January 10, 2024

Mr. Oliver Wolfe
NYSDEC
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-7014

Re: AC Line Test Excavation Summary Report
CHA Project # 084941.000

Dear Mr. Wolfe,

CHA Solutions (CHA) was retained by Central Hudson Gas & Electric Corporation (CHGE) to assist with evaluating the condition of the high-pressure fluid filled (HPFF) cables within CHGE's Danskammer Substation at the Danskammer Generating Facility, located in the Town of Newburgh, New York. The Danskammer Generating Facility and property is owned by Danskammer Energy, but CHGE owns the majority of the operating substation infrastructure.

The AC Line and the DC Line are two subterranean transmission HPFF cables that run from the Danskammer Substation under the Hudson River to the Chelsea Substation connecting the transmission systems on both sides of the river in the vicinity of Newburgh and Chelsea, New York. Both lines are hydraulic fluid filled pipe type cables and were put in place in the 1940's and 1950's.

CHGE is planning to retrofit both the AC and DC Lines in 2024 to provide new terminal connections at the Danskammer and Chelsea substations. In preparation for the planned upgrades, CHGE needed to verify the exact location and orientation of the AC Line near the transition yard. The Danskammer Facility is listed as Site Number 336086 under the New York State Department of Environmental Conservation (NYSDEC) Resource Conservation and Recovery Act (RCRA) program, which requires the proper management and handling of subsurface media.

DESCRIPTION OF WORK

The NYSDEC project manager, Oliver Wilde, was notified by phone on November 2, 2023 and via email November 8, 2023, of the excavation work necessary to evaluate the AC Line which included exploratory excavation between two concrete slabs. The slab to the west supports the steel buswork for the AC Line; the slab to the east formerly supported substation equipment (currently vacant).

A scientist employed by CHA mobilized to the site on November 9, 2023 to oversee Nova Contracting and Hydrovac Excavating, Inc. during the excavation of the test pit. The test pit was approximately 7 feet long by 3 feet wide and was excavated to a depth of approximately 32 inches below ground surface (bgs) utilizing a combination of manual and mechanical (mini-excavator and vacuum truck) methods.

The CHA representative utilized a handheld photoionization detector (PID) to screen soil for volatile organic vapors within the excavation. No volatile organic vapors were observed above background levels.

In addition to screening the soil, community air monitoring stations were set up upwind and downwind from the excavation to monitor fugitive dust and vapor emissions. Each monitoring station included a DustTrak™ particulate monitor and a PID. No detections of fugitive emissions or particulates were observed above background at either location during the course of the excavations.

Based on field observations, the uppermost foot of soil material beneath the gravel surface of the substation consisted of a dark gray to black mixture of silt, ash and gravel, and was underlain by brown sand. The top of the exposed portion of the AC line piping was encountered at approximately 6 inches below the top of the western concrete slab at the west end of the excavation and at approximately 26 inches below the top of the eastern concrete slab at the east end of the excavation. What is believed to have been perched groundwater seeped into the excavation during activities, however this did not hinder excavation activities and dewatering was not necessary.

CHA collected two soil samples directly from the excavation for laboratory analysis: one from the dark gray to black material ("Soil-AC Excavation (0-1')") and one from the underlying sand ("Soil-AC Excavation (1'-2.5')"). CHA also collected a sample of the perched water that was observed at the bottom of the excavation for analysis ("Water-AC Excavation-110923"). Samples were placed into laboratory-provided containers which were labeled and stored on ice in a cooler pending submittal to the laboratory.

Excavated soil was temporarily staged on poly sheeting, and CHA collected a composite sample of the stockpiled soil for waste characterization analysis. Nova then transferred the soil into 17 (55-gallon) drums that were stored within the substation pending disposal arrangements. Following sampling activities, the excavation was not backfilled, but was temporarily covered with steel plates pending future upgrade activities.

Following completion of field activities, the samples were submitted under chain-of-custody protocol to Eurofins Environment Testing Northeast (Eurofins) in Amherst, NY for analysis. The samples collected directly from the excavation were analyzed for the following parameters:

- Target Compound List (TCL) Volatile Organic Compounds (VOCs);
- TCL Semivolatile Organic Compounds (SVOCs);
- TCL Polychlorinated Biphenyls (PCBs);
- TCL Pesticides/Herbicides;
- RCRA 8 Metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver); and
- Per- and Polyfluoroalkyl Substances (PFAS).

The waste characterization sample ("Soil-AC Excavation Waste Char.") was analyzed for the following parameters:

- Toxicity Characteristic Leaching Procedure (TCLP) VOCs
- TCLP SVOCs
- TCLP Metals
- TCLP Pesticides/Herbicides
- PCBs
- Ignitability
- Corrosivity
- Reactivity

CHGE retained Miller Environmental to facilitate the removal of the drums on December 12, 2023 for offsite disposal. The Bill of Lading for the drum removal is included in Attachment 1.

ANALYTICAL RESULTS

Analytical results for soil and groundwater are presented in Tables 1 and 2, respectively. The analytical lab report is included in Attachment 2. Soil results from the excavation were compared to Title 6 of the New York Code, Rule, and Regulation (6 NYCRR) Part 375 Soil Cleanup Objectives (SCOs) for commercial and industrial sites. Two SVOCs (benzo(a)pyrene and benzo(b)fluoranthene) and one metal (arsenic) were detected at concentrations slightly above the Commercial SCOs in soil sample Soil-AC Excavation (0-1'). Benzo(a)pyrene and arsenic were also slightly above the Part 375 Industrial SCOs. No exceedances were detected in soil sample Soil-AC Excavation (1'-2.5'). PFAS results were compared to the guidance values provided in NYSDEC's April 2023 Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under Part 375 Remedial Programs. Although PFAS compounds were detected, there were no exceedances of regulated compounds.

Analytical results for the perched groundwater sample indicated the presence of two SVOCs (2,4-dimethylphenol and phenol) above the NYS TOGS 1.1.1 Groundwater Standards. PFAS results were compared to the guidance values provided in NYSDEC's April 2023 Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under Part 375 Remedial Programs. Perfluorooctanoic acid (PFOA) was detected at an estimated (J) concentration of 12 ng/L, slightly above the guidance value of 6.7 ng/L). Although perfluorooctanesulfonic acid (PFOS) was not detected, the labs reportable limit (20 ng/L) was elevated due to the amount of suspended solids in the sample and was above the NYSDEC guidance value (2.7 ng/L). The sample that was collected was not filtered and was turbid.

Waste characterization results are also included Attachment 2. Waste soils were classified as non-hazardous and were disposed of offsite at Miller Environmental' s Water Works facility in Newburgh, NY on December 12, 2023.

Additionally, CHGE collected a sample of oil from both the AC and DC Lines (2 samples) for laboratory analysis on December 15, 2023. The samples were analyzed for VOCs, SVOCs, PCBs, and petroleum fingerprint. No VOCs, SVOCs, or PCBs were detected, and the oil was identified as Sun Cable Oil #6. Analytical results of these two cable oil samples are included as Attachment 3.

FINDINGS

During future upgrades to the AC Line, CHA recommends that the soil and groundwater be managed appropriately, based on the results above. Based on the analytical results, the soil may be reused as backfill onsite if it is covered with at least 6 inches of clean gravel. However, if the soil cannot be utilized as backfill, it should be transported off-site for disposal at a non-hazardous waste facility. Groundwater that requires pumping should be containerized, sampled, and disposed of off-site at a permitted facility.

Please feel free to reach out if you have any questions or comments to me at dtompkins@chasolutions.com or 845-764-7515.

Sincerely,

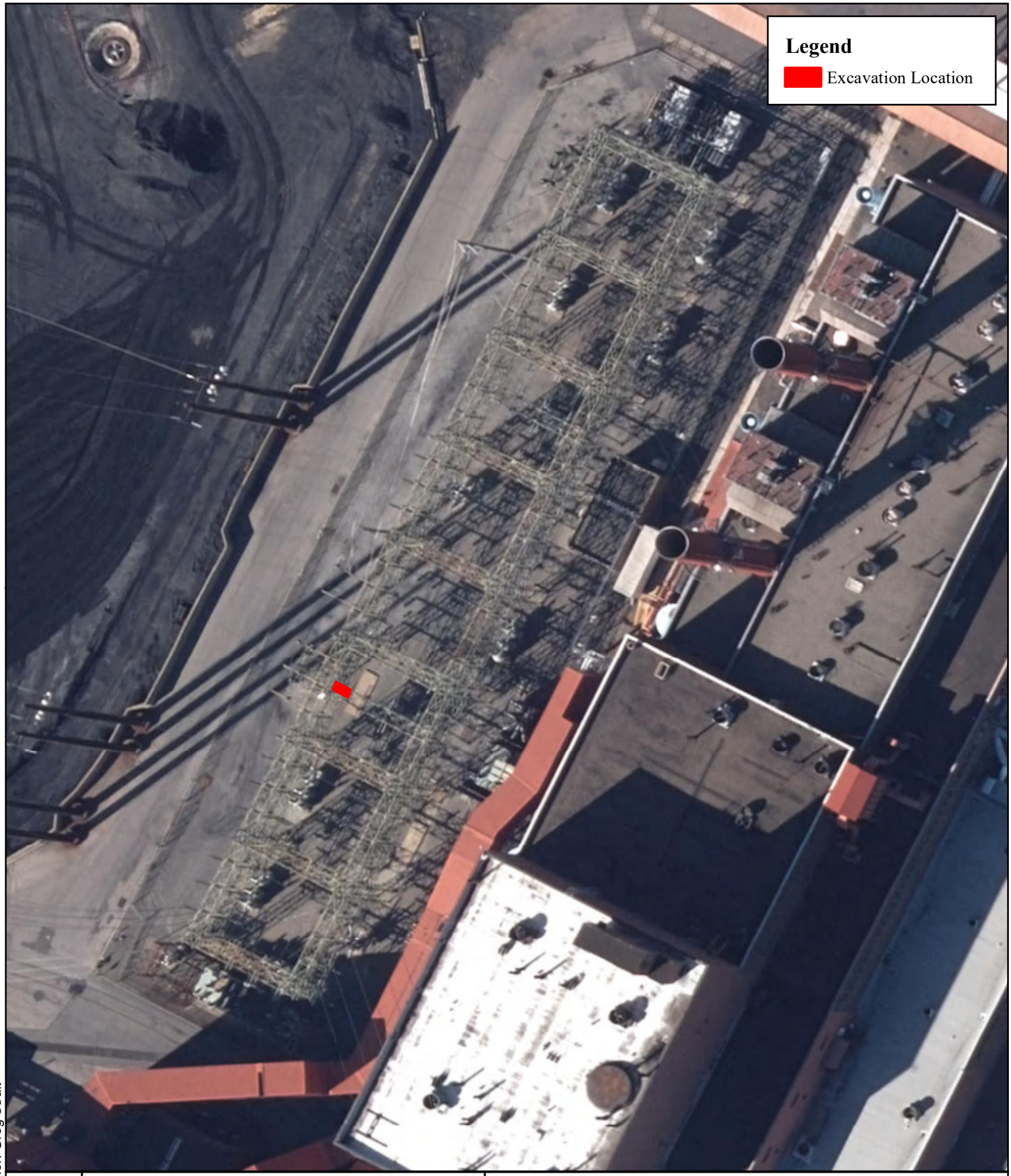
David B. Tompkins

David B. Tompkins
Principal Scientist

Cc: Jesse Gallo – CHGE
Morris Reid - CHGE

Tables & Figures
Attachment 1: Bill of Lading
Attachment 2: Analytical Lab Report – AC Exploratory Excavation
Attachment 3: Analytical Lab Report – AC and DC Line Oil.

Tables & Figures



N

Figure 1

AC Exlporatory Excavation Location
Danskammer Generating Facility
Newburgh, Orange Co. NY

Scale 1" = 50'

CHA Project No. 085941

Image Courtesy of the NYS Office of Information Technology Services, GIS Program Office
Photo Date: 2021

Date Saved: 1/3/2024 • Author: Greg Strait

Table 1

AC Exploratory Excavation Soil Results (detected compounds only)

CHGE Danskammer Substation					
			Area	AC Excavation	
			Date	11/9/2023	11/9/2023
			Depth	0 - 1'	1 - 2.5'
Parameter	Part 375 Commercial SCO	Part 375 Industrial SCO	Units		
Volatile Organic Compounds (VOCs)					
1,1,1-Trichloroethane	500	1,000	ppm	0.140	0.0045 U
Cyclohexane	NS	NS	ppm	0.220	0.0045 U
Ethylbenzene	390	780	ppm	0.027 J	0.0045 U
Isopropylbenzene	NS	NS	ppm	0.030 J	0.0045 U
Methyl Acetate	NS	NS	ppm	0.440	0.022
Methylcyclohexane	NS	NS	ppm	0.530	0.0045 U
Toluene	500	1,000	ppm	0.110	0.0045 U
Total Xylenes	500	1,000	ppm	0.260	0.009 U
Semivolatile Organic Compounds (SVOCs)					
2-Methylnaphthalene	NS	NS	ppm	0.970 J	0.190 U
Acenaphthene	500	1,000	ppm	0.700 J	0.190 U
Anthracene	500	1,000	ppm	1.3 J	0.190 U
Benzo(a)anthracene	5.6	11	ppm	5.6	0.190 U
Benzo(a)pyrene	1	1.1	ppm	**5.0**	0.190 U
Benzo(b)fluoranthene	5.6	11	ppm	**6.3**	0.190 U
Benzo(g,h,i)perylene	500	1,000	ppm	3.0	0.190 U
Benzo(k)fluoranthene	56	110	ppm	2.4	0.190 U
Carbazole	NS	NS	ppm	0.720 J	0.190 U
Chrysene	56	110	ppm	6.2	0.190 U
Dibenzo(a,h)anthracene	0.56	1.1	ppm	1.1 J	0.190 U
Dibenzofuran	NS	NS	ppm	0.540 J	0.190 U
Fluoranthene	500	1,000	ppm	9.2	0.190 U
Fluorene	500	1,000	ppm	0.590 J	0.190 U
Indeno(1,2,3-cd)pyrene	5.6	11	ppm	2.5	0.190 U
Naphthalene	500	1,000	ppm	0.580 J	0.190 U
Phenanthrene	500	1,000	ppm	6.2	0.190 U
Pyrene	500	1,000	ppm	7.8	0.190 U
PCBs					
Aroclor 1260	NS	NS	ppm	1.6	0.20 U
Total PCBs	1	25	ppm	1.6	BRL
Pesticides/Herbicides					
4,4'-DDT	47	94	ppm	0.020 U	0.00095 J
4,4'-DDD	92	180	ppm	0.0076 J	0.0018 U
4,4'-DDE	62	120	ppm	0.0047 J	0.0018 U
beta-BHC	3	14	ppm	0.0047 J	0.0018 U
Dieldrin	1.4	2.8	ppm	0.022	0.00060 J
Metals					
Arsenic	16	16	ppm	**37.2**	9.9
Barium	400	10,000	ppm	268	56.7
Cadmium	9.3	60	ppm	4.1 B	1.2 B
Total Chromium	1,500	6,800	ppm	18	14.3
Lead	1,000	3,900	ppm	215	29.7
Mercury	2.8	5.7	ppm	0.18	0.028
Selenium	1,500	6,800	ppm	1.5 J	4.4 U
PFAS	**Guidance**	**Guidance**			
Perfluorobutonic acid (PFBA)	NS	NS	ppb	0.081 J	0.82 U
Perfluoroheptanoic acid (PFHpA)	NS	NS	ppb	0.053 JI	0.20 U
Perfluorooctanoic acid (PFOA)	500	600	ppb	0.093 J	0.20 U
Perfluorodecanoic acid (PFDA)	NS	NS	ppb	0.17 J	0.20 U
Perfluoroundecanoic acid (PFUnA)	NS	NS	ppb	0.12 J	0.20 U
Perfluorododecanoic Acid (PFDoA)	NS	NS	ppb	0.15 J	0.20 U
Perfluorooctanesulfonic acid (PFOS)	440	440	ppb	0.27	0.20 U
Total PFAS Compounds	NS	NS	ppb	0.937 JI	U

ppm - parts per million

ppb - parts per billion

SCO - Soil Cleanup Objective

NS - No established SCO

U - Analyte not detected above laboratory reporting limit shown

J - Estimated concentration; above method detection limit, but below laboratory reporting limit

BRL - Below laboratory reporting limits

Green-shaded values exceed the NYS Part 375 Commercial Use SCO.

Blue-shaded value exceeds both the NYS Part 375 Commercial and Industrial Use SCOs.

* Based on April 2023 Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) under Part 375 Remedial Programs

Table 2

AC Exploratory Excavation Groundwater Results (detections only)

CHGE Danskammer Substation

			Area	AC Excavation	
			Sample ID	Water-AC Excavation	
			Date	11/9/2023	
Parameter	NYS TOGS 1.1.1 Groundwater Standard	Units			
Volatile Organic Compounds (VOCs)					
2-Butanone	50	ug/L		2.3	J
Acetone	50	ug/L		12	
Semivolatile Organic Compounds (SVOCs)					
2,4-Dimethylphenol	50	ug/L		**550**	
2-Methylphenol	NS	ug/L		690	
4-Methylphenol	NS	ug/L		2,000	
Phenol	1	ug/L		**630**	
PCBs					
Total PCBs	0.09	ug/L		BRL	
Pesticides/Herbicides					
4,4'-DDT	0.2	ug/L		0.029	J
Aldrin	ND	ug/L		0.013	J
beta-BHC	0.04	ug/L		0.028	J
delta-BHC	0.04	ug/L		0.015	J
Dieldrin	0.004	ug/L		0.017	J
gamma-BHC (Lindane)	0.05	ug/L		0.029	J
Metals					
Arsenic	25	mg/L		0.19	
Barium	1,000	mg/L		0.72	
Cadmium	5	mg/L		0.016	
Total Chromium	50	mg/L		0.086	
Lead	25	mg/L		0.82	
Mercury	0.7	mg/L		0.00044	J
PFAS	**Guidance**				
Perfluorobutonic acid (PFBA)	NS	ng/L		25	J
Perfluoropentanoic acid (PFPeA)	NS	ng/L		19	J
Perfluorohexanoic acid (PFHxA)	NS	ng/L		12	J
Perfluoroheptanoic acid (PFHpA)	NS	ng/L		8.9	J
Perfluorooctanoic acid (PFOA)	6.7	ng/L		**12**	**J**
Perfluorononanoic acid (PFNA)	NS	ng/L		6.3	J
Perfluoroundecanoic acid (PFUnA)	NS	ng/L		6.4	J
Perfluorooctanesulfonic acid (PFOS)	2.7	ng/L		**20**	**U**
Total PFAS Compounds	NS	ng/L		89.6	J

NYS TOGS - Division of Water Technical & Operational Guidance Series 1.1.1

mg/L - milligrams per liter

ug/L - micrograms per liter

ng/L - nanograms per liter

NS - No established standard

J - Estimated concentration; above method detection limit, but below laboratory reporting limit

BRL - Below laboratory reporting limit

Shaded values exceed the TOGS 1.1.1 Groundwater Standards or NYSDEC Guidance Values

* Based on April 2023 Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) under Part 375 Remedial Programs

Attachment 1
Bill of Lading

MILLER ENVIRONMENTAL GROUP

24-Hour Emergency
800-394-8606

Please print or type

BILL OF LADING

1. Document No. HV7603

2. Page 1 of 1

3. Offeror Name and Mailing Address
Central Hudson Gas & Electric 284 South Ave
Poughkeepsie, NY 12601

4. Offeror Phone (845) 486 5691

Site Address
994 River Rd
Newburgh, NY 12550

5. Transporter 1 Company Name
Miller Environmental Group, Inc.

6. EPA ID # NYD986708085

A. State Transporter's ID

B. Transporter 1 Phone 800-394-8606

7. Transporter 2 Company Name

8. EPA ID #

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
Water Works
77 Stewart Ave
Newburgh, NY 12550
HM

10. EPA ID # NYROS 0236349

E. State Facility's ID

F. Facility's Phone 845 590 0408

GENERATOR

	11. Shipping Name	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a.	NON RCRA NON DOT SOLIDS NOS (OILY SOLIDS)	10	DM	9000	P
b.					
c.					
d.					

G. Additional Descriptions for Materials Listed Above
1) 20GD0003H (10 X 55)

Job # NY0230558

15. Special Handling Instructions and Additional Information

16. OFFEROR CERTIFICATION: I hereby certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulation of the Department of Transportation. The materials described on this document are not subject to federal uniform hazardous waste manifest requirements.

Printed/Typed Name	Signature	Date Month	Day	Year
JESSE GALLO		12	12	23

TRANSPORTER

17. Transporter 1 Acknowledgment of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
CHRISTIAN SURIANI		12	12	23

18. Transporter 2 Acknowledgment of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the materials covered by this bill of lading except as noted in Item 19.

Printed/Typed Name	Signature	Date Month	Day	Year
Stefan Isolco		12	13	23

BILL OF LADING

Attachment 2
Analytical Lab Report – AC Exploratory Excavation

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Julia Craner
CHA Inc
3 Winners Circle
PO BOX 5269
Albany, New York 12205-0269

Generated 11/30/2023 7:52:43 AM

JOB DESCRIPTION

CHGE Danskammer - AC Excavation

JOB NUMBER

480-214763-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

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.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization

Generated
11/30/2023 7:52:43 AM

Authorized for release by
John Beninati, Project Manager I
John.Beninati@et.eurofinsus.com
(716)504-9874

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Definitions/Glossary

Client: CHA Inc
Job ID: 480-214763-1
Project/Site: CHGE Danskammer - AC Excavation

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD 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
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
*1	LCS/LCSD 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, high biased.

