

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☒	☐

Initials: JLr Date: 5/13/23

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
Containers are not broken or leaking?	☒	☐	☐
Sample custody seal?	☐	☒	☐
Sample containers have legible labels?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☐	☒
Is the Field Sampler's name on COC?	☐	☐	☒
Samples require splitting/compositing?	☐	☐	☒
Samples w/o discrepancies?	☒	☐	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

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

Initials: JLr Date: 5/13/23

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
Samples received within hold time?	☒	☐	☐
NCM Filed?	☐	☒	☐
Log Release checked in TALS?	☐	☐	☒

Initials: JLr Date: 5/13/23

ISM_A_DD_SI_SS Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 280-611993

Analyst: Bunzli, Eric K

Batch Open: 5/10/2023 2:50:00PM

Batch End: 5/12/2023 1:46:00PM

Batch Notes

First Start time	05/10/2023 14:50
First End time	05/12/2023 13:47
Date and Time laid out to Dry	05/10/2023 17:09
Date and Time When Sieved	05/11/2023 19:51
Laid out on Parchment or Foil	Parchment
Mesh Size of Seive	10
Analyst ID - Sieving	MLT
Analyst ID - Label Check	Reviewer: MLT
Balance ID	38602403, 24750399
Digestion Tube/Cup ID	NA
SOP Number	DV-OP-0013
Batch Comment	10g to Sacramento for 8290; tower: Nano

Comments

ISM_A_DD_SI_SS Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 280-611993

Analyst: Bunzli, Eric K

Batch Open: 5/10/2023 2:50:00PM

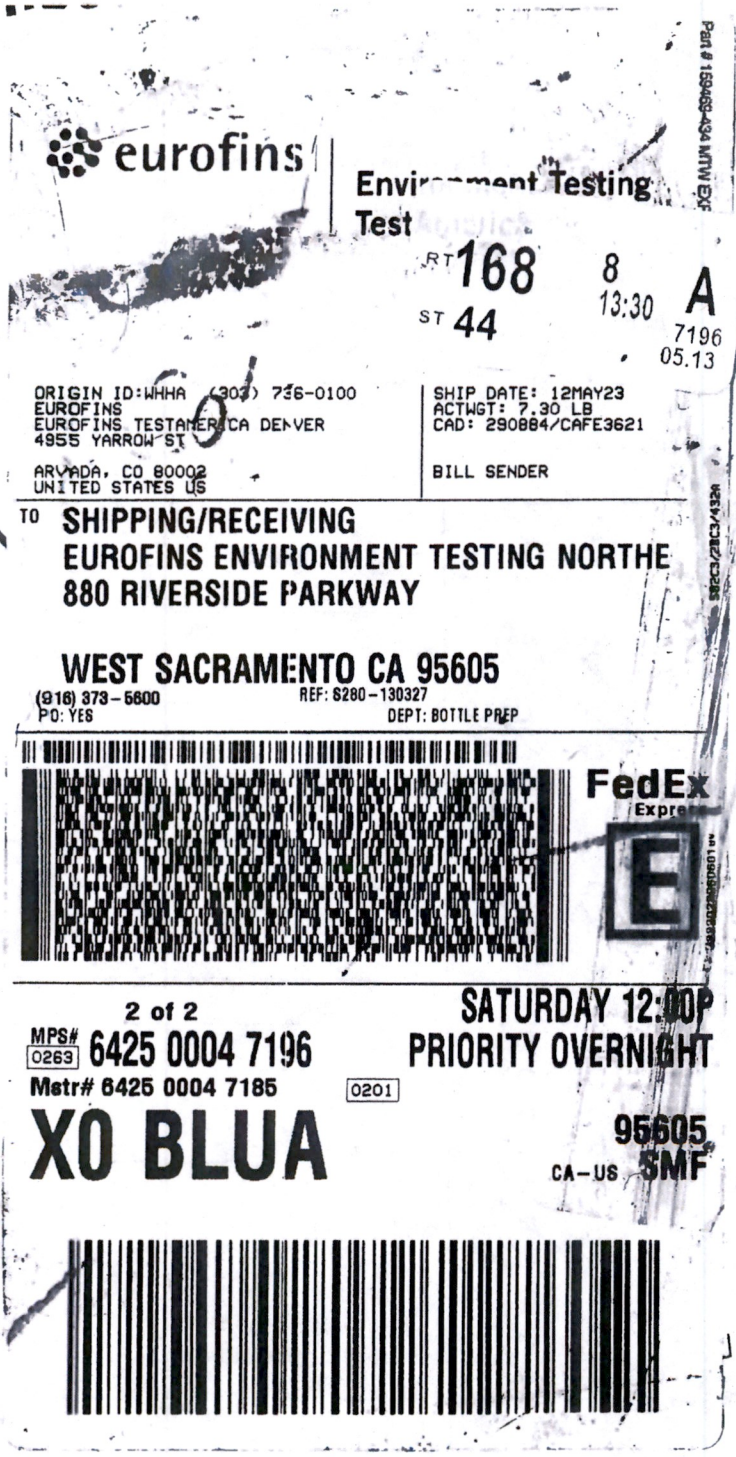
Batch End: 5/12/2023 1:46:00PM

Reagent Additions Worksheet

Lab ID	Reagent Code	Amount Added	Final Amount	By	Witness

Other Reagents:

Reagent	Amount/Units	Lot#:



eurofins | Environment Testing
Test

RT 168 8
ST 44 13:30 A
7196
05.13

ORIGIN ID:WHHA (303) 736-0100
EUROFINS
EUROFINS TESTAMERICA DENVER
4955 YARROW ST

ARVADA, CO 80002
UNITED STATES US

SHIP DATE: 12MAY23
ACTWGT: 7.30 LB
CAD: 290884/CAFE3621

BILL SENDER

TO SHIPPING/RECEIVING
EUROFINS ENVIRONMENT TESTING NORTHE
880 RIVERSIDE PARKWAY

WEST SACRAMENTO CA 95605
(916) 373-5600 REF: 8280-130327
PO: YES DEPT: BOTTLE PREP

FedEx Express

2 of 2
MPS# 0263 6425 0004 7196
Mstr# 6425 0004 7185
0201

SATURDAY 12:00P
PRIORITY OVERNIGHT

XO BLUA

95605
CA-US SMF

eurofins | Environment Testing TestAmerica

Sacramento
Sample Receiving Notes

280-176200 Field Sheet

Job: _____

Tracking # : 6485000430S8

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: L-06 Corr. Factor: (+ / -) — °C

Ice 1 Wet 1 Gel _____ Other _____

Cooler Custody Seal: Seal

Cooler ID: _____

Temp Observed: 1.2 °C Corrected: 1.2 °C

From: Temp Blank ☐ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: [illegible] Date: 5.16.23

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Containers are not broken or leaking?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Is the Field Sampler's name on COC?	☐	☐	☑
Samples require splitting/compositing?	☐	☐	☑
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

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

Initials: [illegible] Date: 5.16.23

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials: [illegible] Date: 5.16.23

SCS ENGINEERS
Environmental Consultants and Contractors
15940 SW 72nd Avenue
Portland, Oregon 97224
(503) 639-9201 FAX: (503) 684-6948

PROJECT NO.	DES BY
04222021.00	L.E.L.
SCALE	CHK BY.
AS SHOWN	B.L.
CAD FILE	APP BY
FIGURE 4-1	S.L.