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.

General Chemistry

Qualifier	Qualifier Description
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.

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)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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: 480-214763-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-214763-1

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

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

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

Receipt
The samples were received on 11/10/2023 9:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 1.6°C, 2.0°C and 2.7°C

GC/MS VOA
Method 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 480-691790 and analytical batch 480-691946 recovered outside control limits for the following analytes: Carbon tetrachloride and Tetrachloroethene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260C: The following samples were diluted due to the nature of the TCLP matrix: SOIL-AC EXCAVATION-WASTE CHAR (480-214763-5) and (LB 480-691790/1-A). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 691904 recovered outside acceptance criteria, low biased, for Carbon disulfide. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported. . The associated samples are impacted: WATER-AC EXCAVATION-110923 (480-214763-3) and TRIP BLANK (480-214763-4).

Method 8260C: The continuing calibration verification (CCV) associated with batch 691904 recovered above the upper control limit for Carbon tetrachloride, 2-Butanone (MEK), and 1,4-Dioxane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: WATER-AC EXCAVATION-110923 (480-214763-3) and TRIP BLANK (480-214763-4).

Method 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 480-691904 recovered outside control limits for the following analytes: 1,4-Dioxane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The associated samples are impacted: WATER-AC EXCAVATION-110923 (480-214763-3) and TRIP BLANK (480-214763-4).

Method 8260C: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 480-691904 recovered outside control limits for the following analytes: Bromoform and 1,4-Dioxane. The associated samples are impacted: WATER-AC EXCAVATION-110923 (480-214763-3) and TRIP BLANK (480-214763-4).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-691625 recovered above the upper control limit for Isopropylbenzene. The sample(s) associated with this CCV were non-detect above the reporting limit for the affected analyte; therefore, the data have been reported. The associated sample is impacted: SOIL-AC EXCAVATION (1-2.5) (480-214763-1).

Method 8260C: The following sample was analyzed using medium level soil analysis due to the nature of the sample matrix: SOIL-AC EXCAVATION (0-1) (480-214763-2). Elevated reporting limits (RLs) are provided.

Job ID: 480-214763-1 (Continued)

Laboratory: Eurofins Buffalo (Continued)

Method 8260C: The continuing calibration verification (CCV) associated with batch 691806 recovered outside acceptance criteria, low biased, for Carbon disulfide. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported. The associated sample is impacted: SOIL-AC EXCAVATION (0-1) (480-214763-2).

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: The continuing calibration verification (CCV) associated with batch 480-691830 recovered outside acceptance criteria, low biased, for 2,4-Dinitrophenol, Hexachlorocyclopentadiene and Pentachlorophenol. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8270D: The following sample was diluted due to color, appearance, and viscosity: WATER-AC EXCAVATION-110923 (480-214763-3). Elevated reporting limits (RL) are provided.

Method 8270D: The following sample was diluted to bring the concentration of target analytes within the calibration range: WATER-AC EXCAVATION-110923 (480-214763-3). Elevated reporting limits (RLs) are provided.

Method 8270D: The following sample was diluted due to the abundance of target analytes: WATER-AC EXCAVATION-110923 (480-214763-3). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method 8270D: The following sample was diluted due to color, appearance and viscosity: SOIL-AC EXCAVATION (0-1) (480-214763-2). Elevated reporting limits (RL) are provided.

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-691811 recovered above the upper control limit for 1,4-Dioxane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: SOIL-AC EXCAVATION (0-1) (480-214763-2).

Method 8270D: Surrogate recovery for the following sample was outside control limits: SOIL-AC EXCAVATION (0-1) (480-214763-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Herbicides

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

PCBs

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

Pesticides

Method 8081B: The following samples required a Florisil clean-up, via EPA Method 3620C, to reduce matrix interferences: SOIL-AC EXCAVATION (1-2.5) (480-214763-1) and SOIL-AC EXCAVATION (0-1) (480-214763-2).

Method 8081B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 480-692155 and analytical batch 480-692159 recovered outside control limits for the following analytes: Endosulfan sulfate.

Method 8081B: The following sample was diluted due to the nature of the sample matrix: SOIL-AC EXCAVATION (0-1) (480-214763-2). As such, surrogate recoveries are below the calibration range, estimated and not representative. Elevated reporting limits (RLs) are provided.

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

Job ID: 480-214763-1 (Continued)

Laboratory: Eurofins Buffalo (Continued)

Metals

Method 6010C: The following sample was diluted due to the nature of the sample matrix: SOIL-AC EXCAVATION (1-2.5) (480-214763-1). Elevated reporting limits (RLs) are provided.

Method 7470A: Due to interference with the sample matrix, the standard mercury preparation procedure was inadequate for the following samples(s): WATER-AC EXCAVATION-110923 (480-214763-3). This was demonstrated when the potassium permanganate reagent was added and the characteristic purple color faded rapidly. This loss of color indicates oxidizing conditions were not maintained. The sample(s) was prepared and analyzed at a 1/3 dilution, which maintained the purple color during digestion.

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

General Chemistry

Method 9045D: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following sample has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: SOIL-AC EXCAVATION-WASTE CHAR (480-214763-5).

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

Detection Summary

Client: CHA Inc
Job ID: 480-214763-1
Project/Site: CHGE Danskammer - AC Excavation

Client Sample ID: SOIL-AC EXCAVATION (1-2.5) — Lab Sample ID: 480-214763-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDT	0.95	J	1.8	0.43	ug/Kg	1	☼	8081B	Total/NA
Dieldrin	0.60	J	1.8	0.44	ug/Kg	1	☼	8081B	Total/NA
Arsenic	9.9		2.2	0.44	mg/Kg	1	☼	6010C	Total/NA
Barium	56.7		0.55	0.12	mg/Kg	1	☼	6010C	Total/NA
Cadmium	1.2	B	0.22	0.033	mg/Kg	1	☼	6010C	Total/NA
Chromium	14.3		0.55	0.22	mg/Kg	1	☼	6010C	Total/NA
Lead	29.7		1.1	0.27	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.028		0.022	0.0051	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SOIL-AC EXCAVATION (0-1) — Lab Sample ID: 480-214763-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	140		60	17	ug/Kg	1	☼	8260C	Total/NA
Cyclohexane	220		60	13	ug/Kg	1	☼	8260C	Total/NA
Ethylbenzene	27	J	60	18	ug/Kg	1	☼	8260C	Total/NA
Isopropylbenzene	30	J	60	9.1	ug/Kg	1	☼	8260C	Total/NA
Methyl acetate	440		300	29	ug/Kg	1	☼	8260C	Total/NA
Methylcyclohexane	530		60	28	ug/Kg	1	☼	8260C	Total/NA
Toluene	110		60	16	ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	260		120	33	ug/Kg	1	☼	8260C	Total/NA
2-Methylnaphthalene	970	J	2100	410	ug/Kg	10	☼	8270D	Total/NA
Acenaphthene	700	J	2100	300	ug/Kg	10	☼	8270D	Total/NA
Anthracene	1300	J	2100	510	ug/Kg	10	☼	8270D	Total/NA
Benzo[a]anthracene	5600		2100	210	ug/Kg	10	☼	8270D	Total/NA
Benzo[a]pyrene	5000		2100	300	ug/Kg	10	☼	8270D	Total/NA
Benzo[b]fluoranthene	6300		2100	330	ug/Kg	10	☼	8270D	Total/NA
Benzo[g,h,i]perylene	3000		2100	220	ug/Kg	10	☼	8270D	Total/NA
Benzo[k]fluoranthene	2400		2100	270	ug/Kg	10	☼	8270D	Total/NA
Carbazole	720	J	2100	240	ug/Kg	10	☼	8270D	Total/NA
Chrysene	6200		2100	460	ug/Kg	10	☼	8270D	Total/NA
Dibenz(a,h)anthracene	1100	J	2100	370	ug/Kg	10	☼	8270D	Total/NA
Dibenzofuran	540	J	2100	240	ug/Kg	10	☼	8270D	Total/NA
Fluoranthene	9200		2100	220	ug/Kg	10	☼	8270D	Total/NA
Fluorene	590	J	2100	240	ug/Kg	10	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	2500		2100	260	ug/Kg	10	☼	8270D	Total/NA
Naphthalene	580	J	2100	270	ug/Kg	10	☼	8270D	Total/NA
Phenanthrene	6200		2100	300	ug/Kg	10	☼	8270D	Total/NA
Pyrene	7800		2100	240	ug/Kg	10	☼	8270D	Total/NA
4,4'-DDD	7.6	J	20	3.9	ug/Kg	10	☼	8081B	Total/NA
4,4'-DDE	4.7	J	20	4.3	ug/Kg	10	☼	8081B	Total/NA
beta-BHC	4.7	J	20	3.6	ug/Kg	10	☼	8081B	Total/NA
Dieldrin	22		20	4.9	ug/Kg	10	☼	8081B	Total/NA
PCB-1260	1.6		0.25	0.11	mg/Kg	1	☼	8082A	Total/NA
Arsenic	37.2		2.5	0.50	mg/Kg	1	☼	6010C	Total/NA
Barium	268		0.62	0.14	mg/Kg	1	☼	6010C	Total/NA
Cadmium	4.1	B	0.25	0.037	mg/Kg	1	☼	6010C	Total/NA
Chromium	18.0		0.62	0.25	mg/Kg	1	☼	6010C	Total/NA
Lead	215		1.2	0.30	mg/Kg	1	☼	6010C	Total/NA
Selenium	1.5	J	5.0	0.50	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.18		0.024	0.0055	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: CHA Inc
Job ID: 480-214763-1
Project/Site: CHGE Danskammer - AC Excavation

Client Sample ID: WATER-AC EXCAVATION-110923 — Lab Sample ID: 480-214763-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	2.3	J	10	1.3	ug/L	1		8260C	Total/NA
Acetone	12		10	3.0	ug/L	1		8260C	Total/NA
2,4-Dimethylphenol - DL	550		500	50	ug/L	100		8270D	Total/NA
2-Methylphenol - DL	690		500	40	ug/L	100		8270D	Total/NA
4-Methylphenol - DL	2000		1000	36	ug/L	100		8270D	Total/NA
Phenol - DL	630		500	39	ug/L	100		8270D	Total/NA
4,4'-DDT	0.029	J	0.050	0.011	ug/L	1		8081B	Total/NA
Aldrin	0.013	J	0.050	0.0081	ug/L	1		8081B	Total/NA
beta-BHC	0.028	J	0.050	0.025	ug/L	1		8081B	Total/NA
delta-BHC	0.015	J	0.050	0.010	ug/L	1		8081B	Total/NA
Dieldrin	0.017	J	0.050	0.0098	ug/L	1		8081B	Total/NA
gamma-BHC (Lindane)	0.029	J	0.050	0.0080	ug/L	1		8081B	Total/NA
Arsenic	0.19		0.015	0.0056	mg/L	1		6010C	Total/NA
Barium	0.72		0.0020	0.00070	mg/L	1		6010C	Total/NA
Cadmium	0.016		0.0020	0.00050	mg/L	1		6010C	Total/NA
Chromium	0.086		0.0040	0.0010	mg/L	1		6010C	Total/NA
Lead	0.82		0.010	0.0030	mg/L	1		6010C	Total/NA
Mercury	0.00044	J	0.00060	0.00013	mg/L	1		7470A	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-214763-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	2.3		1.0	0.34	ug/L	1		8260C	Total/NA
Methylene Chloride	0.44	J	1.0	0.44	ug/L	1		8260C	Total/NA

Client Sample ID: SOIL-AC EXCAVATION-WASTE CHAR — Lab Sample ID: 480-214763-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1260	0.47		0.24	0.11	mg/Kg	1	☼	8082A	Total/NA
Barium	1.3		1.0	0.10	mg/L	1		6010C	TCLP
Cadmium	0.010		0.0020	0.00050	mg/L	1		6010C	TCLP
Flashpoint	>180		50.0	50.0	Degrees F	1		1010A	Total/NA
pH	8.1	HF	0.1	0.1	SU	1		9045D	Total/NA
Temperature	8.1	HF	0.001	0.001	Degrees C	1		9045D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SOIL-AC EXCAVATION (1-2.5)
Lab Sample ID: 480-214763-1
Date Collected: 11/09/23 09:20
Matrix: Solid
Date Received: 11/10/23 09:00
Percent Solids: 89.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.5	0.33	ug/Kg	☼	11/10/23 14:00	11/13/23 15:49	1
1,2-Dichlorobenzene	ND		4.5	0.35	ug/Kg	☼	11/10/23 14:00	11/13/23 15:49	1
1,1,2,2-Tetrachloroethane	ND		4.5	0.73	ug/Kg	☼	11/10/23 14:00	11/13/23 15:49	1
1,1,2-Trichloroethane	ND		4.5	0.58	ug/Kg	☼	11/10/23 14:00	11/13/23 15:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.5	1.0	ug/Kg	☼	11/10/23 14:00	11/13/23 15:49	1
1,1-Dichloroethane	ND		4.5	0.55	ug/Kg	☼	11/10/23 14:00	11/13/23 15:49	1
1,1-Dichloroethene	ND		4.5	0.55	ug/Kg	☼	11/10/23 14:00	11/13/23 15:49	1
1,2,4-Trichlorobenzene	ND		4.5	0.27	ug/Kg	☼	11/10/23 14:00	11/13/23 15:49	1
1,2-Dibromo-3-Chloropropane	ND		4.5	2.2	ug/Kg	☼	11/10/23 14:00	11/13/23 15:49	1
1,2-Dichloroethane	ND		4.5	0.23	ug/Kg	☼	11/10/23 14:00	11/13/23 15:49	1
1,2-Dichloropropane	ND		4.5	2.2	ug/Kg	☼	11/10/23 14:00	11/13/23 15:49	1
1,3-Dichlorobenzene	ND		4.5	0.23	ug/Kg	☼	11/10/23 14:00	11/13/23 15:49	1
1,4-Dichlorobenzene	ND		4.5	0.63	ug/Kg	☼	11/10/23 14:00	11/13/23 15:49	1
2-Butanone (MEK)	ND		22	1.6	ug/Kg	☼	11/10/23 14:00	11/13/23 15:49	1
2-Hexanone	ND		22	2.2	ug/Kg	☼	11/10/23 14:00	11/13/23 15:49	1
4-Methyl-2-pentanone (MIBK)	ND		22	1.5	ug/Kg	☼	11/10/23 14:00	11/13/23 15:49	1
Acetone	ND		22	3.8	ug/Kg	☼	11/10/23 14:00	11/13/23 15:49	1
Benzene	ND		4.5	0.22	ug/Kg	☼	11/10/23 14:00	11/13/23 15:49	1
Bromodichloromethane	ND		4.5	0.60	ug/Kg	☼	11/10/23 14:00	11/13/23 15:49	1
Bromoform	ND		4.5	2.2	ug/Kg	☼	11/10/23 14:00	11/13/23 15:49	1
Bromomethane	ND		4.5	0.40	ug/Kg	☼	11/10/23 14:00	11/13/23 15:49	1
Carbon disulfide	ND		4.5	2.2	ug/Kg	☼	11/10/23 14:00	11/13/23 15:49	1
Carbon tetrachloride	ND		4.5	0.43	ug/Kg	☼	11/10/23 14:00	11/13/23 15:49	1
Chlorobenzene	ND		4.5	0.59	ug/Kg	☼	11/10/23 14:00	11/13/23 15:49	1
Dibromochloromethane	ND		4.5	0.57	ug/Kg	☼	11/10/23 14:00	11/13/23 15:49	1
Chloroethane	ND		4.5	1.0	ug/Kg	☼	11/10/23 14:00	11/13/23 15:49	1
Chloroform	ND		4.5	0.28	ug/Kg	☼	11/10/23 14:00	11/13/23 15:49	1
Chloromethane	ND		4.5	0.27	ug/Kg	☼	11/10/23 14:00	11/13/23 15:49	1
cis-1,2-Dichloroethene	ND		4.5	0.57	ug/Kg	☼	11/10/23 14:00	11/13/23 15:49	1
cis-1,3-Dichloropropene	ND		4.5	0.65	ug/Kg	☼	11/10/23 14:00	11/13/23 15:49	1
Cyclohexane	ND		4.5	0.63	ug/Kg	☼	11/10/23 14:00	11/13/23 15:49	1
Dichlorodifluoromethane	ND		4.5	0.37	ug/Kg	☼	11/10/23 14:00	11/13/23 15:49	1
Ethylbenzene	ND		4.5	0.31	ug/Kg	☼	11/10/23 14:00	11/13/23 15:49	1
1,2-Dibromoethane	ND		4.5	0.58	ug/Kg	☼	11/10/23 14:00	11/13/23 15:49	1
Isopropylbenzene	ND		4.5	0.68	ug/Kg	☼	11/10/23 14:00	11/13/23 15:49	1
Methyl acetate	ND		22	2.7	ug/Kg	☼	11/10/23 14:00	11/13/23 15:49	1
Methyl tert-butyl ether	ND		4.5	0.44	ug/Kg	☼	11/10/23 14:00	11/13/23 15:49	1
Methylcyclohexane	ND		4.5	0.68	ug/Kg	☼	11/10/23 14:00	11/13/23 15:49	1
Methylene Chloride	ND		4.5	2.1	ug/Kg	☼	11/10/23 14:00	11/13/23 15:49	1
Styrene	ND		4.5	0.22	ug/Kg	☼	11/10/23 14:00	11/13/23 15:49	1
Tetrachloroethene	ND		4.5	0.60	ug/Kg	☼	11/10/23 14:00	11/13/23 15:49	1
Toluene	ND		4.5	0.34	ug/Kg	☼	11/10/23 14:00	11/13/23 15:49	1
trans-1,2-Dichloroethene	ND		4.5	0.46	ug/Kg	☼	11/10/23 14:00	11/13/23 15:49	1
trans-1,3-Dichloropropene	ND		4.5	2.0	ug/Kg	☼	11/10/23 14:00	11/13/23 15:49	1
Trichloroethene	ND		4.5	0.99	ug/Kg	☼	11/10/23 14:00	11/13/23 15:49	1
Trichlorofluoromethane	ND		4.5	0.42	ug/Kg	☼	11/10/23 14:00	11/13/23 15:49	1
Vinyl chloride	ND		4.5	0.55	ug/Kg	☼	11/10/23 14:00	11/13/23 15:49	1
Xylenes, Total	ND		9.0	0.75	ug/Kg	☼	11/10/23 14:00	11/13/23 15:49	1

Client Sample ID: SOIL-AC EXCAVATION (1-2.5)
Lab Sample ID: 480-214763-1

Date Collected: 11/09/23 09:20
Matrix: Solid
Date Received: 11/10/23 09:00
Percent Solids: 89.2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*71 - 125*	*11/10/23 14:00*	*11/13/23 15:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*64 - 126*	*11/10/23 14:00*	*11/13/23 15:49*	*1*
4-Bromofluorobenzene (Surr)	*93*		*72 - 126*	*11/10/23 14:00*	*11/13/23 15:49*	*1*
Dibromofluoromethane (Surr)	*90*		*60 - 140*	*11/10/23 14:00*	*11/13/23 15:49*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		110	61	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
2,4,5-Trichlorophenol	ND		190	51	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
2,4,6-Trichlorophenol	ND		190	38	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
2,4-Dichlorophenol	ND		190	20	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
2,4-Dimethylphenol	ND		190	46	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
2,4-Dinitrophenol	ND		1800	870	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
2,4-Dinitrotoluene	ND		190	39	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
2,6-Dinitrotoluene	ND		190	22	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
2-Chloronaphthalene	ND		190	31	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
2-Chlorophenol	ND		370	35	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
2-Methylnaphthalene	ND		190	38	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
2-Methylphenol	ND		190	22	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
2-Nitroaniline	ND		370	28	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
2-Nitrophenol	ND		190	53	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
3,3'-Dichlorobenzidine	ND		370	220	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
3-Nitroaniline	ND		370	52	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
4,6-Dinitro-2-methylphenol	ND		370	190	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
4-Bromophenyl phenyl ether	ND		190	27	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
4-Chloro-3-methylphenol	ND		190	47	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
4-Chloroaniline	ND		190	47	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
4-Chlorophenyl phenyl ether	ND		190	23	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
4-Methylphenol	ND		370	22	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
4-Nitroaniline	ND		370	99	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
4-Nitrophenol	ND		370	130	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
Acenaphthene	ND		190	28	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
Acenaphthylene	ND		190	25	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
Acetophenone	ND		190	26	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
Anthracene	ND		190	47	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
Atrazine	ND		190	66	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
Benzaldehyde	ND		190	150	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
Benzo[a]anthracene	ND		190	19	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
Benzo[a]pyrene	ND		190	28	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
Benzo[b]fluoranthene	ND		190	30	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
Benzo[g,h,i]perylene	ND		190	20	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
Benzo[k]fluoranthene	ND		190	25	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
Biphenyl	ND		190	28	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
bis (2-chloroisopropyl) ether	ND		190	38	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
Bis(2-chloroethoxy)methane	ND		190	40	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
Bis(2-chloroethyl)ether	ND		190	25	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
Bis(2-ethylhexyl) phthalate	ND		190	65	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
Butyl benzyl phthalate	ND		190	31	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
Caprolactam	ND		190	57	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
Carbazole	ND		190	22	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1

Client Sample ID: SOIL-AC EXCAVATION (1-2.5)
Lab Sample ID: 480-214763-1

Date Collected: 11/09/23 09:20
Matrix: Solid

Date Received: 11/10/23 09:00
Percent Solids: 89.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		190	42	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
Dibenz(a,h)anthracene	ND		190	33	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
Dibenzofuran	ND		190	22	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
Diethyl phthalate	ND		190	25	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
Dimethyl phthalate	ND		190	22	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
Di-n-butyl phthalate	ND		190	32	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
Di-n-octyl phthalate	ND		190	22	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
Fluoranthene	ND		190	20	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
Fluorene	ND		190	22	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
Hexachlorobenzene	ND		190	26	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
Hexachlorobutadiene	ND		190	28	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
Hexachlorocyclopentadiene	ND		190	26	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
Hexachloroethane	ND		190	25	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
Indeno[1,2,3-cd]pyrene	ND		190	23	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
Isophorone	ND		190	40	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
Naphthalene	ND		190	25	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
Nitrobenzene	ND		190	21	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
N-Nitrosodi-n-propylamine	ND		190	32	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
N-Nitrosodiphenylamine	ND		190	150	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
Pentachlorophenol	ND		370	190	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
Phenanthrene	ND		190	28	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
Phenol	ND		190	29	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1
Pyrene	ND		190	22	ug/Kg	☼	11/13/23 08:25	11/14/23 21:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*71*		*54 - 120*	*11/13/23 08:25*	*11/14/23 21:54*	*1*
2-Fluorobiphenyl	*73*		*60 - 120*	*11/13/23 08:25*	*11/14/23 21:54*	*1*
2-Fluorophenol	*60*		*52 - 120*	*11/13/23 08:25*	*11/14/23 21:54*	*1*
Nitrobenzene-d5	*59*		*53 - 120*	*11/13/23 08:25*	*11/14/23 21:54*	*1*
Phenol-d5	*58*		*54 - 120*	*11/13/23 08:25*	*11/14/23 21:54*	*1*
p-Terphenyl-d14	*83*		*79 - 130*	*11/13/23 08:25*	*11/14/23 21:54*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.8	0.36	ug/Kg	☼	11/16/23 07:21	11/16/23 14:26	1
4,4'-DDE	ND		1.8	0.39	ug/Kg	☼	11/16/23 07:21	11/16/23 14:26	1
4,4'-DDT	**0.95**	**J**	1.8	0.43	ug/Kg	☼	11/16/23 07:21	11/16/23 14:26	1
Aldrin	ND		1.8	0.45	ug/Kg	☼	11/16/23 07:21	11/16/23 14:26	1
alpha-BHC	ND		1.8	0.33	ug/Kg	☼	11/16/23 07:21	11/16/23 14:26	1
cis-Chlordane	ND		1.8	0.92	ug/Kg	☼	11/16/23 07:21	11/16/23 14:26	1
beta-BHC	ND		1.8	0.33	ug/Kg	☼	11/16/23 07:21	11/16/23 14:26	1
delta-BHC	ND		1.8	0.34	ug/Kg	☼	11/16/23 07:21	11/16/23 14:26	1
Dieldrin	**0.60**	**J**	1.8	0.44	ug/Kg	☼	11/16/23 07:21	11/16/23 14:26	1
Endosulfan I	ND		1.8	0.35	ug/Kg	☼	11/16/23 07:21	11/16/23 14:26	1
Endosulfan II	ND		1.8	0.33	ug/Kg	☼	11/16/23 07:21	11/16/23 14:26	1
Endosulfan sulfate	ND	*1	1.8	0.34	ug/Kg	☼	11/16/23 07:21	11/16/23 14:26	1
Endrin	ND		1.8	0.36	ug/Kg	☼	11/16/23 07:21	11/16/23 14:26	1
gamma-BHC (Lindane)	ND		1.8	0.34	ug/Kg	☼	11/16/23 07:21	11/16/23 14:26	1
Heptachlor	ND		1.8	0.40	ug/Kg	☼	11/16/23 07:21	11/16/23 14:26	1

Client Sample ID: SOIL-AC EXCAVATION (1-2.5)
Lab Sample ID: 480-214763-1

Date Collected: 11/09/23 09:20
Matrix: Solid
Date Received: 11/10/23 09:00
Percent Solids: 89.2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*119*		*45 - 120*	*11/16/23 07:21*	*11/16/23 14:26*	*1*
Tetrachloro-m-xylene	*91*		*30 - 124*	*11/16/23 07:21*	*11/16/23 14:26*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.20	0.038	mg/Kg	☼	11/14/23 08:35	11/15/23 15:24	1
PCB-1221	ND		0.20	0.038	mg/Kg	☼	11/14/23 08:35	11/15/23 15:24	1
PCB-1232	ND		0.20	0.038	mg/Kg	☼	11/14/23 08:35	11/15/23 15:24	1
PCB-1242	ND		0.20	0.038	mg/Kg	☼	11/14/23 08:35	11/15/23 15:24	1
PCB-1248	ND		0.20	0.038	mg/Kg	☼	11/14/23 08:35	11/15/23 15:24	1
PCB-1254	ND		0.20	0.091	mg/Kg	☼	11/14/23 08:35	11/15/23 15:24	1
PCB-1260	ND		0.20	0.091	mg/Kg	☼	11/14/23 08:35	11/15/23 15:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*103*		*60 - 154*	*11/14/23 08:35*	*11/15/23 15:24*	*1*
DCB Decachlorobiphenyl	*111*		*65 - 174*	*11/14/23 08:35*	*11/15/23 15:24*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		18	6.6	ug/Kg	☼	11/16/23 12:56	11/20/23 10:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*86*		*28 - 129*	*11/16/23 12:56*	*11/20/23 10:24*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**9.9**		2.2	0.44	mg/Kg	☼	11/13/23 14:26	11/27/23 23:52	1
Barium	**56.7**		0.55	0.12	mg/Kg	☼	11/13/23 14:26	11/27/23 23:52	1
Cadmium	**1.2**	**B**	0.22	0.033	mg/Kg	☼	11/13/23 14:26	11/27/23 23:52	1
Chromium	**14.3**		0.55	0.22	mg/Kg	☼	11/13/23 14:26	11/27/23 23:52	1
Lead	**29.7**		1.1	0.27	mg/Kg	☼	11/13/23 14:26	11/27/23 23:52	1
Selenium	ND		4.4	0.44	mg/Kg	☼	11/13/23 14:26	11/29/23 13:09	1
Silver	ND		3.3	1.1	mg/Kg	☼	11/13/23 14:26	11/28/23 00:00	5

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.028**		0.022	0.0051	mg/Kg	☼	11/15/23 11:11	11/15/23 13:32	1

Client Sample ID: SOIL-AC EXCAVATION (0-1)
Lab Sample ID: 480-214763-2

Date Collected: 11/09/23 10:30
Matrix: Solid
Date Received: 11/10/23 09:00
Percent Solids: 81.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**140**		60	17	ug/Kg	☼	11/14/23 09:55	11/14/23 19:05	1
1,1,2,2-Tetrachloroethane	ND		60	9.8	ug/Kg	☼	11/14/23 09:55	11/14/23 19:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		60	30	ug/Kg	☼	11/14/23 09:55	11/14/23 19:05	1
1,1,2-Trichloroethane	ND		60	13	ug/Kg	☼	11/14/23 09:55	11/14/23 19:05	1
1,1-Dichloroethane	ND		60	19	ug/Kg	☼	11/14/23 09:55	11/14/23 19:05	1
1,1-Dichloroethene	ND		60	21	ug/Kg	☼	11/14/23 09:55	11/14/23 19:05	1
1,2,4-Trichlorobenzene	ND		60	23	ug/Kg	☼	11/14/23 09:55	11/14/23 19:05	1
1,2-Dibromo-3-Chloropropane	ND		60	30	ug/Kg	☼	11/14/23 09:55	11/14/23 19:05	1

Client Sample ID: SOIL-AC EXCAVATION (0-1)
Lab Sample ID: 480-214763-2

Date Collected: 11/09/23 10:30
Matrix: Solid
Date Received: 11/10/23 09:00
Percent Solids: 81.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		60	11	ug/Kg	☼	11/14/23 09:55	11/14/23 19:05	1
1,2-Dichlorobenzene	ND		60	15	ug/Kg	☼	11/14/23 09:55	11/14/23 19:05	1
1,2-Dichloroethane	ND		60	25	ug/Kg	☼	11/14/23 09:55	11/14/23 19:05	1
1,2-Dichloropropane	ND		60	9.8	ug/Kg	☼	11/14/23 09:55	11/14/23 19:05	1
1,3-Dichlorobenzene	ND		60	16	ug/Kg	☼	11/14/23 09:55	11/14/23 19:05	1
1,4-Dichlorobenzene	ND		60	8.4	ug/Kg	☼	11/14/23 09:55	11/14/23 19:05	1
2-Butanone (MEK)	ND		300	180	ug/Kg	☼	11/14/23 09:55	11/14/23 19:05	1
2-Hexanone	ND		300	120	ug/Kg	☼	11/14/23 09:55	11/14/23 19:05	1
4-Methyl-2-pentanone (MIBK)	ND		300	19	ug/Kg	☼	11/14/23 09:55	11/14/23 19:05	1
Acetone	ND		300	250	ug/Kg	☼	11/14/23 09:55	11/14/23 19:05	1
Benzene	ND		60	11	ug/Kg	☼	11/14/23 09:55	11/14/23 19:05	1
Bromodichloromethane	ND		60	12	ug/Kg	☼	11/14/23 09:55	11/14/23 19:05	1
Bromoform	ND		60	30	ug/Kg	☼	11/14/23 09:55	11/14/23 19:05	1
Bromomethane	ND		60	13	ug/Kg	☼	11/14/23 09:55	11/14/23 19:05	1
Carbon disulfide	ND		60	27	ug/Kg	☼	11/14/23 09:55	11/14/23 19:05	1
Carbon tetrachloride	ND		60	15	ug/Kg	☼	11/14/23 09:55	11/14/23 19:05	1
Chlorobenzene	ND		60	8.0	ug/Kg	☼	11/14/23 09:55	11/14/23 19:05	1
Chloroethane	ND		60	13	ug/Kg	☼	11/14/23 09:55	11/14/23 19:05	1
Chloroform	ND		60	41	ug/Kg	☼	11/14/23 09:55	11/14/23 19:05	1
Chloromethane	ND		60	14	ug/Kg	☼	11/14/23 09:55	11/14/23 19:05	1
cis-1,2-Dichloroethene	ND		60	17	ug/Kg	☼	11/14/23 09:55	11/14/23 19:05	1
cis-1,3-Dichloropropene	ND		60	14	ug/Kg	☼	11/14/23 09:55	11/14/23 19:05	1
Cyclohexane	**220**		60	13	ug/Kg	☼	11/14/23 09:55	11/14/23 19:05	1
Dibromochloromethane	ND		60	29	ug/Kg	☼	11/14/23 09:55	11/14/23 19:05	1
Dichlorodifluoromethane	ND		60	26	ug/Kg	☼	11/14/23 09:55	11/14/23 19:05	1
Ethylbenzene	**27**	**J**	60	18	ug/Kg	☼	11/14/23 09:55	11/14/23 19:05	1
Isopropylbenzene	**30**	**J**	60	9.1	ug/Kg	☼	11/14/23 09:55	11/14/23 19:05	1
Methyl acetate	**440**		300	29	ug/Kg	☼	11/14/23 09:55	11/14/23 19:05	1
Methyl tert-butyl ether	ND		60	23	ug/Kg	☼	11/14/23 09:55	11/14/23 19:05	1
Methylcyclohexane	**530**		60	28	ug/Kg	☼	11/14/23 09:55	11/14/23 19:05	1
Methylene Chloride	ND		60	12	ug/Kg	☼	11/14/23 09:55	11/14/23 19:05	1
Styrene	ND		60	15	ug/Kg	☼	11/14/23 09:55	11/14/23 19:05	1
Tetrachloroethene	ND		60	8.1	ug/Kg	☼	11/14/23 09:55	11/14/23 19:05	1
Toluene	**110**		60	16	ug/Kg	☼	11/14/23 09:55	11/14/23 19:05	1
trans-1,2-Dichloroethene	ND		60	14	ug/Kg	☼	11/14/23 09:55	11/14/23 19:05	1
trans-1,3-Dichloropropene	ND		60	5.9	ug/Kg	☼	11/14/23 09:55	11/14/23 19:05	1
Trichloroethene	ND		60	17	ug/Kg	☼	11/14/23 09:55	11/14/23 19:05	1
Trichlorofluoromethane	ND		60	28	ug/Kg	☼	11/14/23 09:55	11/14/23 19:05	1
Vinyl chloride	ND		60	20	ug/Kg	☼	11/14/23 09:55	11/14/23 19:05	1
Xylenes, Total	**260**		120	33	ug/Kg	☼	11/14/23 09:55	11/14/23 19:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*53 - 146*	*11/14/23 09:55*	*11/14/23 19:05*	*1*
4-Bromofluorobenzene (Surr)	*95*		*49 - 148*	*11/14/23 09:55*	*11/14/23 19:05*	*1*
Dibromofluoromethane (Surr)	*94*		*60 - 140*	*11/14/23 09:55*	*11/14/23 19:05*	*1*
Toluene-d8 (Surr)	*95*		*50 - 149*	*11/14/23 09:55*	*11/14/23 19:05*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		1200	670	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10

Client: CHA Inc
Job ID: 480-214763-1
Project/Site: CHGE Danskammer - AC Excavation

Client Sample ID: SOIL-AC EXCAVATION (0-1)
Lab Sample ID: 480-214763-2
Date Collected: 11/09/23 10:30
Matrix: Solid
Date Received: 11/10/23 09:00
Percent Solids: 81.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		2100	560	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
2,4,6-Trichlorophenol	ND		2100	410	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
2,4-Dichlorophenol	ND		2100	220	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
2,4-Dimethylphenol	ND		2100	500	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
2,4-Dinitrophenol	ND		20000	9600	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
2,4-Dinitrotoluene	ND		2100	430	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
2,6-Dinitrotoluene	ND		2100	240	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
2-Chloronaphthalene	ND		2100	340	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
2-Chlorophenol	ND		4000	380	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
2-Methylnaphthalene	**970**	**J**	2100	410	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
2-Methylphenol	ND		2100	240	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
2-Nitroaniline	ND		4000	300	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
2-Nitrophenol	ND		2100	590	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
3,3'-Dichlorobenzidine	ND		4000	2400	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
3-Nitroaniline	ND		4000	570	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
4,6-Dinitro-2-methylphenol	ND		4000	2100	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
4-Bromophenyl phenyl ether	ND		2100	290	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
4-Chloro-3-methylphenol	ND		2100	510	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
4-Chloroaniline	ND		2100	510	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
4-Chlorophenyl phenyl ether	ND		2100	260	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
4-Methylphenol	ND		4000	240	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
4-Nitroaniline	ND		4000	1100	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
4-Nitrophenol	ND		4000	1500	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
Acenaphthene	**700**	**J**	2100	300	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
Acenaphthylene	ND		2100	270	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
Acetophenone	ND		2100	280	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
Anthracene	**1300**	**J**	2100	510	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
Atrazine	ND		2100	720	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
Benzaldehyde	ND		2100	1600	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
Benzo[a]anthracene	**5600**		2100	210	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
Benzo[a]pyrene	**5000**		2100	300	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
Benzo[b]fluoranthene	**6300**		2100	330	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
Benzo[g,h,i]perylene	**3000**		2100	220	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
Benzo[k]fluoranthene	**2400**		2100	270	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
Biphenyl	ND		2100	300	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
bis (2-chloroisopropyl) ether	ND		2100	410	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
Bis(2-chloroethoxy)methane	ND		2100	440	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
Bis(2-chloroethyl)ether	ND		2100	270	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
Bis(2-ethylhexyl) phthalate	ND		2100	710	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
Butyl benzyl phthalate	ND		2100	340	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
Caprolactam	ND		2100	620	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
Carbazole	**720**	**J**	2100	240	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
Chrysene	**6200**		2100	460	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
Dibenz(a,h)anthracene	**1100**	**J**	2100	370	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
Dibenzofuran	**540**	**J**	2100	240	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
Diethyl phthalate	ND		2100	270	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
Dimethyl phthalate	ND		2100	240	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
Di-n-butyl phthalate	ND		2100	350	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
Di-n-octyl phthalate	ND		2100	240	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10

Client Sample ID: SOIL-AC EXCAVATION (0-1)
Lab Sample ID: 480-214763-2

Date Collected: 11/09/23 10:30
Matrix: Solid

Date Received: 11/10/23 09:00
Percent Solids: 81.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**9200**		2100	220	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
Fluorene	**590**	**J**	2100	240	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
Hexachlorobenzene	ND		2100	280	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
Hexachlorobutadiene	ND		2100	300	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
Hexachlorocyclopentadiene	ND		2100	280	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
Hexachloroethane	ND		2100	270	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
Indeno[1,2,3-cd]pyrene	**2500**		2100	260	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
Isophorone	ND		2100	440	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
Naphthalene	**580**	**J**	2100	270	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
Nitrobenzene	ND		2100	230	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
N-Nitrosodi-n-propylamine	ND		2100	350	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
N-Nitrosodiphenylamine	ND		2100	1700	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
Pentachlorophenol	ND		4000	2100	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
Phenanthrene	**6200**		2100	300	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
Phenol	ND		2100	320	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10
Pyrene	**7800**		2100	240	ug/Kg	☼	11/13/23 08:25	11/14/23 22:19	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*0*	*S1-*	*54 - 120*	*11/13/23 08:25*	*11/14/23 22:19*	*10*
2-Fluorobiphenyl	*57*	*S1-*	*60 - 120*	*11/13/23 08:25*	*11/14/23 22:19*	*10*
2-Fluorophenol	*63*		*52 - 120*	*11/13/23 08:25*	*11/14/23 22:19*	*10*
Nitrobenzene-d5	*67*		*53 - 120*	*11/13/23 08:25*	*11/14/23 22:19*	*10*
Phenol-d5	*61*		*54 - 120*	*11/13/23 08:25*	*11/14/23 22:19*	*10*
p-Terphenyl-d14	*72*	*S1-*	*79 - 130*	*11/13/23 08:25*	*11/14/23 22:19*	*10*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	**7.6**	**J**	20	3.9	ug/Kg	☼	11/16/23 07:21	11/16/23 14:46	10
4,4'-DDE	**4.7**	**J**	20	4.3	ug/Kg	☼	11/16/23 07:21	11/16/23 14:46	10
4,4'-DDT	ND		20	4.7	ug/Kg	☼	11/16/23 07:21	11/16/23 14:46	10
Aldrin	ND		20	5.0	ug/Kg	☼	11/16/23 07:21	11/16/23 14:46	10
alpha-BHC	ND		20	3.6	ug/Kg	☼	11/16/23 07:21	11/16/23 14:46	10
cis-Chlordane	ND		20	10	ug/Kg	☼	11/16/23 07:21	11/16/23 14:46	10
beta-BHC	**4.7**	**J**	20	3.6	ug/Kg	☼	11/16/23 07:21	11/16/23 14:46	10
delta-BHC	ND		20	3.8	ug/Kg	☼	11/16/23 07:21	11/16/23 14:46	10
Dieldrin	**22**		20	4.9	ug/Kg	☼	11/16/23 07:21	11/16/23 14:46	10
Endosulfan I	ND		20	3.9	ug/Kg	☼	11/16/23 07:21	11/16/23 14:46	10
Endosulfan II	ND		20	3.6	ug/Kg	☼	11/16/23 07:21	11/16/23 14:46	10
Endosulfan sulfate	ND	*1	20	3.8	ug/Kg	☼	11/16/23 07:21	11/16/23 14:46	10
Endrin	ND		20	4.0	ug/Kg	☼	11/16/23 07:21	11/16/23 14:46	10
gamma-BHC (Lindane)	ND		20	3.7	ug/Kg	☼	11/16/23 07:21	11/16/23 14:46	10
Heptachlor	ND		20	4.4	ug/Kg	☼	11/16/23 07:21	11/16/23 14:46	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*246*	*S1+*	*45 - 120*	*11/16/23 07:21*	*11/16/23 14:46*	*10*
Tetrachloro-m-xylene	*90*		*30 - 124*	*11/16/23 07:21*	*11/16/23 14:46*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.048	mg/Kg	☼	11/14/23 08:35	11/15/23 15:42	1

Client Sample ID: SOIL-AC EXCAVATION (0-1)
Lab Sample ID: 480-214763-2

Date Collected: 11/09/23 10:30
Matrix: Solid
Date Received: 11/10/23 09:00
Percent Solids: 81.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1221	ND		0.25	0.048	mg/Kg	☼	11/14/23 08:35	11/15/23 15:42	1
PCB-1232	ND		0.25	0.048	mg/Kg	☼	11/14/23 08:35	11/15/23 15:42	1
PCB-1242	ND		0.25	0.048	mg/Kg	☼	11/14/23 08:35	11/15/23 15:42	1
PCB-1248	ND		0.25	0.048	mg/Kg	☼	11/14/23 08:35	11/15/23 15:42	1
PCB-1254	ND		0.25	0.11	mg/Kg	☼	11/14/23 08:35	11/15/23 15:42	1
PCB-1260	**1.6**		0.25	0.11	mg/Kg	☼	11/14/23 08:35	11/15/23 15:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*104*		*60 - 154*	*11/14/23 08:35*	*11/15/23 15:42*	*1*
DCB Decachlorobiphenyl	*110*		*65 - 174*	*11/14/23 08:35*	*11/15/23 15:42*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		20	7.3	ug/Kg	☼	11/16/23 12:56	11/20/23 10:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*91*		*28 - 129*	*11/16/23 12:56*	*11/20/23 10:43*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**37.2**		2.5	0.50	mg/Kg	☼	11/13/23 14:26	11/27/23 23:56	1
Barium	**268**		0.62	0.14	mg/Kg	☼	11/13/23 14:26	11/27/23 23:56	1
Cadmium	**4.1**	**B**	0.25	0.037	mg/Kg	☼	11/13/23 14:26	11/27/23 23:56	1
Chromium	**18.0**		0.62	0.25	mg/Kg	☼	11/13/23 14:26	11/27/23 23:56	1
Lead	**215**		1.2	0.30	mg/Kg	☼	11/13/23 14:26	11/27/23 23:56	1
Selenium	**1.5**	**J**	5.0	0.50	mg/Kg	☼	11/13/23 14:26	11/29/23 13:12	1
Silver	ND		0.74	0.25	mg/Kg	☼	11/13/23 14:26	11/27/23 23:56	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.18**		0.024	0.0055	mg/Kg	☼	11/15/23 11:11	11/15/23 13:36	1