SITE PLAN

CROMAN PROPERTY
146 MISTLETOE ROAD
ASHLAND, OREGON 97520

DATE
FEBRUARY 2023

FIGURE
4-1

From: CHAVEZ Anthony * DEQ <Anthony.CHAVEZ@deq.oregon.gov>
Sent: Monday, July 17, 2023 02:17 PM
To: Greg Aitken <greg.aitken@external.ashland.or.us>
Cc: HANSON Don * DEQ <Don.HANSON@deq.oregon.gov>; SHULTZ Brad * DEQ <Brad.Shultz@deq.oregon.gov>; ZANNI Jason * DEQ <Jason.ZANNI@deq.oregon.gov>; Brandon Goldman <brandon.goldman@ashland.or.us>; Derek Severson <derek.severson@ashland.or.us>; SAWKA Nancy * DEQ <Nancy.SAWKA@deq.oregon.gov>
Subject: RE: July 31 Ashland city council study session re: former Croman Mill

[EXTERNAL SENDER]
Hi Greg, please see embedded DEQ responses below **in blue bold**.

Thank you,
Anthony

From: Greg Aitken <greg.aitken@external.ashland.or.us>
Sent: Monday, July 17, 2023 9:34 AM
To: CHAVEZ Anthony * DEQ <Anthony.CHAVEZ@deq.oregon.gov>
Cc: HANSON Don * DEQ <Don.HANSON@deq.oregon.gov>; SHULTZ Brad * DEQ <Brad.Shultz@deq.oregon.gov>; ZANNI Jason * DEQ <jason.zanni@deq.oregon.gov>; Brandon Goldman <brandon.goldman@ashland.or.us>; Derek Severson <derek.severson@ashland.or.us>
Subject: July 31 Ashland city council study session re: former Croman Mill

Thank you for the preliminary report, Anthony, and your assistance in making good progress with environmental site investigation of the former Croman property.

By this Thursday, July 20, City staff need to produce an information packet for Council members that includes a simplified plain language summary of the preliminary results. Are you able to generate something along these lines, along with a site plan showing sampling locations? We would also like to include this on our city website for public information about the Croman project.

1. Please include the property owner's estimated schedule for the submittal of the interim remedial action workplan to DEQ, and the anticipated schedule for interim actions.
   We have inquired with Croman's consultant and will follow up when a response is received. The work plan is anticipated quickly, as their contractor has some time this summer.
2. The reported dioxin and TPH results indicate that it would be prudent to sample downgradient surface water in order to rule out off-site impacts. Did DEQ have an

opportunity to consider the merit of sampling potential ditch locations raised by city staff at the May 2 site visit and in the May 4, 2023 email?
DEQ previously and currently advised that surface water or sediment sampling be completed near the site border to assess for potential offsite migration. In our most recent meeting, Croman agreed to more reconnaissance and surface water (or sediment) sampling where possible between the source areas and receiving water bodies.

3. By Thursday, July 20, city staff need to finalize the list of project representatives attending the Council study session, and provide participants with a videoconference link. Please provide a list of participants. Will the property owner be represented by SCS Engineers?
DEQ has not communicated with Croman about their potential attendance at the City Council meeting. Please remind us when this meeting is occurring so we can let the owner know, and DEQ can confirm what staff will be able to attend.
4. In light of the dioxin results, will site security be enhanced to clearly identify and prevent access to the three identified areas of concern? At a minimum, it would be prudent to post signage and install fencing to secure the wood treatment dip tank area, the north wood burner, and the south wood burner. These areas are currently not secure to prevent access to trespassers and authorized site workers.
Based on current site security measures (private fenced property) and moderate dioxin detections, DEQ does not believe additional security is needed.
5. Please be prepared to address the current regulatory status of the stockpiled materials.
DEQ's solid waste program will answer. The owner indicated during our last meeting that no materials, except for some asphalt and solid waste, have left the site for several months, and that they were giving notice to the City prior to that of other materials going off-site (i.e., wood waste).

City staff would welcome an opportunity to discuss these items further, in advance of the Council study session. Please let us know how we can facilitate your work on this important project, thank you Anthony.
We could meet prior to the study session. If you would like to do that, please provide some days/times for consideration.

Greg Aitken
Community Development, City of Ashland

Council Study Session

July 31, 2023

Agenda Item	Enterprise Funds - Ending Fund Balance Review	
From	Mariane Berry	Title: Finance Director
Contact	Mariane.Berry@ashland.or.us || #541.552.2015	
Item Type	Requested by Council ☒ Update ☐ Request for Direction ☐ Presentation ☒ Consent ☐ Public Hearing ☐ New Business ☐ Old Business ☐	

SUMMARY

During the recent budget process, there was interest by Council to review the ending fund balance policies for the Enterprise Funds. This presentation includes the input from Enterprise Fund Department Heads: Scott Fleury, Public Works Director; Tom McBartlett, Electric Director; Jason Wegner, DoIT Director.

POLICIES, PLANS & GOALS SUPPORTED

Sound fiscal policies are central to a successful and strategic long-term approach to financial management.

BACKGROUND AND ADDITIONAL INFORMATION

The presentation will review the fund balance policies of the City's Enterprise Funds in conjunction with best practices, GFOA (Government Finance Officers Association) guidance, and the policies of other municipalities as examples. We will also discuss current and long-term operations for the enterprise funds, as well as the current environment/landscape of operating these utilities, and how that is considered in the determination of the ending fund balance reserves.

It is important to also note that in conjunction with the approval of each biennium budget, rate setting and rate analysis are performed for each enterprise fund. This in-depth process using consultants and subject matter experts considers policy requirements, current and future debt and contingencies.