Client Sample ID: WATER-AC EXCAVATION-110923
Lab Sample ID: 480-214763-3

Date Collected: 11/09/23 10:15
Matrix: Water
Date Received: 11/10/23 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/15/23 03:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/15/23 03:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/15/23 03:13	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/15/23 03:13	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/15/23 03:13	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/15/23 03:13	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/15/23 03:13	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/15/23 03:13	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/15/23 03:13	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/15/23 03:13	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/15/23 03:13	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/15/23 03:13	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/15/23 03:13	1

Client Sample ID: WATER-AC EXCAVATION-110923
Lab Sample ID: 480-214763-3
Date Collected: 11/09/23 10:15
Matrix: Water
Date Received: 11/10/23 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/15/23 03:13	1
1,4-Dioxane	ND	*+ *1	40	9.3	ug/L			11/15/23 03:13	1
2-Butanone (MEK)	**2.3**	**J**	10	1.3	ug/L			11/15/23 03:13	1
2-Hexanone	ND		5.0	1.2	ug/L			11/15/23 03:13	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/15/23 03:13	1
Acetone	**12**		10	3.0	ug/L			11/15/23 03:13	1
Benzene	ND		1.0	0.41	ug/L			11/15/23 03:13	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/15/23 03:13	1
Bromoform	ND	*1	1.0	0.26	ug/L			11/15/23 03:13	1
Bromomethane	ND		1.0	0.69	ug/L			11/15/23 03:13	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/15/23 03:13	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/15/23 03:13	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/15/23 03:13	1
Chloroethane	ND		1.0	0.32	ug/L			11/15/23 03:13	1
Chloroform	ND		1.0	0.34	ug/L			11/15/23 03:13	1
Chloromethane	ND		1.0	0.35	ug/L			11/15/23 03:13	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/15/23 03:13	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/15/23 03:13	1
Cyclohexane	ND		1.0	0.18	ug/L			11/15/23 03:13	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/15/23 03:13	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/15/23 03:13	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/15/23 03:13	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/15/23 03:13	1
Methyl acetate	ND		2.5	1.3	ug/L			11/15/23 03:13	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/15/23 03:13	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/15/23 03:13	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/15/23 03:13	1
Styrene	ND		1.0	0.73	ug/L			11/15/23 03:13	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/15/23 03:13	1
Toluene	ND		1.0	0.51	ug/L			11/15/23 03:13	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/15/23 03:13	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/15/23 03:13	1
Trichloroethene	ND		1.0	0.46	ug/L			11/15/23 03:13	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/15/23 03:13	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/15/23 03:13	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/15/23 03:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*11/15/23 03:13*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*11/15/23 03:13*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*11/15/23 03:13*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*11/15/23 03:13*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		25	2.4	ug/L		11/13/23 08:51	11/15/23 04:23	5
2,4,6-Trichlorophenol	ND		25	3.1	ug/L		11/13/23 08:51	11/15/23 04:23	5
2,4-Dichlorophenol	ND		25	2.6	ug/L		11/13/23 08:51	11/15/23 04:23	5
2,4-Dinitrophenol	ND		50	11	ug/L		11/13/23 08:51	11/15/23 04:23	5
2,4-Dinitrotoluene	ND		25	2.2	ug/L		11/13/23 08:51	11/15/23 04:23	5

Client: CHA Inc
Job ID: 480-214763-1
Project/Site: CHGE Danskammer - AC Excavation

Client Sample ID: WATER-AC EXCAVATION-110923
Lab Sample ID: 480-214763-3
Date Collected: 11/09/23 10:15
Matrix: Water
Date Received: 11/10/23 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		25	2.0	ug/L		11/13/23 08:51	11/15/23 04:23	5
2-Chloronaphthalene	ND		25	2.3	ug/L		11/13/23 08:51	11/15/23 04:23	5
2-Chlorophenol	ND		25	2.7	ug/L		11/13/23 08:51	11/15/23 04:23	5
2-Methylnaphthalene	ND		25	3.0	ug/L		11/13/23 08:51	11/15/23 04:23	5
2-Nitroaniline	ND		50	2.1	ug/L		11/13/23 08:51	11/15/23 04:23	5
2-Nitrophenol	ND		25	2.4	ug/L		11/13/23 08:51	11/15/23 04:23	5
3,3'-Dichlorobenzidine	ND		25	2.0	ug/L		11/13/23 08:51	11/15/23 04:23	5
3-Nitroaniline	ND		50	2.4	ug/L		11/13/23 08:51	11/15/23 04:23	5
4,6-Dinitro-2-methylphenol	ND		50	11	ug/L		11/13/23 08:51	11/15/23 04:23	5
4-Bromophenyl phenyl ether	ND		25	2.3	ug/L		11/13/23 08:51	11/15/23 04:23	5
4-Chloro-3-methylphenol	ND		25	2.3	ug/L		11/13/23 08:51	11/15/23 04:23	5
4-Chloroaniline	ND		25	3.0	ug/L		11/13/23 08:51	11/15/23 04:23	5
4-Chlorophenyl phenyl ether	ND		25	1.8	ug/L		11/13/23 08:51	11/15/23 04:23	5
4-Nitroaniline	ND		50	1.3	ug/L		11/13/23 08:51	11/15/23 04:23	5
4-Nitrophenol	ND		50	7.6	ug/L		11/13/23 08:51	11/15/23 04:23	5
Acenaphthene	ND		25	2.1	ug/L		11/13/23 08:51	11/15/23 04:23	5
Acenaphthylene	ND		25	1.9	ug/L		11/13/23 08:51	11/15/23 04:23	5
Acetophenone	ND		25	2.7	ug/L		11/13/23 08:51	11/15/23 04:23	5
Anthracene	ND		25	1.4	ug/L		11/13/23 08:51	11/15/23 04:23	5
Atrazine	ND		25	2.3	ug/L		11/13/23 08:51	11/15/23 04:23	5
Benzaldehyde	ND		25	1.3	ug/L		11/13/23 08:51	11/15/23 04:23	5
Benzo(a)anthracene	ND		25	1.8	ug/L		11/13/23 08:51	11/15/23 04:23	5
Benzo(a)pyrene	ND		25	2.4	ug/L		11/13/23 08:51	11/15/23 04:23	5
Benzo(b)fluoranthene	ND		25	1.7	ug/L		11/13/23 08:51	11/15/23 04:23	5
Benzo(g,h,i)perylene	ND		25	1.8	ug/L		11/13/23 08:51	11/15/23 04:23	5
Benzo(k)fluoranthene	ND		25	3.7	ug/L		11/13/23 08:51	11/15/23 04:23	5
Biphenyl	ND		25	3.3	ug/L		11/13/23 08:51	11/15/23 04:23	5
bis (2-chloroisopropyl) ether	ND		25	2.6	ug/L		11/13/23 08:51	11/15/23 04:23	5
Bis(2-chloroethoxy)methane	ND		25	1.8	ug/L		11/13/23 08:51	11/15/23 04:23	5
Bis(2-chloroethyl)ether	ND		25	2.0	ug/L		11/13/23 08:51	11/15/23 04:23	5
Bis(2-ethylhexyl) phthalate	ND		25	11	ug/L		11/13/23 08:51	11/15/23 04:23	5
Butyl benzyl phthalate	ND		25	5.0	ug/L		11/13/23 08:51	11/15/23 04:23	5
Caprolactam	ND		25	11	ug/L		11/13/23 08:51	11/15/23 04:23	5
Carbazole	ND		25	1.5	ug/L		11/13/23 08:51	11/15/23 04:23	5
Chrysene	ND		25	1.7	ug/L		11/13/23 08:51	11/15/23 04:23	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		11/13/23 08:51	11/15/23 04:23	5
Dibenzofuran	ND		50	2.6	ug/L		11/13/23 08:51	11/15/23 04:23	5
Diethyl phthalate	ND		25	1.1	ug/L		11/13/23 08:51	11/15/23 04:23	5
Dimethyl phthalate	ND		25	1.8	ug/L		11/13/23 08:51	11/15/23 04:23	5
Di-n-butyl phthalate	ND		25	1.6	ug/L		11/13/23 08:51	11/15/23 04:23	5
Di-n-octyl phthalate	ND		25	2.4	ug/L		11/13/23 08:51	11/15/23 04:23	5
Fluoranthene	ND		25	2.0	ug/L		11/13/23 08:51	11/15/23 04:23	5
Fluorene	ND		25	1.8	ug/L		11/13/23 08:51	11/15/23 04:23	5
Hexachlorobenzene	ND		25	2.6	ug/L		11/13/23 08:51	11/15/23 04:23	5
Hexachlorobutadiene	ND		25	3.4	ug/L		11/13/23 08:51	11/15/23 04:23	5
Hexachlorocyclopentadiene	ND		25	3.0	ug/L		11/13/23 08:51	11/15/23 04:23	5
Hexachloroethane	ND		25	3.0	ug/L		11/13/23 08:51	11/15/23 04:23	5
Indeno(1,2,3-cd)pyrene	ND		25	2.4	ug/L		11/13/23 08:51	11/15/23 04:23	5
Isophorone	ND		25	2.2	ug/L		11/13/23 08:51	11/15/23 04:23	5

Client Sample ID: WATER-AC EXCAVATION-110923
Lab Sample ID: 480-214763-3
Date Collected: 11/09/23 10:15
Matrix: Water
Date Received: 11/10/23 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		25	3.8	ug/L		11/13/23 08:51	11/15/23 04:23	5
Nitrobenzene	ND		25	1.5	ug/L		11/13/23 08:51	11/15/23 04:23	5
N-Nitrosodi-n-propylamine	ND		25	2.7	ug/L		11/13/23 08:51	11/15/23 04:23	5
N-Nitrosodiphenylamine	ND		25	2.6	ug/L		11/13/23 08:51	11/15/23 04:23	5
Pentachlorophenol	ND		50	11	ug/L		11/13/23 08:51	11/15/23 04:23	5
Phenanthrene	ND		25	2.2	ug/L		11/13/23 08:51	11/15/23 04:23	5
Pyrene	ND		25	1.7	ug/L		11/13/23 08:51	11/15/23 04:23	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*74*		*41 - 120*	*11/13/23 08:51*	*11/15/23 04:23*	*5*
2-Fluorobiphenyl	*89*		*48 - 120*	*11/13/23 08:51*	*11/15/23 04:23*	*5*
2-Fluorophenol	*68*		*35 - 120*	*11/13/23 08:51*	*11/15/23 04:23*	*5*
Nitrobenzene-d5	*91*		*46 - 120*	*11/13/23 08:51*	*11/15/23 04:23*	*5*
Phenol-d5	*49*		*22 - 120*	*11/13/23 08:51*	*11/15/23 04:23*	*5*
p-Terphenyl-d14	*71*		*60 - 148*	*11/13/23 08:51*	*11/15/23 04:23*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	**550**		500	50	ug/L		11/13/23 08:51	11/15/23 20:17	100
2-Methylphenol	**690**		500	40	ug/L		11/13/23 08:51	11/15/23 20:17	100
4-Methylphenol	**2000**		1000	36	ug/L		11/13/23 08:51	11/15/23 20:17	100
Phenol	**630**		500	39	ug/L		11/13/23 08:51	11/15/23 20:17	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*0*	*S1-*	*41 - 120*	*11/13/23 08:51*	*11/15/23 20:17*	*100*
2-Fluorobiphenyl	*21*	*S1-*	*48 - 120*	*11/13/23 08:51*	*11/15/23 20:17*	*100*
2-Fluorophenol	*65*		*35 - 120*	*11/13/23 08:51*	*11/15/23 20:17*	*100*
Nitrobenzene-d5	*94*		*46 - 120*	*11/13/23 08:51*	*11/15/23 20:17*	*100*
Phenol-d5	*0*	*S1-*	*22 - 120*	*11/13/23 08:51*	*11/15/23 20:17*	*100*
p-Terphenyl-d14	*52*	*S1-*	*60 - 148*	*11/13/23 08:51*	*11/15/23 20:17*	*100*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		11/13/23 07:17	11/14/23 12:56	1
4,4'-DDE	ND		0.050	0.012	ug/L		11/13/23 07:17	11/14/23 12:56	1
4,4'-DDT	**0.029**	**J**	0.050	0.011	ug/L		11/13/23 07:17	11/14/23 12:56	1
Aldrin	**0.013**	**J**	0.050	0.0081	ug/L		11/13/23 07:17	11/14/23 12:56	1
alpha-BHC	ND		0.050	0.0077	ug/L		11/13/23 07:17	11/14/23 12:56	1
cis-Chlordane	ND		0.050	0.015	ug/L		11/13/23 07:17	11/14/23 12:56	1
beta-BHC	**0.028**	**J**	0.050	0.025	ug/L		11/13/23 07:17	11/14/23 12:56	1
delta-BHC	**0.015**	**J**	0.050	0.010	ug/L		11/13/23 07:17	11/14/23 12:56	1
Dieldrin	**0.017**	**J**	0.050	0.0098	ug/L		11/13/23 07:17	11/14/23 12:56	1
Endosulfan I	ND		0.050	0.011	ug/L		11/13/23 07:17	11/14/23 12:56	1
Endosulfan II	ND		0.050	0.012	ug/L		11/13/23 07:17	11/14/23 12:56	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		11/13/23 07:17	11/14/23 12:56	1
Endrin	ND		0.050	0.014	ug/L		11/13/23 07:17	11/14/23 12:56	1
gamma-BHC (Lindane)	**0.029**	**J**	0.050	0.0080	ug/L		11/13/23 07:17	11/14/23 12:56	1
Heptachlor	ND		0.050	0.0085	ug/L		11/13/23 07:17	11/14/23 12:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*39*		*20 - 120*	*11/13/23 07:17*	*11/14/23 12:56*	*1*

Client Sample ID: WATER-AC EXCAVATION-110923

Lab Sample ID: 480-214763-3
Date Collected: 11/09/23 10:15
Matrix: Water
Date Received: 11/10/23 09:00

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*56*		*44 - 120*	*11/13/23 07:17*	*11/14/23 12:56*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		11/16/23 06:55	11/17/23 15:16	1
PCB-1221	ND		0.50	0.18	ug/L		11/16/23 06:55	11/17/23 15:16	1
PCB-1232	ND		0.50	0.18	ug/L		11/16/23 06:55	11/17/23 15:16	1
PCB-1242	ND		0.50	0.18	ug/L		11/16/23 06:55	11/17/23 15:16	1
PCB-1248	ND		0.50	0.18	ug/L		11/16/23 06:55	11/17/23 15:16	1
PCB-1254	ND		0.50	0.25	ug/L		11/16/23 06:55	11/17/23 15:16	1
PCB-1260	ND		0.50	0.25	ug/L		11/16/23 06:55	11/17/23 15:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*25*		*19 - 120*	*11/16/23 06:55*	*11/17/23 15:16*	*1*
Tetrachloro-m-xylene	*61*		*39 - 121*	*11/16/23 06:55*	*11/17/23 15:16*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.52	0.052	ug/L		11/12/23 09:33	11/13/23 19:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*73*		*21 - 143*	*11/12/23 09:33*	*11/13/23 19:44*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.19**		0.015	0.0056	mg/L		11/14/23 08:42	11/18/23 16:18	1
Barium	**0.72**		0.0020	0.00070	mg/L		11/14/23 08:42	11/18/23 16:18	1
Cadmium	**0.016**		0.0020	0.00050	mg/L		11/14/23 08:42	11/18/23 16:18	1
Chromium	**0.086**		0.0040	0.0010	mg/L		11/14/23 08:42	11/18/23 16:18	1
Lead	**0.82**		0.010	0.0030	mg/L		11/14/23 08:42	11/18/23 16:18	1
Selenium	ND		0.025	0.0087	mg/L		11/14/23 08:42	11/18/23 16:18	1
Silver	ND		0.0060	0.0017	mg/L		11/14/23 08:42	11/18/23 16:18	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.00044**	**J**	0.00060	0.00013	mg/L		11/13/23 11:20	11/13/23 15:34	1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-214763-4
Date Collected: 11/09/23 00:00
Matrix: Water
Date Received: 11/10/23 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/15/23 03:37	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/15/23 03:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/15/23 03:37	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/15/23 03:37	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/15/23 03:37	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/15/23 03:37	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/15/23 03:37	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/15/23 03:37	1

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-214763-4
Date Collected: 11/09/23 00:00
Matrix: Water
Date Received: 11/10/23 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/15/23 03:37	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/15/23 03:37	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/15/23 03:37	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/15/23 03:37	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/15/23 03:37	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/15/23 03:37	1
1,4-Dioxane	ND	*+ *1	40	9.3	ug/L			11/15/23 03:37	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/15/23 03:37	1
2-Hexanone	ND		5.0	1.2	ug/L			11/15/23 03:37	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/15/23 03:37	1
Acetone	ND		10	3.0	ug/L			11/15/23 03:37	1
Benzene	ND		1.0	0.41	ug/L			11/15/23 03:37	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/15/23 03:37	1
Bromoform	ND	*1	1.0	0.26	ug/L			11/15/23 03:37	1
Bromomethane	ND		1.0	0.69	ug/L			11/15/23 03:37	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/15/23 03:37	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/15/23 03:37	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/15/23 03:37	1
Chloroethane	ND		1.0	0.32	ug/L			11/15/23 03:37	1
Chloroform	**2.3**		1.0	0.34	ug/L			11/15/23 03:37	1
Chloromethane	ND		1.0	0.35	ug/L			11/15/23 03:37	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/15/23 03:37	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/15/23 03:37	1
Cyclohexane	ND		1.0	0.18	ug/L			11/15/23 03:37	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/15/23 03:37	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/15/23 03:37	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/15/23 03:37	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/15/23 03:37	1
Methyl acetate	ND		2.5	1.3	ug/L			11/15/23 03:37	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/15/23 03:37	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/15/23 03:37	1
Methylene Chloride	**0.44**	**J**	1.0	0.44	ug/L			11/15/23 03:37	1
Styrene	ND		1.0	0.73	ug/L			11/15/23 03:37	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/15/23 03:37	1
Toluene	ND		1.0	0.51	ug/L			11/15/23 03:37	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/15/23 03:37	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/15/23 03:37	1
Trichloroethene	ND		1.0	0.46	ug/L			11/15/23 03:37	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/15/23 03:37	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/15/23 03:37	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/15/23 03:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*11/15/23 03:37*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*11/15/23 03:37*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*11/15/23 03:37*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*11/15/23 03:37*	*1*

Client Sample ID: SOIL-AC EXCAVATION-WASTE CHAR
Lab Sample ID: 480-214763-5

Date Collected: 11/09/23 11:20
Matrix: Solid
Date Received: 11/10/23 09:00

Method: SW846 8260C - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0041	mg/L			11/15/23 14:13	10
Carbon tetrachloride	ND	*+	0.010	0.0027	mg/L			11/15/23 14:13	10
Chlorobenzene	ND		0.010	0.0075	mg/L			11/15/23 14:13	10
Chloroform	ND		0.010	0.0034	mg/L			11/15/23 14:13	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			11/15/23 14:13	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			11/15/23 14:13	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			11/15/23 14:13	10
Tetrachloroethene	ND	*+	0.010	0.0036	mg/L			11/15/23 14:13	10
Trichloroethene	ND		0.010	0.0046	mg/L			11/15/23 14:13	10
Vinyl chloride	ND		0.010	0.0090	mg/L			11/15/23 14:13	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*11/15/23 14:13*	*10*
Toluene-d8 (Surr)	*107*		*80 - 120*		*11/15/23 14:13*	*10*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*11/15/23 14:13*	*10*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*11/15/23 14:13*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.040	0.0018	mg/L		11/15/23 09:28	11/22/23 05:16	1
2,4-Dinitrotoluene	ND		0.020	0.0017	mg/L		11/15/23 09:28	11/22/23 05:16	1
Hexachlorobenzene	ND		0.020	0.0020	mg/L		11/15/23 09:28	11/22/23 05:16	1
Hexachlorobutadiene	ND		0.020	0.0027	mg/L		11/15/23 09:28	11/22/23 05:16	1
Hexachloroethane	ND		0.020	0.0023	mg/L		11/15/23 09:28	11/22/23 05:16	1
3-Methylphenol	ND		0.040	0.0016	mg/L		11/15/23 09:28	11/22/23 05:16	1
2-Methylphenol	ND		0.020	0.0016	mg/L		11/15/23 09:28	11/22/23 05:16	1
4-Methylphenol	ND		0.040	0.0014	mg/L		11/15/23 09:28	11/22/23 05:16	1
Nitrobenzene	ND		0.020	0.0011	mg/L		11/15/23 09:28	11/22/23 05:16	1
Pentachlorophenol	ND		0.040	0.0088	mg/L		11/15/23 09:28	11/22/23 05:16	1
Pyridine	ND		0.10	0.0016	mg/L		11/15/23 09:28	11/22/23 05:16	1
2,4,5-Trichlorophenol	ND		0.020	0.0019	mg/L		11/15/23 09:28	11/22/23 05:16	1
2,4,6-Trichlorophenol	ND		0.020	0.0024	mg/L		11/15/23 09:28	11/22/23 05:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*91*		*41 - 120*	*11/15/23 09:28*	*11/22/23 05:16*	*1*
2-Fluorobiphenyl	*89*		*48 - 120*	*11/15/23 09:28*	*11/22/23 05:16*	*1*
2-Fluorophenol	*49*		*35 - 120*	*11/15/23 09:28*	*11/22/23 05:16*	*1*
Nitrobenzene-d5	*88*		*46 - 120*	*11/15/23 09:28*	*11/22/23 05:16*	*1*
p-Terphenyl-d14	*86*		*60 - 148*	*11/15/23 09:28*	*11/22/23 05:16*	*1*
Phenol-d5	*35*		*22 - 120*	*11/15/23 09:28*	*11/22/23 05:16*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	ND		0.00020	0.0000060	mg/L		11/15/23 09:33	11/16/23 11:49	1
Chlordane (technical)	ND		0.0020	0.000029	mg/L		11/15/23 09:33	11/16/23 11:49	1
Endrin	ND		0.00020	0.000014	mg/L		11/15/23 09:33	11/16/23 11:49	1
Heptachlor	ND		0.00020	0.0000085	mg/L		11/15/23 09:33	11/16/23 11:49	1
Heptachlor epoxide	ND		0.00020	0.0000053	mg/L		11/15/23 09:33	11/16/23 11:49	1
Methoxychlor	ND		0.00020	0.000014	mg/L		11/15/23 09:33	11/16/23 11:49	1
Toxaphene	ND		0.0020	0.00012	mg/L		11/15/23 09:33	11/16/23 11:49	1

Client Sample ID: SOIL-AC EXCAVATION-WASTE CHAR
Lab Sample ID: 480-214763-5
Date Collected: 11/09/23 11:20
Matrix: Solid
Date Received: 11/10/23 09:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*79*		*20 - 120*	*11/15/23 09:33*	*11/16/23 11:49*	*1*
Tetrachloro-m-xylene	*83*		*44 - 120*	*11/15/23 09:33*	*11/16/23 11:49*	*1*

Method: SW846 8151 - TCLP Herbicides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.0020	0.00036	mg/L		11/15/23 09:38	11/16/23 14:16	1
2,4-D	ND		0.0020	0.00040	mg/L		11/15/23 09:38	11/16/23 14:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*37*		*21 - 143*	*11/15/23 09:38*	*11/16/23 14:16*	*1*

Method: SW846 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		11/15/23 09:34	11/16/23 00:42	1
Barium	**1.3**		1.0	0.10	mg/L		11/15/23 09:34	11/16/23 00:42	1
Cadmium	**0.010**		0.0020	0.00050	mg/L		11/15/23 09:34	11/16/23 00:42	1
Chromium	ND		0.020	0.010	mg/L		11/15/23 09:34	11/16/23 00:42	1
Lead	ND		0.020	0.0030	mg/L		11/15/23 09:34	11/16/23 00:42	1
Selenium	ND		0.025	0.0087	mg/L		11/15/23 09:34	11/16/23 00:42	1
Silver	ND		0.0060	0.0017	mg/L		11/15/23 09:34	11/16/23 00:42	1

Method: SW846 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		11/15/23 11:11	11/15/23 15:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive (SW846 9012)	ND		9.7	9.7	mg/Kg		11/14/23 11:20	11/15/23 11:14	1
Sulfide, Reactive (SW846 9034)	ND		9.7	9.7	mg/Kg		11/14/23 11:20	11/16/23 10:15	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint (SW846 1010A)	**>180**		50.0	50.0	Degrees F			11/13/23 07:00	1
pH (SW846 9045D)	**8.1**	**HF**	0.1	0.1	SU			11/14/23 19:28	1
Temperature (SW846 9045D)	**8.1**	**HF**	0.001	0.001	Degrees C			11/14/23 19:28	1

Client Sample ID: SOIL-AC EXCAVATION-WASTE CHAR
Lab Sample ID: 480-214763-5
Date Collected: 11/09/23 11:20
Matrix: Solid
Date Received: 11/10/23 09:00
Percent Solids: 90.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.24	0.047	mg/Kg	☼	11/14/23 08:35	11/15/23 16:00	1
PCB-1221	ND		0.24	0.047	mg/Kg	☼	11/14/23 08:35	11/15/23 16:00	1
PCB-1232	ND		0.24	0.047	mg/Kg	☼	11/14/23 08:35	11/15/23 16:00	1
PCB-1242	ND		0.24	0.047	mg/Kg	☼	11/14/23 08:35	11/15/23 16:00	1
PCB-1248	ND		0.24	0.047	mg/Kg	☼	11/14/23 08:35	11/15/23 16:00	1
PCB-1254	ND		0.24	0.11	mg/Kg	☼	11/14/23 08:35	11/15/23 16:00	1
PCB-1260	**0.47**		0.24	0.11	mg/Kg	☼	11/14/23 08:35	11/15/23 16:00	1
PCB-1262	ND		0.24	0.11	mg/Kg	☼	11/14/23 08:35	11/15/23 16:00	1
PCB-1268	ND		0.24	0.11	mg/Kg	☼	11/14/23 08:35	11/15/23 16:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*107*		*60 - 154*	*11/14/23 08:35*	*11/15/23 16:00*	*1*

Client: CHA Inc
Job ID: 480-214763-1
Project/Site: CHGE Danskammer - AC Excavation

Client Sample ID: SOIL-AC EXCAVATION-WASTE CHAR
Lab Sample ID: 480-214763-5
Date Collected: 11/09/23 11:20
Matrix: Solid
Date Received: 11/10/23 09:00
Percent Solids: 90.6

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	116		65 - 174	11/14/23 08:35	11/15/23 16:00	1

Surrogate Summary

Client: CHA Inc
Job ID: 480-214763-1
Project/Site: CHGE Danskammer - AC Excavation

Method: 8260C - TCLP Volatiles

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

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DCA	BFB	DBFM
Lab Sample ID	Client Sample ID	(80-120)	(77-120)	(73-120)	(75-123)
LCS 480-691946/6	Lab Control Sample	111	106	109	107
MB 480-691946/8	Method Blank	109	101	108	105

Surrogate Legend

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

Method: 8260C - TCLP Volatiles

Matrix: Solid — **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(80-120)	(73-120)	(75-123)
480-214763-5	SOIL-AC EXCAVATION-WASTE	101	107	106	104
LB 480-691790/1-A	Method Blank	105	112	111	108

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DCA	BFB	DBFM
Lab Sample ID	Client Sample ID	(71-125)	(64-126)	(72-126)	(60-140)
480-214763-1	SOIL-AC EXCAVATION (1-2.5)	100	97	93	90
LCS 480-691624/1-A	Lab Control Sample	102	88	89	85
MB 480-691624/3-A	Method Blank	102	95	95	90

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(53-146)	(49-148)	(50-149)	(60-140)
480-214763-2	SOIL-AC EXCAVATION (0-1)	105	95	95	94
LCS 480-691839/2-A	Lab Control Sample	100	100	99	98
MB 480-691839/1-A	Method Blank	103	98	98	98

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

Surrogate Summary

Client: CHA Inc
Job ID: 480-214763-1
Project/Site: CHGE Danskammer - AC Excavation

TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(75-123)	(80-120)
480-214763-3	WATER-AC EXCAVATION-1109	104	102	100	99
480-214763-4	TRIP BLANK	103	96	98	95
LCS 480-691904/6	Lab Control Sample	101	99	100	95
LCSD 480-691904/24	Lab Control Sample Dup	102	101	101	96
MB 480-691904/8	Method Blank	103	97	98	94

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHd14
Lab Sample ID	Client Sample ID	(54-120)	(60-120)	(52-120)	(53-120)	(54-120)	(79-130)
480-214763-1	SOIL-AC EXCAVATION (1-2.5)	71	73	60	59	58	83
480-214763-2	SOIL-AC EXCAVATION (0-1)	0 S1-	57 S1-	63	67	61	72 S1-
LCS 480-691629/2-A	Lab Control Sample	94	95	82	83	83	101
MB 480-691629/1-A	Method Blank	78	86	77	80	84	95

Surrogate Legend

TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPHd14 = p-Terphenyl-d14

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

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

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHd14
Lab Sample ID	Client Sample ID	(41-120)	(48-120)	(35-120)	(46-120)	(22-120)	(60-148)
LCS 480-691973/2-A	Lab Control Sample	90	84	51	83	37	86
LCSD 480-691973/3-A	Lab Control Sample Dup	101	93	57	94	43	95
MB 480-691973/1-A	Method Blank	80	87	50	89	37	89

Surrogate Legend

TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPHd14 = p-Terphenyl-d14

Surrogate Summary

Client: CHA Inc
Job ID: 480-214763-1
Project/Site: CHGE Danskammer - AC Excavation

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

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPHd14	PHL
Lab Sample ID	Client Sample ID	(41-120)	(48-120)	(35-120)	(46-120)	(60-148)	(22-120)
480-214763-5	SOIL-AC EXCAVATION-WASTE	91	89	49	88	86	35
LB 480-691789/1-C	Method Blank	85	84	49	84	84	35

Surrogate Legend

TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
TPHd14 = p-Terphenyl-d14
PHL = Phenol-d5

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

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

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHd14
Lab Sample ID	Client Sample ID	(41-120)	(48-120)	(35-120)	(46-120)	(22-120)	(60-148)
480-214763-3	WATER-AC EXCAVATION-1109	74	89	68	91	49	71
480-214763-3 - DL	WATER-AC EXCAVATION-110923	0 S1-	21 S1-	65	94	0 S1-	52 S1-
LCS 480-691637/2-A	Lab Control Sample	77	87	74	92	60	90
MB 480-691637/1-A	Method Blank	46	73	59	71	46	84

Surrogate Legend

TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPHd14 = p-Terphenyl-d14

Method: 8081B - Organochlorine Pesticides (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		DCBP2	TCX2
Lab Sample ID	Client Sample ID	(45-120)	(30-124)
480-214763-1	SOIL-AC EXCAVATION (1-2.5)	119	91
480-214763-2	SOIL-AC EXCAVATION (0-1)	246 S1+	90
LCS 480-692155/2-A	Lab Control Sample	105	95
LCSD 480-692155/3-A	Lab Control Sample Dup	101	91
MB 480-692155/1-A	Method Blank	102	90

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Surrogate Summary

Client: CHA Inc
Job ID: 480-214763-1
Project/Site: CHGE Danskammer - AC Excavation

Method: 8081B - Organochlorine Pesticides (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		DCBP2	TCX2
Lab Sample ID	Client Sample ID	(20-120)	(44-120)
LCS 480-691976/2-A	Lab Control Sample	62	83
LCSD 480-691976/3-A	Lab Control Sample Dup	58	80
MB 480-691976/1-A	Method Blank	62	96

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCBP2	TCX2
Lab Sample ID	Client Sample ID	(20-120)	(44-120)
480-214763-5	SOIL-AC EXCAVATION-WASTE	79	83
LB 480-691789/1-D	Method Blank	65	75

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8081B - Organochlorine Pesticides (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		DCBP1	TCX1
Lab Sample ID	Client Sample ID	(20-120)	(44-120)
480-214763-3	WATER-AC EXCAVATION-1109	39	56
LCS 480-691622/2-A	Lab Control Sample	38	73
MB 480-691622/1-A	Method Blank	36	80

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX2	DCBP2
Lab Sample ID	Client Sample ID	(60-154)	(65-174)
480-214763-1	SOIL-AC EXCAVATION (1-2.5)	103	111
480-214763-2	SOIL-AC EXCAVATION (0-1)	104	110
480-214763-5	SOIL-AC EXCAVATION-WASTE CHAR	107	116
LCS 480-691795/2-A	Lab Control Sample	132	148
MB 480-691795/1-A	Method Blank	122	131

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Surrogate Summary

Client: CHA Inc
Job ID: 480-214763-1
Project/Site: CHGE Danskammer - AC Excavation

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		DCBP1	TCX1
Lab Sample ID	Client Sample ID	(19-120)	(39-121)
480-214763-3	WATER-AC EXCAVATION-1109	25	61
LCS 480-692151/2-A	Lab Control Sample	38	67
MB 480-692151/1-A	Method Blank	46	81

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8151 - TCLP Herbicides

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

		Percent Surrogate Recovery (Acceptance Limits)
		DCPAA1
Lab Sample ID	Client Sample ID	(21-143)
LCS 480-691981/2-A	Lab Control Sample	103
LCSD 480-691981/3-A	Lab Control Sample Dup	119
MB 480-691981/1-A	Method Blank	127

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Method: 8151 - TCLP Herbicides

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)
		DCPAA1
Lab Sample ID	Client Sample ID	(21-143)
480-214763-5	SOIL-AC EXCAVATION-WASTE	37
LB 480-691789/1-E	Method Blank	32

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Method: 8151A - Herbicides (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)
		DCPAA1
Lab Sample ID	Client Sample ID	(28-129)
480-214763-1	SOIL-AC EXCAVATION (1-2.5)	86
480-214763-2	SOIL-AC EXCAVATION (0-1)	91
LCS 480-692264/2-A	Lab Control Sample	94
MB 480-692264/1-A	Method Blank	89

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Method: 8151A - Herbicides (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)
		DCPAA2
Lab Sample ID	Client Sample ID	(21-143)
480-214763-3	WATER-AC EXCAVATION-1109	73

Surrogate Summary

Client: CHA Inc
Job ID: 480-214763-1
Project/Site: CHGE Danskammer - AC Excavation

Method: 8151A - Herbicides (GC) (Continued)

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)							
		DCPAA2							
Lab Sample ID	Client Sample ID	(21-143)							
LCS 480-691548/2-A	Lab Control Sample	124							
MB 480-691548/1-A	Method Blank	81							

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Method: 8260C - TCLP Volatiles

Lab Sample ID: MB 480-691946/8
Matrix: Solid
Analysis Batch: 691946

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.0010	0.00029	mg/L			11/15/23 12:53	1
1,2-Dichloroethane	ND		0.0010	0.00021	mg/L			11/15/23 12:53	1
2-Butanone (MEK)	ND		0.0050	0.0013	mg/L			11/15/23 12:53	1
Benzene	ND		0.0010	0.00041	mg/L			11/15/23 12:53	1
Carbon tetrachloride	ND		0.0010	0.00027	mg/L			11/15/23 12:53	1
Chlorobenzene	ND		0.0010	0.00075	mg/L			11/15/23 12:53	1
Chloroform	ND		0.0010	0.00034	mg/L			11/15/23 12:53	1
Tetrachloroethene	ND		0.0010	0.00036	mg/L			11/15/23 12:53	1
Trichloroethene	ND		0.0010	0.00046	mg/L			11/15/23 12:53	1
Vinyl chloride	ND		0.0010	0.00090	mg/L			11/15/23 12:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*109*		*80 - 120*		*11/15/23 12:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*11/15/23 12:53*	*1*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*11/15/23 12:53*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*11/15/23 12:53*	*1*

Lab Sample ID: LCS 480-691946/6
Matrix: Solid
Analysis Batch: 691946

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	0.0250	0.0284		mg/L		114	66 - 127
1,2-Dichloroethane	0.0250	0.0257		mg/L		103	75 - 120
2-Butanone (MEK)	0.125	0.108		mg/L		86	57 - 140
Benzene	0.0250	0.0279		mg/L		112	71 - 124
Carbon tetrachloride	0.0250	0.0362	*+	mg/L		145	72 - 134
Chlorobenzene	0.0250	0.0283		mg/L		113	80 - 120
Chloroform	0.0250	0.0262		mg/L		105	73 - 127
Tetrachloroethene	0.0250	0.0316	*+	mg/L		126	74 - 122
Trichloroethene	0.0250	0.0290		mg/L		116	74 - 123
Vinyl chloride	0.0250	0.0284		mg/L		114	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*111*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*
Dibromofluoromethane (Surr)	*107*		*75 - 123*

Lab Sample ID: LB 480-691790/1-A
Matrix: Solid
Analysis Batch: 691946

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			11/15/23 13:28	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			11/15/23 13:28	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			11/15/23 13:28	10
Benzene	ND		0.010	0.0041	mg/L			11/15/23 13:28	10

Method: 8260C - TCLP Volatiles (Continued)

Lab Sample ID: LB 480-691790/1-A
Matrix: Solid
Analysis Batch: 691946

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		0.010	0.0027	mg/L			11/15/23 13:28	10
Chlorobenzene	ND		0.010	0.0075	mg/L			11/15/23 13:28	10
Chloroform	ND		0.010	0.0034	mg/L			11/15/23 13:28	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			11/15/23 13:28	10
Trichloroethene	ND		0.010	0.0046	mg/L			11/15/23 13:28	10
Vinyl chloride	ND		0.010	0.0090	mg/L			11/15/23 13:28	10

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*112*		*80 - 120*		*11/15/23 13:28*	*10*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*11/15/23 13:28*	*10*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*		*11/15/23 13:28*	*10*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*11/15/23 13:28*	*10*

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

Lab Sample ID: MB 480-691624/3-A
Matrix: Solid
Analysis Batch: 691625

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 691624

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg		11/13/23 07:53	11/13/23 11:46	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg		11/13/23 07:53	11/13/23 11:46	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg		11/13/23 07:53	11/13/23 11:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		11/13/23 07:53	11/13/23 11:46	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg		11/13/23 07:53	11/13/23 11:46	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg		11/13/23 07:53	11/13/23 11:46	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg		11/13/23 07:53	11/13/23 11:46	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg		11/13/23 07:53	11/13/23 11:46	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg		11/13/23 07:53	11/13/23 11:46	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg		11/13/23 07:53	11/13/23 11:46	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg		11/13/23 07:53	11/13/23 11:46	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg		11/13/23 07:53	11/13/23 11:46	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg		11/13/23 07:53	11/13/23 11:46	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		11/13/23 07:53	11/13/23 11:46	1
2-Hexanone	ND		25	2.5	ug/Kg		11/13/23 07:53	11/13/23 11:46	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg		11/13/23 07:53	11/13/23 11:46	1
Acetone	ND		25	4.2	ug/Kg		11/13/23 07:53	11/13/23 11:46	1
Benzene	ND		5.0	0.25	ug/Kg		11/13/23 07:53	11/13/23 11:46	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg		11/13/23 07:53	11/13/23 11:46	1
Bromoform	ND		5.0	2.5	ug/Kg		11/13/23 07:53	11/13/23 11:46	1
Bromomethane	ND		5.0	0.45	ug/Kg		11/13/23 07:53	11/13/23 11:46	1
Carbon disulfide	ND		5.0	2.5	ug/Kg		11/13/23 07:53	11/13/23 11:46	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg		11/13/23 07:53	11/13/23 11:46	1
Chlorobenzene	ND		5.0	0.66	ug/Kg		11/13/23 07:53	11/13/23 11:46	1
Chloroethane	ND		5.0	1.1	ug/Kg		11/13/23 07:53	11/13/23 11:46	1
Chloroform	ND		5.0	0.31	ug/Kg		11/13/23 07:53	11/13/23 11:46	1
Chloromethane	ND		5.0	0.30	ug/Kg		11/13/23 07:53	11/13/23 11:46	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg		11/13/23 07:53	11/13/23 11:46	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg		11/13/23 07:53	11/13/23 11:46	1

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

Lab Sample ID: MB 480-691624/3-A
Matrix: Solid
Analysis Batch: 691625

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 691624

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg		11/13/23 07:53	11/13/23 11:46	1
Cyclohexane	ND		5.0	0.70	ug/Kg		11/13/23 07:53	11/13/23 11:46	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg		11/13/23 07:53	11/13/23 11:46	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg		11/13/23 07:53	11/13/23 11:46	1
Ethylbenzene	ND		5.0	0.35	ug/Kg		11/13/23 07:53	11/13/23 11:46	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg		11/13/23 07:53	11/13/23 11:46	1
Methyl acetate	ND		25	3.0	ug/Kg		11/13/23 07:53	11/13/23 11:46	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg		11/13/23 07:53	11/13/23 11:46	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg		11/13/23 07:53	11/13/23 11:46	1
Methylene Chloride	ND		5.0	2.3	ug/Kg		11/13/23 07:53	11/13/23 11:46	1
Styrene	ND		5.0	0.25	ug/Kg		11/13/23 07:53	11/13/23 11:46	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg		11/13/23 07:53	11/13/23 11:46	1
Toluene	ND		5.0	0.38	ug/Kg		11/13/23 07:53	11/13/23 11:46	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg		11/13/23 07:53	11/13/23 11:46	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg		11/13/23 07:53	11/13/23 11:46	1
Trichloroethene	ND		5.0	1.1	ug/Kg		11/13/23 07:53	11/13/23 11:46	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg		11/13/23 07:53	11/13/23 11:46	1
Vinyl chloride	ND		5.0	0.61	ug/Kg		11/13/23 07:53	11/13/23 11:46	1
Xylenes, Total	ND		10	0.84	ug/Kg		11/13/23 07:53	11/13/23 11:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*71 - 125*	*11/13/23 07:53*	*11/13/23 11:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*64 - 126*	*11/13/23 07:53*	*11/13/23 11:46*	*1*
4-Bromofluorobenzene (Surr)	*95*		*72 - 126*	*11/13/23 07:53*	*11/13/23 11:46*	*1*
Dibromofluoromethane (Surr)	*90*		*60 - 140*	*11/13/23 07:53*	*11/13/23 11:46*	*1*