The City's current Enterprise Funds with their respective reserve policy are:

- Water Fund – 25% average annual expenditure of prior three years + debt/legal requirements
- SDC Water Fund – N/A
- Wastewater Fund – 25% average annual expenditure of prior three years + debt/legal requirements
- SDC Wastewater Fund – N/A
- Stormwater Fund – 20% average annual expenditure of prior three years
- SDC Storm Water – N/A
- Electric Fund – 25% average annual expenditure of prior three years + debt/legal requirements
- Telecommunications Fund - 20% average annual expenditure of prior three years + debt/legal requirements

Please note that the SDC enterprise funds were not effective until July 1, 2023. Additionally, a contingency appropriation is budgeted for non-recurring expenditures of 3% of annual operating expenditures for the Water, Wastewater, Stormwater, Electric, and Telecommunications Funds.

FISCAL IMPACTS

Fiscal impacts of establishing appropriate reserve levels for enterprise funds would include the ability/capacity to weather large financial outflows. If not set sufficiently, it may weaken the enterprise when an unforeseen emergency and/or changes in economic conditions occur. Fiscal impacts might also include the effects on rates to the utility rate payers if the enterprise cannot adequately absorb non-recurring expenditure or emergency-types of events.

DISCUSSION QUESTIONS

The following are questions and/or discussion items that Council may choose to dialogue on with regards to the policy review.

- Review of the current reserve policies for each fund
- Discussion of GFOA guidelines and other comparable policies
- What constitutes appropriate use of reserve funds?
- How does debt coverage and credit rating play into these levels?
- Discussion of the City of Ashland's specific risk attributes – climate impact, wildfires, and other changes in economic conditions
- Discussion of the City's staffing levels currently and during the past few years and how that impacts the enterprise fund balances
- How do national/global impacts such as COVID, inflation, supply chain pressures impact ending fund balance for enterprises?
- How has City of Ashland's reserve policies affected rate increases?
- Discussion of the City's current initiatives this biennium in the Water Fund, Electric Fund, and Telecommunications Fund
- Department Head input on current reserve policies
- What are the Council's specific goals as it relates to changing the current reserve levels? Can those goals be met through current appropriation and/or planning?

SUGGESTED NEXT STEPS

Depending on the outcome of the discussion, Council may choose to leave the current policy in place or some derivation of changing the restriction levels. More information may be needed by the Department Head of any one specific enterprise fund to discuss impacts to operations or long-term planning by changing the policy.

REFERENCES & ATTACHMENTS

Attachment #1: City of Ashland Financial Policies, approved by Council 5/16/23

Attachment #2: Statement of Resources, Requirements and Changes in Fund Balance as of May 31, 2023 for the following funds – Water, Wastewater, Stormwater, Electric and Telecommunications

Financial Management Policies

The Financial Management Policies apply to fiscal activities of the City of Ashland.

Objectives

The objectives of Ashland's financial policies are as follows:

- To enhance the City Council's decision-making ability by providing accurate information on program and operating costs.
- To employ revenue policies that prevent undue or unbalanced reliance on any one source, distribute the cost of municipal services fairly, and provide adequate funds to operate desired programs.
- To provide and maintain essential public programs, services, facilities, utilities, infrastructure, and capital equipment.
- To protect and enhance the City's credit rating and financial wellbeing.
- To ensure the legal use of all City funds through efficient systems of financial security and internal control.

The City of Ashland does not discriminate in providing services, purchasing goods or services, and in matters of employment.

Investments and Banking

All City funds shall be invested to provide—in order of importance—safety of principal, a sufficient level of liquidity to meet cash flow needs, and the maximum yield possible. One hundred percent of all idle cash will be continuously invested in accordance with State law and recommended government finance industry standards.

The City of Ashland has a Banking Policy of authorized signatures, including facsimile signatures for banking services on behalf of the City of Ashland that is part of this document and is labeled Attachment 1 (one).

The City of Ashland has a detailed Investment Policy and is part of this document is labeled Attachment 2 (two).

Accounting

- The City will maintain an accounting and financial reporting system that conforms to Generally Accepted Accounting Principles (GAAP) and Oregon Local Budget Law and in compliance with Government Accounting Standards Board (GASB)

statements. The City will issue a Comprehensive Annual Financial Report (Audit report) each fiscal year. The Annual Comprehensive Financial Report (ACFR) shows fund expenditures and revenues on both a GAAP and budget basis for comparison purposes.

- An independent annual audit will be performed by a certified public accounting firm that will issue an official opinion on the annual financial statements and a management letter as needed or required detailing areas that need improvement.

- Full disclosure will be provided in financial statements and bond representations.

- The accounting systems will be maintained to monitor expenditures and revenues on a monthly basis with thorough analysis and adjustment of the biennium budget as appropriate.

- The accounting system will provide monthly information about cash position and investment performance.

- The City will seek to meet all standards to obtain the Certificate of Achievement for Excellence in financial reporting from the Government Finance Officers Association (GFOA) annually.

Budgetary Policies

- The budget committee will be appointed in conformance with state statutes. The budget committee's chief purpose is to review the city manager's proposed budget and approve a budget and maximum tax levy for City Council consideration. The budget committee may consider and develop recommendations on other financial issues as delegated by the City Council.

- "The Budget Committee Reference Guide" is part of this document and it is Attachment 3 (three).

- The Citizens' Budget Committee services an important service with high visibility within our Ashland community, and it contributes to the community's mood, tone of communications and behavior. It is important that all members are aware of their leadership roles and community influence. The following are the ground rules for the meetings:

    - Keep an open mind
    - Be respectful
    - Don't interrupt
    - Stay on topic
    - It is ok to disagree

- Raise your hand to speak
- Allow others to speak before speaking again
- Be prepared
- Support the relationship to and with the city (fiduciary responsibility)

- The City will finance all current expenditures with current revenues. The City will avoid budgetary practices that balance current expenditures through the obligation of future resources. Appropriation of fund balance or retained earnings will be solely for the purpose of one-time expenditures such as capital projects.

- The City budget will support City Council goals and priorities and the long-range needs of the community.

- In contrast to the line-item budget that focuses exclusively on items to be purchased (such as supplies and equipment), the City will emphasize the use of goals and programs to:

    1. Structure budget choices and information in terms of programs or operating units and their related work activities and impact on constituents and the community,

    2. Provide information on what each program or operating unit is committed to accomplish in long-term goals and in short-term objectives, and

    3. Measure the degree of achievement of program or operating unit objectives (performance measures).

- The City will include multi-year projections in the budget document of at least three years beyond the biennium.

- To maintain fund integrity, the City will manage each fund as an independent entity in accordance with applicable statutes, generally accepted accounting principles, and government finance industry standards.

- The City will allocate direct and administrative costs to each fund based upon the cost of the other fund providing these services to the recipient fund. The City will recalculate the cost of administrative services regularly to identify the impact of inflation and other cost increases.