Lab Sample ID: LCS 480-691624/1-A
Matrix: Solid
Analysis Batch: 691625

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 691624

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	50.0	44.6		ug/Kg		89	77 - 121
1,1,2,2-Tetrachloroethane	50.0	56.7		ug/Kg		113	80 - 120
1,1,2-Trichloroethane	50.0	50.9		ug/Kg		102	78 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	51.1		ug/Kg		102	60 - 140
1,1-Dichloroethane	50.0	45.3		ug/Kg		91	73 - 126
1,1-Dichloroethene	50.0	45.4		ug/Kg		91	59 - 125
1,2,4-Trichlorobenzene	50.0	48.3		ug/Kg		97	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	55.3		ug/Kg		111	63 - 124
1,2-Dichlorobenzene	50.0	50.1		ug/Kg		100	75 - 120
1,2-Dichloroethane	50.0	41.2		ug/Kg		82	77 - 122
1,2-Dichloropropane	50.0	47.2		ug/Kg		94	75 - 124
1,3-Dichlorobenzene	50.0	50.2		ug/Kg		100	74 - 120
1,4-Dichlorobenzene	50.0	50.3		ug/Kg		101	73 - 120
2-Butanone (MEK)	250	203		ug/Kg		81	70 - 134
2-Hexanone	250	290		ug/Kg		116	59 - 130
4-Methyl-2-pentanone (MIBK)	250	281		ug/Kg		113	65 - 133
Acetone	250	169		ug/Kg		68	61 - 137

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

Lab Sample ID: LCS 480-691624/1-A
Matrix: Solid
Analysis Batch: 691625

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 691624

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	50.0	45.3		ug/Kg		91	79 - 127
Bromodichloromethane	50.0	45.3		ug/Kg		91	80 - 122
Bromoform	50.0	46.4		ug/Kg		93	68 - 126
Bromomethane	50.0	39.0		ug/Kg		78	37 - 149
Carbon disulfide	50.0	47.7		ug/Kg		95	64 - 131
Carbon tetrachloride	50.0	44.6		ug/Kg		89	75 - 135
Chlorobenzene	50.0	48.0		ug/Kg		96	76 - 124
Chloroethane	50.0	43.1		ug/Kg		86	69 - 135
Chloroform	50.0	42.0		ug/Kg		84	80 - 120
Chloromethane	50.0	52.9		ug/Kg		106	63 - 127
cis-1,2-Dichloroethene	50.0	41.9		ug/Kg		84	81 - 120
cis-1,3-Dichloropropene	50.0	47.7		ug/Kg		95	80 - 120
1,2-Dibromoethane	50.0	49.2		ug/Kg		98	78 - 120
Cyclohexane	50.0	54.3		ug/Kg		109	65 - 120
Dibromochloromethane	50.0	47.8		ug/Kg		96	76 - 125
Dichlorodifluoromethane	50.0	54.0		ug/Kg		108	57 - 142
Ethylbenzene	50.0	49.8		ug/Kg		100	80 - 120
Isopropylbenzene	50.0	56.8		ug/Kg		114	72 - 120
Methyl acetate	100	81.0		ug/Kg		81	55 - 136
Methyl tert-butyl ether	50.0	40.6		ug/Kg		81	63 - 125
Methylcyclohexane	50.0	49.3		ug/Kg		99	60 - 140
Methylene Chloride	50.0	45.2		ug/Kg		90	61 - 127
Styrene	50.0	47.9		ug/Kg		96	80 - 120
Tetrachloroethene	50.0	46.9		ug/Kg		94	74 - 122
Toluene	50.0	50.0		ug/Kg		100	74 - 128
trans-1,2-Dichloroethene	50.0	44.1		ug/Kg		88	78 - 126
Trichloroethene	50.0	45.4		ug/Kg		91	77 - 129
Trichlorofluoromethane	50.0	45.1		ug/Kg		90	65 - 146
Vinyl chloride	50.0	48.4		ug/Kg		97	61 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*102*		*71 - 125*
1,2-Dichloroethane-d4 (Surr)	*88*		*64 - 126*
4-Bromofluorobenzene (Surr)	*89*		*72 - 126*
Dibromofluoromethane (Surr)	*85*		*60 - 140*

Lab Sample ID: MB 480-691839/1-A
Matrix: Solid
Analysis Batch: 691806

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 691839

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100	28	ug/Kg		11/14/23 09:55	11/14/23 15:46	1
1,1,2,2-Tetrachloroethane	ND		100	16	ug/Kg		11/14/23 09:55	11/14/23 15:46	1
1,1,2-Trichloroethane	ND		100	21	ug/Kg		11/14/23 09:55	11/14/23 15:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	50	ug/Kg		11/14/23 09:55	11/14/23 15:46	1
1,1-Dichloroethane	ND		100	31	ug/Kg		11/14/23 09:55	11/14/23 15:46	1
1,1-Dichloroethene	ND		100	35	ug/Kg		11/14/23 09:55	11/14/23 15:46	1
1,2,4-Trichlorobenzene	ND		100	38	ug/Kg		11/14/23 09:55	11/14/23 15:46	1

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

Lab Sample ID: MB 480-691839/1-A
Matrix: Solid
Analysis Batch: 691806

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 691839

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		100	50	ug/Kg		11/14/23 09:55	11/14/23 15:46	1
1,2-Dichlorobenzene	ND		100	26	ug/Kg		11/14/23 09:55	11/14/23 15:46	1
1,2-Dichloroethane	ND		100	41	ug/Kg		11/14/23 09:55	11/14/23 15:46	1
1,2-Dichloropropane	ND		100	16	ug/Kg		11/14/23 09:55	11/14/23 15:46	1
1,3-Dichlorobenzene	ND		100	27	ug/Kg		11/14/23 09:55	11/14/23 15:46	1
1,4-Dichlorobenzene	ND		100	14	ug/Kg		11/14/23 09:55	11/14/23 15:46	1
2-Butanone (MEK)	ND		500	300	ug/Kg		11/14/23 09:55	11/14/23 15:46	1
2-Hexanone	ND		500	210	ug/Kg		11/14/23 09:55	11/14/23 15:46	1
4-Methyl-2-pentanone (MIBK)	ND		500	32	ug/Kg		11/14/23 09:55	11/14/23 15:46	1
Acetone	ND		500	410	ug/Kg		11/14/23 09:55	11/14/23 15:46	1
Benzene	ND		100	19	ug/Kg		11/14/23 09:55	11/14/23 15:46	1
Bromodichloromethane	ND		100	20	ug/Kg		11/14/23 09:55	11/14/23 15:46	1
Bromoform	ND		100	50	ug/Kg		11/14/23 09:55	11/14/23 15:46	1
Bromomethane	ND		100	22	ug/Kg		11/14/23 09:55	11/14/23 15:46	1
Carbon disulfide	ND		100	46	ug/Kg		11/14/23 09:55	11/14/23 15:46	1
Carbon tetrachloride	ND		100	26	ug/Kg		11/14/23 09:55	11/14/23 15:46	1
Chlorobenzene	ND		100	13	ug/Kg		11/14/23 09:55	11/14/23 15:46	1
Chloroethane	ND		100	21	ug/Kg		11/14/23 09:55	11/14/23 15:46	1
Chloroform	ND		100	69	ug/Kg		11/14/23 09:55	11/14/23 15:46	1
Chloromethane	ND		100	24	ug/Kg		11/14/23 09:55	11/14/23 15:46	1
cis-1,2-Dichloroethene	ND		100	28	ug/Kg		11/14/23 09:55	11/14/23 15:46	1
cis-1,3-Dichloropropene	ND		100	24	ug/Kg		11/14/23 09:55	11/14/23 15:46	1
1,2-Dibromoethane	ND		100	18	ug/Kg		11/14/23 09:55	11/14/23 15:46	1
Cyclohexane	ND		100	22	ug/Kg		11/14/23 09:55	11/14/23 15:46	1
Dibromochloromethane	ND		100	48	ug/Kg		11/14/23 09:55	11/14/23 15:46	1
Dichlorodifluoromethane	ND		100	44	ug/Kg		11/14/23 09:55	11/14/23 15:46	1
Ethylbenzene	ND		100	29	ug/Kg		11/14/23 09:55	11/14/23 15:46	1
Isopropylbenzene	ND		100	15	ug/Kg		11/14/23 09:55	11/14/23 15:46	1
Methyl acetate	ND		500	48	ug/Kg		11/14/23 09:55	11/14/23 15:46	1
Methyl tert-butyl ether	ND		100	38	ug/Kg		11/14/23 09:55	11/14/23 15:46	1
Methylcyclohexane	ND		100	47	ug/Kg		11/14/23 09:55	11/14/23 15:46	1
Methylene Chloride	ND		100	20	ug/Kg		11/14/23 09:55	11/14/23 15:46	1
Styrene	ND		100	24	ug/Kg		11/14/23 09:55	11/14/23 15:46	1
Tetrachloroethene	ND		100	13	ug/Kg		11/14/23 09:55	11/14/23 15:46	1
Toluene	ND		100	27	ug/Kg		11/14/23 09:55	11/14/23 15:46	1
trans-1,2-Dichloroethene	ND		100	24	ug/Kg		11/14/23 09:55	11/14/23 15:46	1
trans-1,3-Dichloropropene	ND		100	9.8	ug/Kg		11/14/23 09:55	11/14/23 15:46	1
Trichloroethene	ND		100	28	ug/Kg		11/14/23 09:55	11/14/23 15:46	1
Trichlorofluoromethane	ND		100	47	ug/Kg		11/14/23 09:55	11/14/23 15:46	1
Vinyl chloride	ND		100	34	ug/Kg		11/14/23 09:55	11/14/23 15:46	1
Xylenes, Total	ND		200	55	ug/Kg		11/14/23 09:55	11/14/23 15:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*50 - 149*	*11/14/23 09:55*	*11/14/23 15:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*53 - 146*	*11/14/23 09:55*	*11/14/23 15:46*	*1*
4-Bromofluorobenzene (Surr)	*98*		*49 - 148*	*11/14/23 09:55*	*11/14/23 15:46*	*1*
Dibromofluoromethane (Surr)	*98*		*60 - 140*	*11/14/23 09:55*	*11/14/23 15:46*	*1*

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

Lab Sample ID: LCS 480-691839/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 691806
Prep Batch: 691839

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	2500	2630		ug/Kg		105	68 - 130
1,1,2,2-Tetrachloroethane	2500	2320		ug/Kg		93	73 - 120
1,1,2-Trichloroethane	2500	2410		ug/Kg		96	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	2410		ug/Kg		96	10 - 179
1,1-Dichloroethane	2500	2440		ug/Kg		97	78 - 121
1,1-Dichloroethene	2500	2250		ug/Kg		90	48 - 133
1,2,4-Trichlorobenzene	2500	2430		ug/Kg		97	70 - 140
1,2-Dibromo-3-Chloropropane	2500	2070		ug/Kg		83	56 - 122
1,2-Dichlorobenzene	2500	2410		ug/Kg		96	78 - 125
1,2-Dichloroethane	2500	2490		ug/Kg		99	74 - 127
1,2-Dichloropropane	2500	2470		ug/Kg		99	80 - 120
1,3-Dichlorobenzene	2500	2460		ug/Kg		98	80 - 120
1,4-Dichlorobenzene	2500	2410		ug/Kg		96	80 - 120
2-Butanone (MEK)	12500	13600		ug/Kg		109	54 - 149
2-Hexanone	12500	12600		ug/Kg		101	59 - 127
4-Methyl-2-pentanone (MIBK)	12500	11600		ug/Kg		93	74 - 120
Acetone	12500	15300		ug/Kg		122	47 - 141
Benzene	2500	2340		ug/Kg		93	77 - 125
Bromodichloromethane	2500	2440		ug/Kg		98	71 - 121
Bromoform	2500	2600		ug/Kg		104	48 - 125
Bromomethane	2500	2410		ug/Kg		96	39 - 149
Carbon disulfide	2500	1790		ug/Kg		72	40 - 136
Carbon tetrachloride	2500	2640		ug/Kg		105	54 - 135
Chlorobenzene	2500	2470		ug/Kg		99	76 - 126
Chloroethane	2500	2600		ug/Kg		104	23 - 150
Chloroform	2500	2460		ug/Kg		99	78 - 120
Chloromethane	2500	2120		ug/Kg		85	61 - 124
cis-1,2-Dichloroethene	2500	2400		ug/Kg		96	79 - 124
cis-1,3-Dichloropropene	2500	2470		ug/Kg		99	75 - 121
1,2-Dibromoethane	2500	2420		ug/Kg		97	80 - 120
Cyclohexane	2500	2480		ug/Kg		99	49 - 129
Dibromochloromethane	2500	2440		ug/Kg		97	64 - 120
Dichlorodifluoromethane	2500	2020		ug/Kg		81	10 - 150
Ethylbenzene	2500	2510		ug/Kg		100	78 - 124
Isopropylbenzene	2500	2590		ug/Kg		104	76 - 120
Methyl acetate	5000	4790		ug/Kg		96	71 - 123
Methyl tert-butyl ether	2500	2400		ug/Kg		96	67 - 137
Methylcyclohexane	2500	2510		ug/Kg		100	50 - 130
Methylene Chloride	2500	2240		ug/Kg		90	75 - 118
Styrene	2500	2560		ug/Kg		102	80 - 120
Tetrachloroethene	2500	2570		ug/Kg		103	73 - 133
Toluene	2500	2420		ug/Kg		97	75 - 124
trans-1,2-Dichloroethene	2500	2410		ug/Kg		97	74 - 129
Trichloroethene	2500	2490		ug/Kg		100	75 - 131
Trichlorofluoromethane	2500	2520		ug/Kg		101	29 - 158
Vinyl chloride	2500	2260		ug/Kg		90	59 - 124

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

Lab Sample ID: LCS 480-691839/2-A
Matrix: Solid
Analysis Batch: 691806

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 691839

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*50 - 149*
1,2-Dichloroethane-d4 (Surr)	*100*		*53 - 146*
4-Bromofluorobenzene (Surr)	*100*		*49 - 148*
Dibromofluoromethane (Surr)	*98*		*60 - 140*

Lab Sample ID: MB 480-691904/8
Matrix: Water
Analysis Batch: 691904

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/15/23 02:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/15/23 02:50	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/15/23 02:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/15/23 02:50	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/15/23 02:50	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/15/23 02:50	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/15/23 02:50	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/15/23 02:50	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/15/23 02:50	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/15/23 02:50	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/15/23 02:50	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/15/23 02:50	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/15/23 02:50	1
1,4-Dioxane	ND		40	9.3	ug/L			11/15/23 02:50	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/15/23 02:50	1
2-Hexanone	ND		5.0	1.2	ug/L			11/15/23 02:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/15/23 02:50	1
Acetone	ND		10	3.0	ug/L			11/15/23 02:50	1
Benzene	ND		1.0	0.41	ug/L			11/15/23 02:50	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/15/23 02:50	1
Bromoform	ND		1.0	0.26	ug/L			11/15/23 02:50	1
Bromomethane	ND		1.0	0.69	ug/L			11/15/23 02:50	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/15/23 02:50	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/15/23 02:50	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/15/23 02:50	1
Chloroethane	ND		1.0	0.32	ug/L			11/15/23 02:50	1
Chloroform	ND		1.0	0.34	ug/L			11/15/23 02:50	1
Chloromethane	ND		1.0	0.35	ug/L			11/15/23 02:50	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/15/23 02:50	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/15/23 02:50	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/15/23 02:50	1
Cyclohexane	ND		1.0	0.18	ug/L			11/15/23 02:50	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/15/23 02:50	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/15/23 02:50	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/15/23 02:50	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/15/23 02:50	1
Methyl acetate	ND		2.5	1.3	ug/L			11/15/23 02:50	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/15/23 02:50	1

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

Lab Sample ID: MB 480-691904/8
Matrix: Water
Analysis Batch: 691904

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	ND		1.0	0.16	ug/L			11/15/23 02:50	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/15/23 02:50	1
Styrene	ND		1.0	0.73	ug/L			11/15/23 02:50	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/15/23 02:50	1
Toluene	ND		1.0	0.51	ug/L			11/15/23 02:50	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/15/23 02:50	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/15/23 02:50	1
Trichloroethene	ND		1.0	0.46	ug/L			11/15/23 02:50	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/15/23 02:50	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/15/23 02:50	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/15/23 02:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*80 - 120*		*11/15/23 02:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*11/15/23 02:50*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*11/15/23 02:50*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*11/15/23 02:50*	*1*

Lab Sample ID: LCS 480-691904/6
Matrix: Water
Analysis Batch: 691904

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	27.2		ug/L		109	73 - 126
1,1,2,2-Tetrachloroethane	25.0	25.5		ug/L		102	76 - 120
1,1,2-Trichloroethane	25.0	25.1		ug/L		100	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	21.6		ug/L		86	61 - 148
1,1-Dichloroethane	25.0	25.6		ug/L		102	77 - 120
1,1-Dichloroethene	25.0	19.1		ug/L		76	66 - 127
1,2,4-Trichlorobenzene	25.0	26.0		ug/L		104	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	23.6		ug/L		94	56 - 134
1,2-Dichlorobenzene	25.0	25.8		ug/L		103	80 - 124
1,2-Dichloroethane	25.0	26.1		ug/L		104	75 - 120
1,2-Dichloropropane	25.0	25.7		ug/L		103	76 - 120
1,3-Dichlorobenzene	25.0	26.3		ug/L		105	77 - 120
1,4-Dichlorobenzene	25.0	25.5		ug/L		102	80 - 120
1,4-Dioxane	500	901	*+	ug/L		180	50 - 150
2-Butanone (MEK)	125	148		ug/L		119	57 - 140
2-Hexanone	125	144		ug/L		115	65 - 127
4-Methyl-2-pentanone (MIBK)	125	130		ug/L		104	71 - 125
Acetone	125	141		ug/L		113	56 - 142
Benzene	25.0	24.7		ug/L		99	71 - 124
Bromodichloromethane	25.0	26.5		ug/L		106	80 - 122
Bromoform	25.0	28.5		ug/L		114	61 - 132
Bromomethane	25.0	20.2		ug/L		81	55 - 144
Carbon disulfide	25.0	14.9		ug/L		59	59 - 134
Carbon tetrachloride	25.0	28.4		ug/L		113	72 - 134
Chlorobenzene	25.0	25.8		ug/L		103	80 - 120

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

Lab Sample ID: LCS 480-691904/6
Matrix: Water
Analysis Batch: 691904

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloroethane			25.0	21.5		ug/L		86	69 - 136		
Chloroform			25.0	25.0		ug/L		100	73 - 127		
Chloromethane			25.0	22.4		ug/L		90	68 - 124		
cis-1,2-Dichloroethene			25.0	24.4		ug/L		98	74 - 124		
cis-1,3-Dichloropropene			25.0	25.9		ug/L		103	74 - 124		
1,2-Dibromoethane			25.0	26.5		ug/L		106	77 - 120		
Cyclohexane			25.0	24.5		ug/L		98	59 - 135		
Dibromochloromethane			25.0	25.9		ug/L		104	75 - 125		
Dichlorodifluoromethane			25.0	19.9		ug/L		80	59 - 135		
Ethylbenzene			25.0	26.4		ug/L		105	77 - 123		
Isopropylbenzene			25.0	27.3		ug/L		109	77 - 122		
Methyl acetate			50.0	50.7		ug/L		101	74 - 133		
Methyl tert-butyl ether			25.0	25.1		ug/L		100	77 - 120		
Methylcyclohexane			25.0	25.0		ug/L		100	68 - 134		
Methylene Chloride			25.0	22.7		ug/L		91	75 - 124		
Styrene			25.0	27.4		ug/L		110	80 - 120		
Tetrachloroethene			25.0	25.7		ug/L		103	74 - 122		
Toluene			25.0	24.7		ug/L		99	80 - 122		
trans-1,2-Dichloroethene			25.0	24.2		ug/L		97	73 - 127		
Trichloroethene			25.0	26.1		ug/L		105	74 - 123		
Trichlorofluoromethane			25.0	23.3		ug/L		93	62 - 150		
Vinyl chloride			25.0	24.1		ug/L		97	65 - 133		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*95*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*
Dibromofluoromethane (Surr)	*100*		*75 - 123*

Lab Sample ID: LCSD 480-691904/24
Matrix: Water
Analysis Batch: 691904

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
1,1,1-Trichloroethane			25.0	28.6		ug/L		115	73 - 126	5	15
1,1,2,2-Tetrachloroethane			25.0	25.7		ug/L		103	76 - 120	1	15
1,1,2-Trichloroethane			25.0	26.3		ug/L		105	76 - 122	5	15
1,1,2-Trichloro-1,2,2-trifluoroethane			25.0	23.6		ug/L		94	61 - 148	9	20
1,1-Dichloroethane			25.0	25.9		ug/L		104	77 - 120	1	20
1,1-Dichloroethene			25.0	20.7		ug/L		83	66 - 127	8	16
1,2,4-Trichlorobenzene			25.0	25.3		ug/L		101	79 - 122	2	20
1,2-Dibromo-3-Chloropropane			25.0	22.1		ug/L		89	56 - 134	6	15
1,2-Dichlorobenzene			25.0	25.4		ug/L		102	80 - 124	2	20
1,2-Dichloroethane			25.0	26.2		ug/L		105	75 - 120	1	20
1,2-Dichloropropane			25.0	26.8		ug/L		107	76 - 120	4	20
1,3-Dichlorobenzene			25.0	26.3		ug/L		105	77 - 120	0	20
1,4-Dichlorobenzene			25.0	25.5		ug/L		102	80 - 120	0	20
1,4-Dioxane			500	610	*1	ug/L		122	50 - 150	38	20

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

Lab Sample ID: LCSD 480-691904/24
Matrix: Water
Analysis Batch: 691904

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-Butanone (MEK)	125	135		ug/L		108	57 - 140	9	20
2-Hexanone	125	140		ug/L		112	65 - 127	3	15
4-Methyl-2-pentanone (MIBK)	125	131		ug/L		105	71 - 125	0	35
Acetone	125	126		ug/L		101	56 - 142	11	15
Benzene	25.0	25.6		ug/L		102	71 - 124	3	13
Bromodichloromethane	25.0	26.2		ug/L		105	80 - 122	1	15
Bromoform	25.0	22.7	*1	ug/L		91	61 - 132	23	15
Bromomethane	25.0	22.0		ug/L		88	55 - 144	8	15
Carbon disulfide	25.0	15.4		ug/L		62	59 - 134	4	15
Carbon tetrachloride	25.0	28.8		ug/L		115	72 - 134	1	15
Chlorobenzene	25.0	26.0		ug/L		104	80 - 120	1	25
Chloroethane	25.0	22.8		ug/L		91	69 - 136	6	15
Chloroform	25.0	26.2		ug/L		105	73 - 127	5	20
Chloromethane	25.0	23.3		ug/L		93	68 - 124	4	15
cis-1,2-Dichloroethene	25.0	26.0		ug/L		104	74 - 124	6	15
cis-1,3-Dichloropropene	25.0	24.8		ug/L		99	74 - 124	4	15
1,2-Dibromoethane	25.0	25.9		ug/L		103	77 - 120	3	15
Cyclohexane	25.0	26.0		ug/L		104	59 - 135	6	20
Dibromochloromethane	25.0	24.5		ug/L		98	75 - 125	6	15
Dichlorodifluoromethane	25.0	21.8		ug/L		87	59 - 135	9	20
Ethylbenzene	25.0	26.8		ug/L		107	77 - 123	2	15
Isopropylbenzene	25.0	27.4		ug/L		110	77 - 122	1	20
Methyl acetate	50.0	49.3		ug/L		99	74 - 133	3	20
Methyl tert-butyl ether	25.0	24.4		ug/L		98	77 - 120	3	37
Methylcyclohexane	25.0	26.5		ug/L		106	68 - 134	6	20
Methylene Chloride	25.0	23.8		ug/L		95	75 - 124	4	15
Styrene	25.0	27.9		ug/L		112	80 - 120	2	20
Tetrachloroethene	25.0	26.5		ug/L		106	74 - 122	3	20
Toluene	25.0	25.3		ug/L		101	80 - 122	2	15
trans-1,2-Dichloroethene	25.0	25.5		ug/L		102	73 - 127	5	20
Trichloroethene	25.0	27.2		ug/L		109	74 - 123	4	16
Trichlorofluoromethane	25.0	24.7		ug/L		99	62 - 150	6	20
Vinyl chloride	25.0	26.0		ug/L		104	65 - 133	7	15

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*96*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*
Dibromofluoromethane (Surr)	*101*		*75 - 123*

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

Lab Sample ID: MB 480-691629/1-A
Matrix: Solid
Analysis Batch: 691811

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 691629

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		100	55	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
2,4-Dichlorophenol	ND		170	18	ug/Kg		11/13/23 08:22	11/14/23 14:06	1

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

Lab Sample ID: MB 480-691629/1-A
Matrix: Solid
Analysis Batch: 691811

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 691629

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND		170	41	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
2,4-Dinitrophenol	ND		1700	780	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
2,4-Dinitrotoluene	ND		170	35	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
2,6-Dinitrotoluene	ND		170	20	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
2-Chloronaphthalene	ND		170	28	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
2-Chlorophenol	ND		330	31	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
2,4,5-Trichlorophenol	ND		170	46	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
2,4,6-Trichlorophenol	ND		170	34	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
2-Methylnaphthalene	ND		170	34	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
2-Methylphenol	ND		170	20	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
2-Nitroaniline	ND		330	25	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
2-Nitrophenol	ND		170	48	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
3,3'-Dichlorobenzidine	ND		330	200	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
3-Nitroaniline	ND		330	47	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
4,6-Dinitro-2-methylphenol	ND		330	170	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
4-Bromophenyl phenyl ether	ND		170	24	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
4-Chloro-3-methylphenol	ND		170	42	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
4-Chloroaniline	ND		170	42	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
4-Chlorophenyl phenyl ether	ND		170	21	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
4-Methylphenol	ND		330	20	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
4-Nitroaniline	ND		330	89	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
4-Nitrophenol	ND		330	120	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
Acenaphthene	ND		170	25	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
Acenaphthylene	ND		170	22	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
Acetophenone	ND		170	23	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
Anthracene	ND		170	42	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
Atrazine	ND		170	59	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
Benzaldehyde	ND		170	130	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
Benzo[a]anthracene	ND		170	17	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
Benzo[a]pyrene	ND		170	25	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
Benzo[b]fluoranthene	ND		170	27	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
Benzo[g,h,i]perylene	ND		170	18	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
Benzo[k]fluoranthene	ND		170	22	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
Biphenyl	ND		170	25	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
bis (2-chloroisopropyl) ether	ND		170	34	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
Bis(2-chloroethoxy)methane	ND		170	36	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
Bis(2-chloroethyl)ether	ND		170	22	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
Bis(2-ethylhexyl) phthalate	ND		170	58	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
Butyl benzyl phthalate	ND		170	28	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
Caprolactam	ND		170	51	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
Carbazole	ND		170	20	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
Chrysene	ND		170	38	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
Dibenz(a,h)anthracene	ND		170	30	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
Dibenzofuran	ND		170	20	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
Diethyl phthalate	ND		170	22	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
Dimethyl phthalate	ND		170	20	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
Di-n-butyl phthalate	ND		170	29	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
Di-n-octyl phthalate	ND		170	20	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
Fluoranthene	ND		170	18	ug/Kg		11/13/23 08:22	11/14/23 14:06	1

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

Lab Sample ID: MB 480-691629/1-A
Matrix: Solid
Analysis Batch: 691811

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 691629

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		170	20	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
Hexachlorobenzene	ND		170	23	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
Hexachlorobutadiene	ND		170	25	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
Hexachlorocyclopentadiene	ND		170	23	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
Hexachloroethane	ND		170	22	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
Indeno[1,2,3-cd]pyrene	ND		170	21	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
Isophorone	ND		170	36	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
Naphthalene	ND		170	22	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
Nitrobenzene	ND		170	19	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
N-Nitrosodi-n-propylamine	ND		170	29	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
N-Nitrosodiphenylamine	ND		170	140	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
Pentachlorophenol	ND		330	170	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
Phenanthrene	ND		170	25	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
Phenol	ND		170	26	ug/Kg		11/13/23 08:22	11/14/23 14:06	1
Pyrene	ND		170	20	ug/Kg		11/13/23 08:22	11/14/23 14:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*78*		*54 - 120*	*11/13/23 08:22*	*11/14/23 14:06*	*1*
2-Fluorobiphenyl	*86*		*60 - 120*	*11/13/23 08:22*	*11/14/23 14:06*	*1*
2-Fluorophenol	*77*		*52 - 120*	*11/13/23 08:22*	*11/14/23 14:06*	*1*
Nitrobenzene-d5	*80*		*53 - 120*	*11/13/23 08:22*	*11/14/23 14:06*	*1*
Phenol-d5	*84*		*54 - 120*	*11/13/23 08:22*	*11/14/23 14:06*	*1*
p-Terphenyl-d14	*95*		*79 - 130*	*11/13/23 08:22*	*11/14/23 14:06*	*1*

Lab Sample ID: LCS 480-691629/2-A
Matrix: Solid
Analysis Batch: 691811

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 691629

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	1660	749		ug/Kg		45	23 - 120
2,4-Dichlorophenol	1660	1460		ug/Kg		88	61 - 120
2,4-Dimethylphenol	1660	1210		ug/Kg		73	59 - 120
2,4-Dinitrophenol	3310	3120		ug/Kg		94	41 - 146
2,4-Dinitrotoluene	1660	1520		ug/Kg		92	63 - 120
2,6-Dinitrotoluene	1660	1570		ug/Kg		95	66 - 120
2-Chloronaphthalene	1660	1540		ug/Kg		93	57 - 120
2-Chlorophenol	1660	1390		ug/Kg		84	53 - 120
2,4,5-Trichlorophenol	1660	1630		ug/Kg		98	59 - 126
2,4,6-Trichlorophenol	1660	1610		ug/Kg		97	59 - 123
2-Methylnaphthalene	1660	1360		ug/Kg		82	59 - 120
2-Methylphenol	1660	1310		ug/Kg		79	54 - 120
2-Nitroaniline	1660	1610		ug/Kg		97	61 - 120
2-Nitrophenol	1660	1400		ug/Kg		84	56 - 120
3,3'-Dichlorobenzidine	3310	2880		ug/Kg		87	54 - 120
3-Nitroaniline	1660	1220		ug/Kg		74	48 - 120
4,6-Dinitro-2-methylphenol	3310	3400		ug/Kg		103	49 - 122
4-Bromophenyl phenyl ether	1660	1500		ug/Kg		91	58 - 120
4-Chloro-3-methylphenol	1660	1360		ug/Kg		82	61 - 120

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

Lab Sample ID: LCS 480-691629/2-A
Matrix: Solid
Analysis Batch: 691811

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 691629

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4-Chloroaniline	1660	1180		ug/Kg		71	38 - 120
4-Chlorophenyl phenyl ether	1660	1510		ug/Kg		91	63 - 124
4-Methylphenol	1660	1380		ug/Kg		84	55 - 120
4-Nitroaniline	1660	1360		ug/Kg		82	56 - 120
4-Nitrophenol	3310	2960		ug/Kg		90	43 - 147
Acenaphthene	1660	1580		ug/Kg		95	62 - 120
Acenaphthylene	1660	1540		ug/Kg		93	58 - 121
Acetophenone	1660	1340		ug/Kg		81	54 - 120
Anthracene	1660	1580		ug/Kg		96	62 - 120
Atrazine	3310	2800		ug/Kg		85	60 - 127
Benzaldehyde	3310	1780		ug/Kg		54	10 - 150
Benzo[a]anthracene	1660	1610		ug/Kg		97	65 - 120
Benzo[a]pyrene	1660	1730		ug/Kg		105	64 - 120
Benzo[b]fluoranthene	1660	1610		ug/Kg		97	64 - 120
Benzo[g,h,i]perylene	1660	1530		ug/Kg		93	45 - 145
Benzo[k]fluoranthene	1660	1550		ug/Kg		94	65 - 120
Biphenyl	1660	1590		ug/Kg		96	59 - 120
bis (2-chloroisopropyl) ether	1660	1370		ug/Kg		83	44 - 120
Bis(2-chloroethoxy)methane	1660	1350		ug/Kg		81	55 - 120
Bis(2-chloroethyl)ether	1660	1270		ug/Kg		77	45 - 120
Bis(2-ethylhexyl) phthalate	1660	1660		ug/Kg		100	61 - 133
Butyl benzyl phthalate	1660	1730		ug/Kg		104	61 - 129
Caprolactam	3310	2550		ug/Kg		77	47 - 120
Carbazole	1660	1540		ug/Kg		93	65 - 120
Chrysene	1660	1640		ug/Kg		99	64 - 120
Dibenz(a,h)anthracene	1660	1600		ug/Kg		97	54 - 132
Dibenzofuran	1660	1470		ug/Kg		89	63 - 120
Diethyl phthalate	1660	1480		ug/Kg		89	66 - 120
Dimethyl phthalate	1660	1500		ug/Kg		91	65 - 124
Di-n-butyl phthalate	1660	1590		ug/Kg		96	58 - 130
Di-n-octyl phthalate	1660	1630		ug/Kg		98	57 - 133
Fluoranthene	1660	1520		ug/Kg		92	62 - 120
Fluorene	1660	1500		ug/Kg		91	63 - 120
Hexachlorobenzene	1660	1550		ug/Kg		94	60 - 120
Hexachlorobutadiene	1660	1360		ug/Kg		82	45 - 120
Hexachlorocyclopentadiene	1660	1240		ug/Kg		75	47 - 120
Hexachloroethane	1660	1210		ug/Kg		73	41 - 120
Indeno[1,2,3-cd]pyrene	1660	1660		ug/Kg		101	56 - 134
Isophorone	1660	1440		ug/Kg		87	56 - 120
Naphthalene	1660	1350		ug/Kg		82	55 - 120
Nitrobenzene	1660	1360		ug/Kg		82	54 - 120
N-Nitrosodi-n-propylamine	1660	1360		ug/Kg		82	52 - 120
Pentachlorophenol	3310	2990		ug/Kg		90	51 - 120
Phenanthrene	1660	1570		ug/Kg		95	60 - 120
Phenol	1660	1330		ug/Kg		80	53 - 120
Pyrene	1660	1770		ug/Kg		107	61 - 133

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

Lab Sample ID: LCS 480-691629/2-A
Matrix: Solid
Analysis Batch: 691811

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 691629

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol	94		54 - 120
2-Fluorobiphenyl	95		60 - 120
2-Fluorophenol	82		52 - 120
Nitrobenzene-d5	83		53 - 120
Phenol-d5	83		54 - 120
p-Terphenyl-d14	101		79 - 130

Lab Sample ID: MB 480-691637/1-A
Matrix: Water
Analysis Batch: 691991

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 691637

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		11/13/23 08:51	11/15/23 18:28	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		11/13/23 08:51	11/15/23 18:28	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		11/13/23 08:51	11/15/23 18:28	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		11/13/23 08:51	11/15/23 18:28	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		11/13/23 08:51	11/15/23 18:28	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		11/13/23 08:51	11/15/23 18:28	1
2-Chlorophenol	ND		5.0	0.53	ug/L		11/13/23 08:51	11/15/23 18:28	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		11/13/23 08:51	11/15/23 18:28	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		11/13/23 08:51	11/15/23 18:28	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		11/13/23 08:51	11/15/23 18:28	1
2-Methylphenol	ND		5.0	0.40	ug/L		11/13/23 08:51	11/15/23 18:28	1
2-Nitroaniline	ND		10	0.42	ug/L		11/13/23 08:51	11/15/23 18:28	1
2-Nitrophenol	ND		5.0	0.48	ug/L		11/13/23 08:51	11/15/23 18:28	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		11/13/23 08:51	11/15/23 18:28	1
3-Nitroaniline	ND		10	0.48	ug/L		11/13/23 08:51	11/15/23 18:28	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		11/13/23 08:51	11/15/23 18:28	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		11/13/23 08:51	11/15/23 18:28	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		11/13/23 08:51	11/15/23 18:28	1
4-Chloroaniline	ND		5.0	0.59	ug/L		11/13/23 08:51	11/15/23 18:28	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		11/13/23 08:51	11/15/23 18:28	1
4-Methylphenol	ND		10	0.36	ug/L		11/13/23 08:51	11/15/23 18:28	1
4-Nitroaniline	ND		10	0.25	ug/L		11/13/23 08:51	11/15/23 18:28	1
4-Nitrophenol	ND		10	1.5	ug/L		11/13/23 08:51	11/15/23 18:28	1
Acenaphthene	ND		5.0	0.41	ug/L		11/13/23 08:51	11/15/23 18:28	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/13/23 08:51	11/15/23 18:28	1
Acetophenone	ND		5.0	0.54	ug/L		11/13/23 08:51	11/15/23 18:28	1
Anthracene	ND		5.0	0.28	ug/L		11/13/23 08:51	11/15/23 18:28	1
Atrazine	ND		5.0	0.46	ug/L		11/13/23 08:51	11/15/23 18:28	1
Benzaldehyde	ND		5.0	0.27	ug/L		11/13/23 08:51	11/15/23 18:28	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		11/13/23 08:51	11/15/23 18:28	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		11/13/23 08:51	11/15/23 18:28	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		11/13/23 08:51	11/15/23 18:28	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		11/13/23 08:51	11/15/23 18:28	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		11/13/23 08:51	11/15/23 18:28	1
Biphenyl	ND		5.0	0.65	ug/L		11/13/23 08:51	11/15/23 18:28	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		11/13/23 08:51	11/15/23 18:28	1

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

Lab Sample ID: MB 480-691637/1-A
Matrix: Water
Analysis Batch: 691991

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 691637

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		11/13/23 08:51	11/15/23 18:28	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		11/13/23 08:51	11/15/23 18:28	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		11/13/23 08:51	11/15/23 18:28	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		11/13/23 08:51	11/15/23 18:28	1
Caprolactam	ND		5.0	2.2	ug/L		11/13/23 08:51	11/15/23 18:28	1
Carbazole	ND		5.0	0.30	ug/L		11/13/23 08:51	11/15/23 18:28	1
Chrysene	ND		5.0	0.33	ug/L		11/13/23 08:51	11/15/23 18:28	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/13/23 08:51	11/15/23 18:28	1
Dibenzofuran	ND		10	0.51	ug/L		11/13/23 08:51	11/15/23 18:28	1
Diethyl phthalate	ND		5.0	0.22	ug/L		11/13/23 08:51	11/15/23 18:28	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		11/13/23 08:51	11/15/23 18:28	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		11/13/23 08:51	11/15/23 18:28	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		11/13/23 08:51	11/15/23 18:28	1
Fluoranthene	ND		5.0	0.40	ug/L		11/13/23 08:51	11/15/23 18:28	1
Fluorene	ND		5.0	0.36	ug/L		11/13/23 08:51	11/15/23 18:28	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		11/13/23 08:51	11/15/23 18:28	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		11/13/23 08:51	11/15/23 18:28	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		11/13/23 08:51	11/15/23 18:28	1
Hexachloroethane	ND		5.0	0.59	ug/L		11/13/23 08:51	11/15/23 18:28	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		11/13/23 08:51	11/15/23 18:28	1
Isophorone	ND		5.0	0.43	ug/L		11/13/23 08:51	11/15/23 18:28	1
Naphthalene	ND		5.0	0.76	ug/L		11/13/23 08:51	11/15/23 18:28	1
Nitrobenzene	ND		5.0	0.29	ug/L		11/13/23 08:51	11/15/23 18:28	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		11/13/23 08:51	11/15/23 18:28	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		11/13/23 08:51	11/15/23 18:28	1
Pentachlorophenol	ND		10	2.2	ug/L		11/13/23 08:51	11/15/23 18:28	1
Phenanthrene	ND		5.0	0.44	ug/L		11/13/23 08:51	11/15/23 18:28	1
Phenol	ND		5.0	0.39	ug/L		11/13/23 08:51	11/15/23 18:28	1
Pyrene	ND		5.0	0.34	ug/L		11/13/23 08:51	11/15/23 18:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*46*		*41 - 120*	*11/13/23 08:51*	*11/15/23 18:28*	*1*
2-Fluorobiphenyl	*73*		*48 - 120*	*11/13/23 08:51*	*11/15/23 18:28*	*1*
2-Fluorophenol	*59*		*35 - 120*	*11/13/23 08:51*	*11/15/23 18:28*	*1*
Nitrobenzene-d5	*71*		*46 - 120*	*11/13/23 08:51*	*11/15/23 18:28*	*1*
Phenol-d5	*46*		*22 - 120*	*11/13/23 08:51*	*11/15/23 18:28*	*1*
p-Terphenyl-d14	*84*		*60 - 148*	*11/13/23 08:51*	*11/15/23 18:28*	*1*

Lab Sample ID: LCS 480-691637/2-A
Matrix: Water
Analysis Batch: 691991

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 691637

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dichlorophenol	32.0	27.2		ug/L		85	63 - 120
2,4-Dimethylphenol	32.0	23.5		ug/L		73	47 - 120
2,4-Dinitrophenol	64.0	56.9		ug/L		89	31 - 137
2,4-Dinitrotoluene	32.0	31.0		ug/L		97	69 - 120
2,6-Dinitrotoluene	32.0	28.9		ug/L		90	68 - 120

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

Lab Sample ID: LCS 480-691637/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 691991
Prep Batch: 691637