- If the City should receive unbudgeted revenues net of corresponding or related expenditures or proceeds from the sale of assets within any governmental fund, the City will transfer not less than 20 percent of the gain to the Reserve Fund, restrict not less than 10 percent for payment of future long-term liabilities, and designate no less

than 20 percent to fund capital projects.

- If the City should receive unbudgeted revenues net of corresponding or related expenditures or proceeds from the sale of assets within any enterprise or internal service fund, the City will commit not less than 10 percent of the gain to net earnings, restrict not less than 10 percent for payment of future long- term liabilities, and designate no less than 20 percent to fund capital projects.

- The City will seek to meet all standards for each adopted budget to obtain the Award for Distinguished Budget Presentation from the Government Finance Officers Association.

Fund Balance Policy

General Fund

The General Fund accounts for all financial resources not accounted for in other funds. Resources include working capital carryover, taxes, licenses and permits, intergovernmental revenue, fines and forfeitures, charges for services, miscellaneous revenues, and inter-fund transfers. Expenditures are for Administration, Human Resources, Legal, Finance, Public Works Support and Facilities, Parks, Innovation and Technology Information Systems, City Recorder, Social Services, Economic and Cultural Development, Police Department, Municipal Court Department, Fire and Rescue Department, City Band, Cemeteries, and the Department of Community Development and payments for services provided by other funds. This fund uses the modified accrual method of accounting.

- The General Fund will maintain an unrestricted and undesignated balance no less than 16.67% percent of the average annual expenditures of the prior three years. This is the minimum needed to maintain the City's credit worthiness and to adequately provide for economic uncertainties and cash flow needs.

- At such time as the unrestricted and undesignated balance exceeds 50 percent of the average annual expenditures of the prior three years, the City will transfer not less than 20 percent of the overage to the Reserve Fund, restrict not less than 10 percent for payment of future long-term liabilities, and designate no less than 20 percent to fund capital projects.

- If at any time the unrestricted and undesignated balance should fall below 16.67% percent of the average annual expenditures of the prior three years, the City will work to restore the balance in no less than three years with not less than 25 percent of the shortfall being restored within each year.

- The City will budget a contingency appropriation to provide for unanticipated non-recurring expenditures. The minimum contingency will be maintained at not less than 3

percent of the average annual operating expenditures over the prior three years.

Special Revenue Funds

Special Revenue funds account for the proceeds of specific sources that are legally restricted to expenditures for specified purposes. Special Revenue funds account for transactions using the modified accrual method of accounting.

Reserve Fund. This fund is used to set aside funds to protect services and to stabilize the budget, and to meet any costs that may arise in the future from unexpected events. As established by Resolution 2010-18, amended by Resolution 2020-09, and clarified by Resolution 2020-26. The resolution is a part of this document and is Attachment 4 (four).

Community Development Block Grant Fund. This fund was established in 1994-1995. The fund accounts for the Block Grant and related expenditures.

- A fund balance policy is not needed since this fund works on a reimbursement basis and proceeds are restricted by federal guidelines.

Street Fund. Revenues are from the state road tax, grants, franchise fees, charges for services and miscellaneous sources. Expenditures are for the maintenance, repair, and surfacing of streets.

- The Street Fund will maintain a committed balance of annual revenue of at least 15 percent of the average annual expenditures of the prior three years. This is the minimum needed to maintain the City's credit worthiness and to adequately provide for economic uncertainties and cash flow needs.

- If at any time the unrestricted and undesignated balance should fall below 15 percent of the average annual expenditures of the prior three years, the City will work to restore the balance in no less than three years with not less than 25 percent of the shortfall being restored within each year.

- The City will budget a contingency appropriation to provide for unanticipated expenditures of a nonrecurring nature. The minimum contingency will be maintained at not less than 3 percent of annual operating expenditures.

SDC Street Fund. The System Development Charges for Transportation are in this fund. System Development Charges are a one-time fee imposed on new development to equitably recover the cost of expanding infrastructure capacity to serve new customers.

Tourism Fund. Revenues are from the Transient Lodging Tax and expenditures are restricted by ORS 320.350.

Housing Fund. Revenue is earmarked in this fund to affordable housing by Ordinance and the

dedicated funds are to be used to support affordable housing priorities through receipt of donations and dedicated revenue streams, including but not limited to donations, grants, sale of surplus City property, or any other revenue sources approved by the Ashland City Council or the people of Ashland.

Airport Fund. Revenues are from airport leases and fuel sales. Expenditures are for airport operations.

- The Airport Fund will maintain a committed balance of annual revenue of at least 10 percent of the average annual expenditures of the prior three years. This is the minimum needed to maintain the City's credit worthiness and to adequately provide for economic uncertainties and cash flow needs.

- If at any time the unrestricted and undesignated balance should fall below 10 percent of the average annual expenditures of the prior three years, the City will work to restore the balance in no less than three years with not less than 25 percent of the shortfall being restored within each year.

- No portion of the Airport fund balance is restricted for specific uses.

- Many of the Airport assets have restrictions placed on them by the Federal Aviation Administration. None of the current revenues are pledged to outside lenders.

- The City will budget a contingency appropriation to provide for unanticipated non-recurring expenditures. The minimum contingency will be maintained at not less than 3 percent of annual operating expenditures.

Capital Projects Funds

Capital improvement funds are established to account for financial resources that are used for the acquisition or construction of major capital facilities (other than those financed by Enterprise Funds, Internal Service Funds, Special Assessment Funds and Trust Funds). Capital projects funds use the modified accrual method of accounting.

Capital Improvements Fund. This fund accounts for revenues from grants, unbonded assessment payments, and other sources, and will account for the construction of special local improvements, usually streets, with revenues from short-term borrowing and unbonded assessments. Expenditures are for construction, property and equipment acquisition and replacement, improvements and related purposes including facility maintenance, and the repayment of short-term debt principal and interest incurred in financing improvements. The purpose is to accumulate funds prior to a large construction project; therefore, there is no minimum or maximum fund balance.

- The City will budget a contingency appropriation to provide for unanticipated non-recurring expenditures. The minimum contingency will be maintained at not less than 3 percent of

annual operating expenditures.

Parks Capital Improvements Fund. The Parks Capital Projects Fund is managed by the Ashland Parks & Recreation Commission per City Charter. This fund is used to account for resources from grants and inter-fund transfers that are to be expended for major park renovations. The purpose is to accumulate funds prior to a large construction project; therefore, there is no minimum or maximum fund balance.

SDC Parks Fund. The System Development Charges for Parks are in this fund. System Development Charges are a one-time fee imposed on new development to equitably recover the cost of expanding infrastructure capacity to serve new customers.

Debt Service Funds

Debt Service Funds account for the accumulation of resources for, and the payment of, general long-term debt principal and interest. Expenditures and revenues are accounted for using the modified accrual method of accounting. All bond issues and notes are separated in the accounting system.

- All of the monies within the Debt Service fund are restricted for Debt service until the specific debt is repaid in full. ORS prohibits cities from borrowing this money for any other purpose.

Enterprise Funds

Enterprise funds account for the following operations: (a) those that are financed and operated in a manner similar to private business enterprise, where the intent of the governing body is that the costs (expenses, including depreciation) of providing goods and services to the general public on a continuing basis be financed or recovered primarily through user charges; or (b) those where the governing body has decided that periodic determination of revenues earned, expenses incurred, and/or net income is appropriate for capital maintenance, public policy, management control, accountability, or other purposes.

Enterprise funds use full accrual basis of accounting for financial statement presentations. However, the enterprise activities use a modified accrual basis of accounting for budgetary purposes. This assures budgetary compliance with such expenditures as capital construction and acquisition, as well as debt principal transactions.

Water Fund. This fund accounts for water operations. Revenues are from sales of water, other charges for services, and miscellaneous sources. Expenditures are for operations, conservation programs, capital construction, and retirement of debt.

- The Water Fund will maintain an unrestricted and undesignated balance of at least 25 percent of the average annual expenditures of the prior three years, in addition to any amounts held to comply with debt convenants or legal requirements. This is the minimum

needed to maintain the City's credit worthiness and to adequately provide for economic uncertainties and cash flow needs.

- If at any time the unrestricted and undesignated balance should fall below 25 percent of the average annual expenditures of the prior three years, the City will work to restore the balance in no less than three years with not less than one quarter of the shortfall being restored within each year.

- The City will budget a contingency appropriation to provide for unanticipated non-recurring expenditures. The minimum contingency will be maintained at not less than 3 percent of annual operating expenditures.

SDC Water Fund. The System Development Charges for Water are in this fund. System Development Charges are a one-time fee imposed on new development to equitably recover the cost of expanding infrastructure capacity to serve new customers.

Wastewater Fund. This fund accounts for wastewater treatment and collection. Revenues are from charges for services and taxes. Expenditures are for operations, capital construction, and retirement of debt.

- The Wastewater Fund will maintain an unrestricted and undesignated balance of at least 25 percent of the average annual expenditures of the prior three years, in addition to any amount required to comply with debt convenants or legal requirements. This is the minimum needed to maintain the City's credit worthiness and to adequately provide for economic uncertainties and cash flow needs.

- If at any time the unrestricted and undesignated balance should fall below 25 percent of the average annual expenditures of the prior three years, the City will work to restore the balance in no less than three years with not less than one quarter of the shortfall being restored within each year.

- The City will budget a contingency appropriation to provide for unanticipated non-recurring expenditures. The minimum contingency will be maintained at not less than 3 percent of annual operating expenditures.

SDC Wastewater Fund. The System Development Charges for Wastewater are in this fund. System Development Charges are a one-time fee imposed on new development to equitably recover the cost of expanding infrastructure capacity to serve new customers.

Electric Fund. The Electric Fund accounts for the distribution of purchased electricity according to standards set forth by the Federal Energy Regulatory Commission. Revenues are from sale of electricity and other charges for services and intergovernmental revenues. Expenditures are for related operations. Utility operations include wholesale power purchases, operating expenses, energy conservation incentives, capital outlay, retirement of debt, franchise tax, and

related purposes.

- The Electric Fund will maintain an unrestricted and undesignated balance of at least 25 percent of the average annual expenditures of the prior three years, in addition to any amount required to comply with debt convenants or legal requirements. This is the minimum needed to maintain the City's credit worthiness and to adequately provide for economic uncertainties and cash flow needs.

- Debt service reserves are included in the Electric Fund balance. This portion of the Electric Fund balance is restricted and shall not be used in determining the minimum fund balance.

- If at any time the unrestricted and undesignated balance should fall below 25 percent of the average annual expenditures of the prior three years, the City will work to restore the balance in no less than three years with not less than 25 percent of the shortfall being restored within each year.

- The City will budget a contingency appropriation to provide for unanticipated non-recurring expenditures. The minimum contingency will be maintained at not less than 3 percent of annual operating expenditures.

Telecommunications Fund. The Telecommunications Fund accounts for the revenues and expenditures of the Ashland Fiber Network.

- The Telecommunications Fund will maintain a minimum balance of 20 percent of the average annual expenditures of the prior three years, in addition to any amount required to comply with debt convenants or legal requirements.

- If at any time the unrestricted and undesignated balance should fall below 20 percent of the average annual expenditures of the prior three years, the City will work to restore the balance in no less than three years with not less than one quarter of the shortfall being restored within each year.

- Debt service reserves are included in the Telecommunications Fund balance. This portion of the Telecommunications Fund balance is restricted and shall not be used in determining the minimum fund balance.

- The city will budget a contingency appropriation to provide for unanticipated non-recurring expenditure. The minimum contingency will be maintained at not less than 3 percent of annual operating expenditures.

Stormwater Fund. Revenues are from charges for services and miscellaneous sources. Expenditures are for the maintenance, repair, and construction of storm drains.

- The Stormwater Fund will maintain a committed balance of annual revenue of at least 20

percent of the average annual expenditures of the prior three years. This is the minimum needed to maintain the City's credit worthiness and to adequately provide for economic uncertainties and cash flow needs.

- If at any time the unrestricted and undesignated balance should fall below 20 percent of the average annual expenditures of the prior three years, the City will work to restore the balance in no less than three years with not less than one quarter of the shortfall being restored within each year.

- The City will budget a contingency appropriation to provide for unanticipated expenditures of a nonrecurring nature. The minimum contingency will be maintained at not less than 3 percent of annual operating expenditures.

SDC Stormwater Fund. The System Development Charges for Stormwater are in this fund. System Development Charges are a one-time fee imposed on new development to equitably recover the cost of expanding infrastructure capacity to serve new customers.

Internal Service Funds

Internal service funds account for the financing of goods or services provided by one department or agency to other departments or agencies of the governmental unit, or to other governmental units, on a cost reimbursement basis. Internal service funds use full accrual accounting methods for financial statement presentations. However, the internal service funds use a modified accrual basis of accounting for budgetary purposes. This assures budgetary compliance with such expenditures as capital construction and acquisition as well as debt principal transactions.

Insurance Services Fund. Revenues in this fund are from service charges from other departments, investment income, and insurance retrospective rating adjustments. Expenditures are for insurance premiums, self-insurance direct claims, and administration.

- The Insurance Services Fund will maintain an unrestricted and undesignated balance of 50% of the average annual expenses of the prior five years or $500,000 whichever is more. This is the minimum needed to maintain the City's insurance programs and provide for uninsured exposures.

- If at any time the unrestricted and undesignated balance should fall below $500,000, the City will work to restore the balance in no less than two years with not less than one third of the shortfall being restored within each year.

- No portion of the Insurance Services Fund balance is legally restricted for specific uses.

- The City will budget a contingency appropriation to provide for unanticipated non-recurring expenditures. The minimum contingency will be maintained at not less than

3 percent of annual operating expenditures.

Equipment Fund. This fund is used to account for the maintenance and replacement of the City fleet of vehicles and specified equipment. Revenues are from equipment rental and replacement charges. Expenditures are for personnel, materials and services, and capital outlay. This fund is divided into two functions: equipment maintenance and equipment replacement. The purpose of the equipment replacement function is to accumulate adequate funds to replace equipment. This replacement schedule is updated annually.

- The Equipment Fund will maintain a minimum balance calculated to sufficiently fund equipment replacement as determined by use of the replacement value schedule and not less than 20 percent of the average annual operating expenditures of the prior three years.

- If at any time the unrestricted and undesignated balance should fall below the sum of 20 percent of the average annual operating expenditures of the prior three years and 30 percent of the replacement value of in-service equipment and vehicles, the City will work to restore the balance in no less than three years with not less than one quarter of the shortfall being restored within each year.

- No portion of the Equipment fund balance is legally restricted for specific uses. The City rents equipment at rates that include the replacement cost of the specific piece of equipment.

- The City will budget a contingency appropriation to provide for unanticipated non-recurring expenditures. The minimum contingency will be maintained at not less than 3 percent of annual operating expenditures.

Trust and Agency Funds
Trust and agency funds account for assets held by a governmental unit in a trustee capacity or as an agent for individuals, private organizations, or governmental units, and/or other funds. These include (a) expendable trust funds, (b) non-expendable trust funds, (c) pension trust funds, and (d) agency funds.

Cemetery Trust Fund. The Cemetery Trust Fund is a non-expendable trust fund that uses the accrual basis of accounting. Revenues are from interest income and perpetual care service charges on cemetery operations. Expenditures are for the repurchase of plots and transfers of earnings to the cemetery fund for operations.

- No minimum fund balance policy is recommended.

Revenues

- The City will estimate its annual revenues by an objective, analytical process. Because most revenues are sensitive to conditions outside the City's control, estimates will be conservative.

- The City will make every effort to maintain a diversified and stable revenue base to protect its operation from short-term fluctuations in any one revenue source.

- The City will establish charges for enterprise funds that fully support the total cost of the enterprise. Utility rates will be reviewed annually. Rates will be adjusted as needed to account for major changes in consumption and cost increases.

- The City will identify user fees to the direct beneficiaries of City services to recover all of the full cost of providing that service and compare with existing rates. All user fees will be reviewed biannually to ensure that direct and overhead costs are recovered in the percentage approved by City Council.

- To the extent practicable, new development shall pay necessary fees to meet all identified costs associated with that development.

- The City will work aggressively to collect all delinquent accounts receivable. When necessary, collection procedures will include termination of service, submission to collection agencies, foreclosure, and other available legal remedies.

Expenditures

- The City will provide employee compensation that is competitive with comparable public jurisdictions within the relative recruitment area. Estimated wage increases and changes in employee benefits will be included in the proposed budget under Personnel Services.

- The City is committed to maintaining and improving the productivity of its staff by providing a proper working environment, adequate equipment and supplies, and appropriate training and supervision.

- A Social Service appropriation will be included in the proposed General Fund Budget. This appropriation will increase or decrease relative to the overall General Fund revenues.

- Tourism appropriation will be included in the proposed Tourism Fund Budget. This appropriation will increase or decrease relative to the overall Transient Lodging Tax Revenues.

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Purchasing

- The City will purchase materials, supplies, and equipment through a competitive process that provides the best product for the least cost.

- The City will adhere to all State of Oregon and local requirements for purchasing goods and services. The City will also review policies and procedures at least annually for adherence with industry best practices.

Capital

- The City will provide for adequate maintenance of equipment and capital assets. The City will make regular contributions to the Equipment Replacement Fund and the City Facilities budget to ensure that monies will be available as needed to replace City vehicles and facilities.

- Future operating costs associated with new capital improvements will be itemized, projected, and included in the long-term budget forecast.

- The City will determine and use the most appropriate method for financing all new capital projects.

- Special accounts dedicated for capital improvements will be segregated in the accounting system and used only for the intended capital purposes.

- The Capital Improvement Plan (CIP) will encourage a level capital replacement schedule and anticipate future capital needs. The CIP will present identified needed capital projects for a minimum of six years into the future and include known major projects requiring debt obligations to support them for a minimum of fifteen years into the future.

Debts

- The City will not use long-term borrowing to finance current operations.

- Capital projects, financed through bond proceeds, will be financed for a period not to exceed the useful life of the project.

- Whenever possible, enterprise debt will be self-supporting. Regardless of the type of debt issued, the City will establish a one-year reserve for all self- supporting debt.

- The City will seek to maintain level debt service payments over the duration of an issue and consider the level of debt obligations across funding sources when recommending types and amounts of debt instruments.

Adopted by Resolution No. 2023-09 (May 16, 2023)

- The City will keep the final maturity of general obligation bonds at or below 20 years, with the exception of water supply and land acquisition that will be limited to 30 years.

- The City will maintain a debt coverage ratio, i.e. net revenue to debt service of at least 125% for every debt issue.

- The State of Oregon limits non-self-supporting obligation debt to three percent of the real market value of all taxable property within the City boundaries.

- The City will seek to maintain and improve its bond rating to minimize borrowing costs and to ensure its access to credit markets.

- The City will maintain good communications with bond rating agencies about its financial condition.

Risk Management

- The City will provide an active risk management program that reduces human suffering and protects City assets through loss prevention, insurance, and self- insurance.

- The risk management program will be reviewed at least annually to assure levels of primary and secondary coverage are consistent with City priorities and needs.

- The risk management function will conduct regular meetings of the City Safety Committee, including representatives from each operating department, to review incidents and consider activities or initiatives to reduce the City's loss experience and to enhance safety of City human and physical resource.

Attachment #2

City of Ashland

Statement of Resources, Requirements, and Changes in Fund Balance

as of May 31, 2023

		Fiscal Year 2023 2nd Year Actuals	Fiscal Year 2023 2nd Year of Biennial Budget	Budget to Actual Percent Collected / Expended	Actual to Actual Year-over-Year Change	Fiscal Year 2022 Year-To-Date Actuals	Fiscal Year 2022 End-of-Year Actuals	Actual Percent Collected / Expended
		Current Fiscal Year				Prior Fiscal Year		
670	**Water Fund**							
	Charges for Services - Rates	$ 7,728,916	$ 8,840,000	87.4%	100.5%	$ 7,686,662	$ 8,399,651	91.5%
	Charges for Services - Misc. Service Fees	39,598	90,000	44.0%	64.6%	61,254	67,573	90.6%
	System Development Charges	142,451	150,000	95.0%	58.8%	242,151	204,411	118.5%
	Interest on Investments	271,998	92,800	293.1%	481.9%	56,439	65,754	85.8%
	Miscellaneous	264	26,000	1.0%	7.4%	3,577	4,104	87.2%
	Other Financing Sources	1,366,794	17,545,800	7.8%	N/A	-	-	N/A
	Total Revenues and Other Sources	9,550,022	26,744,600	35.7%	118.6%	8,050,081	8,741,494	92.1%
	Public Works - Conservation	97,817	283,670	34.5%	86.1%	113,599	127,393	89.2%
	Public Works - Water Supply	827,302	4,121,215	20.1%	79.4%	1,042,532	1,142,413	91.3%
	Public Works - Water Supply Debt	127,843	127,776	100.1%	100.1%	127,775	127,775	100.0%
	Public Works - Water Distribution	3,428,722	4,867,942	70.4%	102.0%	3,360,064	3,686,295	91.2%
	Public Works - Water Distribution Debt	269,195	269,197	100.0%	100.7%	267,260	267,260	100.0%
	Public Works - Water Treatment	3,320,195	15,555,295	21.3%	261.2%	1,271,167	1,411,805	90.0%
	Public Works - Water Treatment Debt	73,195	75,195	97.3%	100.7%	72,662	72,662	100.0%
	Public Works - Reimbursement SDC's	-	150,000	0.0%	N/A	-	-	N/A
	Public Works - Improvement SDC's	353,936	2,131,200	16.6%	196.1%	180,458	269,059	67.1%
	Public Works - Debt SDC's	33,633	33,390	100.7%	100.7%	33,390	33,390	100.0%
	Debt Service	-	180,574	0.0%	N/A	-	-	N/A
	Transfer Out (General Fund to AFR)	50,000	50,000	100.0%	100.0%	50,000	50,000	100.0%
	Contingency	-	232,004	0.0%	N/A	-	-	N/A
	Total Expenditures and Other Uses	8,581,839	28,077,458	30.6%	131.6%	6,518,908	7,188,052	90.7%
	Excess(Deficiency) of Revenues and Other Sources over Expenditures and Other Uses	968,183	(1,332,858)	172.6%	63.2%	1,531,174	1,553,442	98.6%
	Beginning Fund Balance	**14,299,291**	11,518,403	124.1%	112.2%	12,745,849	12,745,849	100.0%
	Ending Fund Balance	$ 15,267,473	$ 10,185,545	149.9%	106.9%	$ 14,277,024	**$ 14,299,291**	99.8%
	Reconciliation of Fund Balance:							
	Restricted and Committed Funds	1,162,197						
	Unassigned Fund Balance	$ 14,105,276						

City of Ashland

Statement of Resources, Requirements, and Changes in Fund Balance

as of May 31, 2023

		Fiscal Year 2023 2nd Year Actuals	Fiscal Year 2023 2nd Year of Biennial Budget	Budget to Actual Percent Collected / Expended	Actual to Actual Year-over-Year Change	Fiscal Year 2022 Year-To-Date Actuals	Fiscal Year 2022 End-of-Year Actuals	Actual Percent Collected / Expended
		Current Fiscal Year				Prior Fiscal Year		
675	**Wastewater Fund**							
	Taxes	$ -	$ -	N/A	0.0%	$ 38	$ 38	98.9%
	Charges for Services - Rates	5,840,422	6,040,000	96.7%	101.4%	5,762,115	6,301,095	91.4%
	Charges for Services - Misc. Service Fees	-	150,000	0.0%	0.0%	(3,174)	(3,174)	100.0%
	System Development Charges	117,689	-	N/A	86.9%	135,489	91,772	147.6%
	Interest on Investments	140,589	86,700	162.2%	421.5%	33,357	38,811	85.9%
	Other Financing Sources	2,123,852	2,858,650	74.3%	541.7%	392,037	672,428	58.3%
	Total Revenues and Other Sources	8,222,614	9,135,350	90.0%	130.1%	6,319,862	7,100,970	89.0%
	Public Works - Wastewater Collection	2,118,537	2,793,623	75.8%	102.0%	2,077,287	2,259,032	92.0%
	Public Works - Wastewater Collection Debt	45,256	46,057	98.3%	98.3%	46,056	46,056	100.0%
	Public Works - Wastewater Treatment	6,642,746	5,714,038	116.3%	215.5%	3,082,179	3,734,655	82.5%
	Public Works - Wastewater Treatment Debt	128,251	128,797	99.6%	99.6%	128,797	128,797	100.0%
	Public Works - Improvements SDC's	119,736	1,331,350	9.0%	82.2%	145,662	165,385	88.1%
	Contingency	-	184,274	0.0%	N/A	-	-	N/A
	Total Expenditures and Other Uses	9,054,527	10,198,139	88.8%	165.2%	5,479,981	6,333,925	86.5%
	Excess(Deficiency) of Revenues and Other Sources over Expenditures and Other Uses	(831,912)	(1,062,789)	21.7%	-99.1%	839,881	767,045	109.5%
	Beginning Fund Balance	**8,336,733**	5,932,421	140.5%	110.1%	7,569,688	7,569,688	100.0%
	Ending Fund Balance	$ 7,504,821	$ 4,869,632	154.1%	89.2%	$ 8,409,569	**$ 8,336,733**	100.9%
	Reconciliation of Fund Balance:							
	Restricted and Committed Funds	2,228,374						
	Unassigned Fund Balance	$ 5,276,447						

City of Ashland

Statement of Resources, Requirements, and Changes in Fund Balance

as of May 31, 2023

		Fiscal Year 2023 2nd Year Actuals	Fiscal Year 2023 2nd Year of Biennial Budget	Budget to Actual Percent Collected / Expended	Actual to Actual Year-over-Year Change	Fiscal Year 2022 Year-To-Date Actuals	Fiscal Year 2022 End-of-Year Actuals	Actual Percent Collected / Expended
		Current Fiscal Year				Prior Fiscal Year		
680	**Stormwater Fund**							
	Charges for Services - Rates	$ 733,800	$ 769,600	95.3%	100.9%	$ 727,148	$ 793,847	91.6%
	System Development Charges	13,567	35,000	38.8%	57.0%	23,789	33,287	71.5%
	Interest on Investments	36,537	10,000	365.4%	473.0%	7,725	8,992	85.9%
	Total Revenues and Other Sources	783,904	814,600	96.2%	103.3%	758,663	836,126	90.7%
	Public Works - Storm Water Operations	601,263	1,102,538	54.5%	89.4%	672,871	722,578	93.1%
	Public Works - Storm Water Operations Debt	11,350	11,550	98.3%	98.3%	11,550	11,550	100.0%
	Public Works - Storm Water SDC's	-	275,000	0.0%	0.0%	12,120	12,120	100.0%
	Contingency	-	37,173	0.0%	N/A	-	-	N/A
	Total Expenditures and Other Uses	612,613	1,426,261	43.0%	88.0%	696,541	746,248	93.3%
	Excess(Deficiency) of Revenues and Other Sources over Expenditures and Other Uses	171,291	(611,661)	128.0%	275.7%	62,122	89,878	69.1%
	Beginning Fund Balance	**1,867,493**	856,106	218.1%	105.1%	1,777,615	1,777,615	100.0%
	Ending Fund Balance	$ 2,038,784	$ 244,445	834.0%	110.8%	$ 1,839,737	**$ 1,867,493**	98.5%
	Reconciliation of Fund Balance:							
	Restricted and Committed Funds	(49,085)						
	Unassigned Fund Balance	$ 1,989,699						

City of Ashland

Statement of Resources, Requirements, and Changes in Fund Balance

as of May 31, 2023

		Fiscal Year 2023 2nd Year Actuals	Fiscal Year 2023 2nd Year of Biennial Budget	Budget to Actual Percent Collected / Expended	Actual to Actual Year-over-Year Change	Fiscal Year 2022 Year-To-Date Actuals	Fiscal Year 2022 End-of-Year Actuals	Actual Percent Collected / Expended
		Current Fiscal Year				Prior Fiscal Year		
690	**Electric Fund**							
	Intergovernmental	$ 12,618	$ 210,000	6.0%	25.1%	$ 50,308	$ 50,308	100.0%
	Charges for Services - Rates	16,422,694	18,408,531	89.2%	101.9%	16,109,765	17,375,916	92.7%
	Charges for Services - Misc. Service Fees	376,677	268,000	140.6%	121.8%	309,355	316,209	97.8%
	Interest on Investments	101,796	25,000	407.2%	657.0%	15,494	18,608	83.3%
	Miscellaneous	334,689	302,000	110.8%	558.0%	59,979	63,231	94.9%
	Total Revenues and Other Sources	17,248,474	19,213,531	89.8%	104.3%	16,544,900	17,824,272	92.8%
	Administration - Conservation	767,811	1,122,936	68.4%	111.0%	691,415	762,029	90.7%
	Electric - Supply	4,891,141	7,738,500	63.2%	76.9%	6,356,989	6,775,000	93.8%
	Electric - Distribution	8,162,220	8,152,647	100.1%	116.6%	6,999,751	7,656,603	91.4%
	Electric - Transmission	755,811	1,127,500	67.0%	83.3%	907,184	1,002,989	90.4%
	Debt Service	-	243,663	0.0%	0.0%	21,850	21,850	100.0%
	Contingency	-	551,557	0.0%	N/A	-	-	N/A
	Total Expenditures and Other Uses	14,576,984	18,936,803	77.0%	97.3%	14,977,189	16,218,471	92.3%
	Excess(Deficiency) of Revenues and Other Sources over Expenditures and Other Uses	2,671,490	276,728	965.4%	170.4%	1,567,711	1,605,801	97.6%
	Beginning Fund Balance	**5,023,947**	4,963,035	101.2%	147.0%	3,418,146	3,418,146	100.0%
	Ending Fund Balance	$ 7,695,437	$ 5,239,763	146.9%	154.3%	$ 4,985,857	**$ 5,023,947**	99.2%
	Reconciliation of Fund Balance:							
	Restricted and Committed Funds	-						
	Unassigned Fund Balance	$ 7,695,437						

City of Ashland

Statement of Resources, Requirements, and Changes in Fund Balance

as of May 31, 2023

		Fiscal Year 2023 2nd Year Actuals	Fiscal Year 2023 2nd Year of Biennial Budget	Budget to Actual Percent Collected / Expended	Actual to Actual Year-over-Year Change	Fiscal Year 2022 Year-To-Date Actuals	Fiscal Year 2022 End-of-Year Actuals	Actual Percent Collected / Expended
		Current Fiscal Year				Prior Fiscal Year		
695	**Telecommunications Fund**							
	Charges for Services - Rates	$ 2,584,310	$ 2,847,836	90.7%	101.2%	$ 2,553,518	$ 2,780,392	91.8%
	Charges for Services - Misc. Service Fees	-	5,100	0.0%	N/A	-	-	N/A
	Interest on Investments	49,821	12,330	404.1%	542.9%	9,177	10,849	84.6%
	Miscellaneous	-	-	N/A	N/A	456	456	100.1%
	Total Revenues and Other Sources	2,634,131	2,865,266	91.9%	102.8%	2,563,151	2,791,697	91.8%
	Personnel Services	670,809	919,425	73.0%	103.2%	649,822	717,620	90.6%
	Materials & Services	924,691	1,148,608	80.5%	103.3%	894,893	982,284	91.1%
	Capital Outlay	36,813	126,250	29.2%	N/A	-	-	N/A
	Debt - Transfer to Debt Service Fund	473,067	516,073	91.7%	99.5%	475,581	518,816	91.7%
	Contingency	-	10,936	0.0%	N/A	-	-	N/A
	Total Expenditures and Other Uses	2,105,380	2,721,292	77.4%	104.2%	2,020,296	2,218,720	91.1%
	Excess(Deficiency) of Revenues and Other Sources over Expenditures and Other Uses	528,751	143,974	367.3%	97.4%	542,855	572,977	94.7%
	Beginning Fund Balance	**2,683,911**	2,030,348	132.2%	127.1%	2,110,934	2,110,934	100.0%
	Ending Fund Balance	$ 3,212,662	$ 2,174,322	147.8%	121.1%	$ 2,653,789	**$ 2,683,911**	98.9%
	Reconciliation of Fund Balance:							
	Restricted and Committed Funds	-						
	Unassigned Fund Balance	$ 3,212,662						