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Chloronaphthalene	32.0	32.9		ug/L		103	58 - 120
2-Chlorophenol	32.0	28.4		ug/L		89	48 - 120
2,4,5-Trichlorophenol	32.0	28.9		ug/L		90	65 - 126
2,4,6-Trichlorophenol	32.0	27.5		ug/L		86	64 - 120
2-Methylnaphthalene	32.0	25.5		ug/L		80	59 - 120
2-Methylphenol	32.0	28.5		ug/L		89	39 - 120
2-Nitroaniline	32.0	34.3		ug/L		107	54 - 127
2-Nitrophenol	32.0	26.7		ug/L		84	52 - 125
3,3'-Dichlorobenzidine	64.0	64.8		ug/L		101	49 - 135
3-Nitroaniline	32.0	28.7		ug/L		90	51 - 120
4,6-Dinitro-2-methylphenol	64.0	64.1		ug/L		100	46 - 136
4-Bromophenyl phenyl ether	32.0	28.4		ug/L		89	65 - 120
4-Chloro-3-methylphenol	32.0	30.0		ug/L		94	61 - 123
4-Chloroaniline	32.0	24.0		ug/L		75	30 - 120
4-Chlorophenyl phenyl ether	32.0	26.7		ug/L		83	62 - 120
4-Methylphenol	32.0	32.3		ug/L		101	29 - 131
4-Nitroaniline	32.0	32.2		ug/L		101	65 - 120
4-Nitrophenol	64.0	61.2		ug/L		96	45 - 120
Acenaphthene	32.0	28.0		ug/L		87	60 - 120
Acenaphthylene	32.0	27.1		ug/L		85	63 - 120
Acetophenone	32.0	29.4		ug/L		92	45 - 120
Anthracene	32.0	28.7		ug/L		90	67 - 120
Atrazine	64.0	59.5		ug/L		93	71 - 130
Benzaldehyde	64.0	61.0		ug/L		95	10 - 140
Benzo(a)anthracene	32.0	29.4		ug/L		92	70 - 121
Benzo(a)pyrene	32.0	31.0		ug/L		97	60 - 123
Benzo(b)fluoranthene	32.0	28.9		ug/L		90	66 - 126
Benzo(g,h,i)perylene	32.0	29.6		ug/L		92	66 - 150
Benzo(k)fluoranthene	32.0	29.2		ug/L		91	65 - 124
Biphenyl	32.0	27.1		ug/L		85	59 - 120
bis (2-chloroisopropyl) ether	32.0	30.2		ug/L		94	21 - 136
Bis(2-chloroethoxy)methane	32.0	28.4		ug/L		89	50 - 128
Bis(2-chloroethyl)ether	32.0	30.3		ug/L		95	44 - 120
Bis(2-ethylhexyl) phthalate	32.0	30.7		ug/L		96	63 - 139
Butyl benzyl phthalate	32.0	30.6		ug/L		96	70 - 129
Caprolactam	64.0	23.9		ug/L		37	22 - 120
Carbazole	32.0	33.9		ug/L		106	66 - 123
Chrysene	32.0	30.2		ug/L		94	69 - 120
Dibenz(a,h)anthracene	32.0	30.5		ug/L		95	65 - 135
Dibenzofuran	32.0	27.4		ug/L		86	66 - 120
Diethyl phthalate	32.0	29.9		ug/L		93	59 - 127
Dimethyl phthalate	32.0	29.8		ug/L		93	68 - 120
Di-n-butyl phthalate	32.0	31.3		ug/L		98	69 - 131
Di-n-octyl phthalate	32.0	32.2		ug/L		101	63 - 140
Fluoranthene	32.0	29.7		ug/L		93	69 - 126
Fluorene	32.0	28.8		ug/L		90	66 - 120
Hexachlorobenzene	32.0	27.8		ug/L		87	61 - 120
Hexachlorobutadiene	32.0	20.7		ug/L		65	35 - 120
Hexachlorocyclopentadiene	32.0	10.7		ug/L		33	31 - 120

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

Lab Sample ID: LCS 480-691637/2-A
Matrix: Water
Analysis Batch: 691991

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 691637

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Hexachloroethane	32.0	24.3		ug/L		76	33 - 120
Indeno(1,2,3-cd)pyrene	32.0	33.4		ug/L		104	69 - 146
Isophorone	32.0	29.9		ug/L		93	55 - 120
Naphthalene	32.0	25.7		ug/L		80	57 - 120
Nitrobenzene	32.0	29.9		ug/L		93	53 - 123
N-Nitrosodi-n-propylamine	32.0	32.5		ug/L		102	32 - 140
Pentachlorophenol	64.0	56.8		ug/L		89	29 - 136
Phenanthrene	32.0	29.8		ug/L		93	68 - 120
Phenol	32.0	21.2		ug/L		66	17 - 120
Pyrene	32.0	30.3		ug/L		95	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*77*		*41 - 120*
2-Fluorobiphenyl	*87*		*48 - 120*
2-Fluorophenol	*74*		*35 - 120*
Nitrobenzene-d5	*92*		*46 - 120*
Phenol-d5	*60*		*22 - 120*
p-Terphenyl-d14	*90*		*60 - 148*

Lab Sample ID: MB 480-691973/1-A
Matrix: Solid
Analysis Batch: 692860

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 691973

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.010	0.00045	mg/L		11/15/23 09:28	11/22/23 02:49	1
3-Methylphenol	ND		0.010	0.00040	mg/L		11/15/23 09:28	11/22/23 02:49	1
2,4-Dinitrotoluene	ND		0.0050	0.00043	mg/L		11/15/23 09:28	11/22/23 02:49	1
Pyridine	ND		0.025	0.00040	mg/L		11/15/23 09:28	11/22/23 02:49	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		11/15/23 09:28	11/22/23 02:49	1
2,4,6-Trichlorophenol	ND		0.0050	0.00060	mg/L		11/15/23 09:28	11/22/23 02:49	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		11/15/23 09:28	11/22/23 02:49	1
4-Methylphenol	ND		0.010	0.00035	mg/L		11/15/23 09:28	11/22/23 02:49	1
Hexachlorobenzene	ND		0.0050	0.00050	mg/L		11/15/23 09:28	11/22/23 02:49	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		11/15/23 09:28	11/22/23 02:49	1
Hexachloroethane	ND		0.0050	0.00058	mg/L		11/15/23 09:28	11/22/23 02:49	1
Nitrobenzene	ND		0.0050	0.00028	mg/L		11/15/23 09:28	11/22/23 02:49	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		11/15/23 09:28	11/22/23 02:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*80*		*41 - 120*	*11/15/23 09:28*	*11/22/23 02:49*	*1*
2-Fluorobiphenyl	*87*		*48 - 120*	*11/15/23 09:28*	*11/22/23 02:49*	*1*
2-Fluorophenol	*50*		*35 - 120*	*11/15/23 09:28*	*11/22/23 02:49*	*1*
Nitrobenzene-d5	*89*		*46 - 120*	*11/15/23 09:28*	*11/22/23 02:49*	*1*
Phenol-d5	*37*		*22 - 120*	*11/15/23 09:28*	*11/22/23 02:49*	*1*
p-Terphenyl-d14	*89*		*60 - 148*	*11/15/23 09:28*	*11/22/23 02:49*	*1*

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

Lab Sample ID: LCS 480-691973/2-A
Matrix: Solid
Analysis Batch: 692860

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 691973

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dichlorobenzene			0.0500	0.0311		mg/L		62	42 - 120		
3-Methylphenol			0.0500	0.0369		mg/L		74	39 - 120		
2,4-Dinitrotoluene			0.0500	0.0448		mg/L		90	69 - 120		
Pyridine			0.100	0.0320		mg/L		32	10 - 120		
2,4,5-Trichlorophenol			0.0500	0.0417		mg/L		83	65 - 126		
2,4,6-Trichlorophenol			0.0500	0.0426		mg/L		85	64 - 120		
2-Methylphenol			0.0500	0.0354		mg/L		71	39 - 120		
4-Methylphenol			0.0500	0.0369		mg/L		74	29 - 131		
Hexachlorobenzene			0.0500	0.0428		mg/L		86	61 - 120		
Hexachlorobutadiene			0.0500	0.0307		mg/L		61	35 - 120		
Hexachloroethane			0.0500	0.0288		mg/L		58	33 - 120		
Nitrobenzene			0.0500	0.0395		mg/L		79	53 - 123		
Pentachlorophenol			0.100	0.0807		mg/L		81	29 - 136		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*90*		*41 - 120*
2-Fluorobiphenyl	*84*		*48 - 120*
2-Fluorophenol	*51*		*35 - 120*
Nitrobenzene-d5	*83*		*46 - 120*
Phenol-d5	*37*		*22 - 120*
p-Terphenyl-d14	*86*		*60 - 148*

Lab Sample ID: LCSD 480-691973/3-A
Matrix: Solid
Analysis Batch: 692860

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 691973

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dichlorobenzene			0.0500	0.0364		mg/L		73	42 - 120	16	36
3-Methylphenol			0.0500	0.0421		mg/L		84	39 - 120	13	30
2,4-Dinitrotoluene			0.0500	0.0514		mg/L		103	69 - 120	14	20
Pyridine			0.100	0.0387		mg/L		39	10 - 120	19	49
2,4,5-Trichlorophenol			0.0500	0.0474		mg/L		95	65 - 126	13	18
2,4,6-Trichlorophenol			0.0500	0.0475		mg/L		95	64 - 120	11	19
2-Methylphenol			0.0500	0.0403		mg/L		81	39 - 120	13	27
4-Methylphenol			0.0500	0.0421		mg/L		84	29 - 131	13	24
Hexachlorobenzene			0.0500	0.0486		mg/L		97	61 - 120	13	15
Hexachlorobutadiene			0.0500	0.0352		mg/L		70	35 - 120	13	44
Hexachloroethane			0.0500	0.0325		mg/L		65	33 - 120	12	46
Nitrobenzene			0.0500	0.0456		mg/L		91	53 - 123	14	24
Pentachlorophenol			0.100	0.0899		mg/L		90	29 - 136	11	37

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*101*		*41 - 120*
2-Fluorobiphenyl	*93*		*48 - 120*
2-Fluorophenol	*57*		*35 - 120*
Nitrobenzene-d5	*94*		*46 - 120*
Phenol-d5	*43*		*22 - 120*
p-Terphenyl-d14	*95*		*60 - 148*

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

Lab Sample ID: LB 480-691789/1-C
Matrix: Solid
Analysis Batch: 692860

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 691973

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.040	0.0018	mg/L		11/15/23 09:28	11/22/23 04:02	1
3-Methylphenol	ND		0.040	0.0016	mg/L		11/15/23 09:28	11/22/23 04:02	1
2,4-Dinitrotoluene	ND		0.020	0.0017	mg/L		11/15/23 09:28	11/22/23 04:02	1
Pyridine	ND		0.10	0.0016	mg/L		11/15/23 09:28	11/22/23 04:02	1
2,4,5-Trichlorophenol	ND		0.020	0.0019	mg/L		11/15/23 09:28	11/22/23 04:02	1
2,4,6-Trichlorophenol	ND		0.020	0.0024	mg/L		11/15/23 09:28	11/22/23 04:02	1
2-Methylphenol	ND		0.020	0.0016	mg/L		11/15/23 09:28	11/22/23 04:02	1
4-Methylphenol	ND		0.040	0.0014	mg/L		11/15/23 09:28	11/22/23 04:02	1
Hexachlorobenzene	ND		0.020	0.0020	mg/L		11/15/23 09:28	11/22/23 04:02	1
Hexachlorobutadiene	ND		0.020	0.0027	mg/L		11/15/23 09:28	11/22/23 04:02	1
Hexachloroethane	ND		0.020	0.0023	mg/L		11/15/23 09:28	11/22/23 04:02	1
Nitrobenzene	ND		0.020	0.0011	mg/L		11/15/23 09:28	11/22/23 04:02	1
Pentachlorophenol	ND		0.040	0.0088	mg/L		11/15/23 09:28	11/22/23 04:02	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*85*		*41 - 120*	*11/15/23 09:28*	*11/22/23 04:02*	*1*
2-Fluorobiphenyl	*84*		*48 - 120*	*11/15/23 09:28*	*11/22/23 04:02*	*1*
2-Fluorophenol	*49*		*35 - 120*	*11/15/23 09:28*	*11/22/23 04:02*	*1*
Nitrobenzene-d5	*84*		*46 - 120*	*11/15/23 09:28*	*11/22/23 04:02*	*1*
Phenol-d5	*35*		*22 - 120*	*11/15/23 09:28*	*11/22/23 04:02*	*1*
p-Terphenyl-d14	*84*		*60 - 148*	*11/15/23 09:28*	*11/22/23 04:02*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-691622/1-A
Matrix: Water
Analysis Batch: 691782

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 691622

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		11/13/23 07:17	11/14/23 08:41	1
4,4'-DDE	ND		0.050	0.012	ug/L		11/13/23 07:17	11/14/23 08:41	1
4,4'-DDT	ND		0.050	0.011	ug/L		11/13/23 07:17	11/14/23 08:41	1
Aldrin	ND		0.050	0.0081	ug/L		11/13/23 07:17	11/14/23 08:41	1
alpha-BHC	ND		0.050	0.0077	ug/L		11/13/23 07:17	11/14/23 08:41	1
cis-Chlordane	ND		0.050	0.015	ug/L		11/13/23 07:17	11/14/23 08:41	1
beta-BHC	ND		0.050	0.025	ug/L		11/13/23 07:17	11/14/23 08:41	1
delta-BHC	ND		0.050	0.010	ug/L		11/13/23 07:17	11/14/23 08:41	1
Dieldrin	ND		0.050	0.0098	ug/L		11/13/23 07:17	11/14/23 08:41	1
Endosulfan I	ND		0.050	0.011	ug/L		11/13/23 07:17	11/14/23 08:41	1
Endosulfan II	ND		0.050	0.012	ug/L		11/13/23 07:17	11/14/23 08:41	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		11/13/23 07:17	11/14/23 08:41	1
Endrin	ND		0.050	0.014	ug/L		11/13/23 07:17	11/14/23 08:41	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		11/13/23 07:17	11/14/23 08:41	1
Heptachlor	ND		0.050	0.0085	ug/L		11/13/23 07:17	11/14/23 08:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*36*		*20 - 120*	*11/13/23 07:17*	*11/14/23 08:41*	*1*
Tetrachloro-m-xylene	*80*		*44 - 120*	*11/13/23 07:17*	*11/14/23 08:41*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: LCS 480-691622/2-A
Matrix: Water
Analysis Batch: 691782

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 691622

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	0.400	0.316		ug/L		79	64 - 129
4,4'-DDE	0.400	0.270		ug/L		67	50 - 120
4,4'-DDT	0.400	0.299		ug/L		75	59 - 120
Aldrin	0.400	0.263		ug/L		66	40 - 125
alpha-BHC	0.400	0.260		ug/L		65	52 - 125
cis-Chlordane	0.400	0.257		ug/L		64	52 - 120
beta-BHC	0.400	0.309		ug/L		77	51 - 120
delta-BHC	0.400	0.296		ug/L		74	51 - 120
Dieldrin	0.400	0.340		ug/L		85	66 - 128
Endosulfan I	0.400	0.321		ug/L		80	57 - 120
Endosulfan II	0.400	0.385		ug/L		96	66 - 131
Endosulfan sulfate	0.400	0.291		ug/L		73	66 - 136
Endrin	0.400	0.346		ug/L		86	65 - 135
gamma-BHC (Lindane)	0.400	0.277		ug/L		69	56 - 120
Heptachlor	0.400	0.299		ug/L		75	58 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*38*		*20 - 120*
Tetrachloro-m-xylene	*73*		*44 - 120*

Lab Sample ID: MB 480-691976/1-A
Matrix: Solid
Analysis Batch: 692159

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 691976

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.00050	0.0000073	mg/L		11/15/23 09:33	11/16/23 09:51	1
Heptachlor epoxide	ND		0.000050	0.0000013	mg/L		11/15/23 09:33	11/16/23 09:51	1
Methoxychlor	ND		0.000050	0.0000035	mg/L		11/15/23 09:33	11/16/23 09:51	1
Toxaphene	ND		0.00050	0.000030	mg/L		11/15/23 09:33	11/16/23 09:51	1
Endrin	ND		0.000050	0.0000035	mg/L		11/15/23 09:33	11/16/23 09:51	1
gamma-BHC (Lindane)	ND		0.000050	0.0000015	mg/L		11/15/23 09:33	11/16/23 09:51	1
Heptachlor	ND		0.000050	0.0000021	mg/L		11/15/23 09:33	11/16/23 09:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*62*		*20 - 120*	*11/15/23 09:33*	*11/16/23 09:51*	*1*
Tetrachloro-m-xylene	*96*		*44 - 120*	*11/15/23 09:33*	*11/16/23 09:51*	*1*

Lab Sample ID: LCS 480-691976/2-A
Matrix: Solid
Analysis Batch: 692159

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 691976

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Heptachlor epoxide	0.000500	0.000547		mg/L		109	65 - 125
Methoxychlor	0.000500	0.000561		mg/L		112	50 - 150
Endrin	0.000500	0.000584		mg/L		117	65 - 135
gamma-BHC (Lindane)	0.000500	0.000517		mg/L		103	56 - 120
Heptachlor	0.000500	0.000496		mg/L		99	58 - 120

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 480-691976/2-A
Matrix: Solid
Analysis Batch: 692159

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 691976

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	62		20 - 120
Tetrachloro-m-xylene	83		44 - 120

Lab Sample ID: LCSD 480-691976/3-A
Matrix: Solid
Analysis Batch: 692159

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 691976

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Heptachlor epoxide			0.000500	0.000520		mg/L		104	65 - 125	5	23
Methoxychlor			0.000500	0.000554		mg/L		111	50 - 150	1	26
Endrin			0.000500	0.000561		mg/L		112	65 - 135	4	24
gamma-BHC (Lindane)			0.000500	0.000501		mg/L		100	56 - 120	3	24
Heptachlor			0.000500	0.000480		mg/L		96	58 - 120	3	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	58		20 - 120
Tetrachloro-m-xylene	80		44 - 120

Lab Sample ID: MB 480-692155/1-A
Matrix: Solid
Analysis Batch: 692159

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 692155

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.32	ug/Kg		11/16/23 07:21	11/16/23 13:27	1
4,4'-DDE	ND		1.7	0.35	ug/Kg		11/16/23 07:21	11/16/23 13:27	1
4,4'-DDT	ND		1.7	0.39	ug/Kg		11/16/23 07:21	11/16/23 13:27	1
Aldrin	ND		1.7	0.41	ug/Kg		11/16/23 07:21	11/16/23 13:27	1
alpha-BHC	ND		1.7	0.30	ug/Kg		11/16/23 07:21	11/16/23 13:27	1
cis-Chlordane	ND		1.7	0.83	ug/Kg		11/16/23 07:21	11/16/23 13:27	1
beta-BHC	ND		1.7	0.30	ug/Kg		11/16/23 07:21	11/16/23 13:27	1
delta-BHC	ND		1.7	0.31	ug/Kg		11/16/23 07:21	11/16/23 13:27	1
Dieldrin	ND		1.7	0.40	ug/Kg		11/16/23 07:21	11/16/23 13:27	1
Endosulfan I	ND		1.7	0.32	ug/Kg		11/16/23 07:21	11/16/23 13:27	1
Endosulfan II	ND		1.7	0.30	ug/Kg		11/16/23 07:21	11/16/23 13:27	1
Endosulfan sulfate	ND		1.7	0.31	ug/Kg		11/16/23 07:21	11/16/23 13:27	1
Endrin	ND		1.7	0.33	ug/Kg		11/16/23 07:21	11/16/23 13:27	1
gamma-BHC (Lindane)	ND		1.7	0.31	ug/Kg		11/16/23 07:21	11/16/23 13:27	1
Heptachlor	ND		1.7	0.36	ug/Kg		11/16/23 07:21	11/16/23 13:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	102		45 - 120	11/16/23 07:21	11/16/23 13:27	1
Tetrachloro-m-xylene	90		30 - 124	11/16/23 07:21	11/16/23 13:27	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 480-692155/2-A
Matrix: Solid
Analysis Batch: 692159

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 692155

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
4,4'-DDD			16.6	17.2		ug/Kg		104	56 - 120		
4,4'-DDE			16.6	17.3		ug/Kg		104	44 - 120		
4,4'-DDT			16.6	16.2		ug/Kg		98	38 - 120		
Aldrin			16.6	17.0		ug/Kg		103	38 - 120		
alpha-BHC			16.6	15.1		ug/Kg		91	39 - 120		
cis-Chlordane			16.6	16.9		ug/Kg		102	47 - 120		
beta-BHC			16.6	15.2		ug/Kg		92	40 - 120		
delta-BHC			16.6	16.0		ug/Kg		96	45 - 120		
Dieldrin			16.6	17.8		ug/Kg		108	58 - 120		
Endosulfan I			16.6	17.6		ug/Kg		106	49 - 120		
Endosulfan II			16.6	17.4		ug/Kg		105	55 - 120		
Endosulfan sulfate			16.6	14.3		ug/Kg		86	49 - 124		
Endrin			16.6	17.8		ug/Kg		107	58 - 120		
gamma-BHC (Lindane)			16.6	16.0		ug/Kg		96	50 - 120		
Heptachlor			16.6	15.9		ug/Kg		96	50 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*105*		*45 - 120*
Tetrachloro-m-xylene	*95*		*30 - 124*

Lab Sample ID: LCSD 480-692155/3-A
Matrix: Solid
Analysis Batch: 692159

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 692155

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD			16.6	16.9		ug/Kg		101	56 - 120	2	18
4,4'-DDE			16.6	16.6		ug/Kg		100	44 - 120	4	16
4,4'-DDT			16.6	15.1		ug/Kg		91	38 - 120	7	17
Aldrin			16.6	16.5		ug/Kg		99	38 - 120	3	24
alpha-BHC			16.6	14.6		ug/Kg		88	39 - 120	3	19
cis-Chlordane			16.6	15.9		ug/Kg		96	47 - 120	6	13
beta-BHC			16.6	15.6		ug/Kg		94	40 - 120	2	17
delta-BHC			16.6	15.4		ug/Kg		93	45 - 120	4	14
Dieldrin			16.6	17.0		ug/Kg		102	58 - 120	5	13
Endosulfan I			16.6	17.4		ug/Kg		105	49 - 120	1	16
Endosulfan II			16.6	16.8		ug/Kg		101	55 - 120	3	17
Endosulfan sulfate			16.6	12.0	*1	ug/Kg		72	49 - 124	17	14
Endrin			16.6	17.1		ug/Kg		103	58 - 120	4	19
gamma-BHC (Lindane)			16.6	15.4		ug/Kg		92	50 - 120	4	20
Heptachlor			16.6	15.0		ug/Kg		90	50 - 120	6	16

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*101*		*45 - 120*
Tetrachloro-m-xylene	*91*		*30 - 124*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LB 480-691789/1-D
Matrix: Solid
Analysis Batch: 692159

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 691976

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.0020	0.000029	mg/L		11/15/23 09:33	11/16/23 11:09	1
Heptachlor epoxide	ND		0.00020	0.0000053	mg/L		11/15/23 09:33	11/16/23 11:09	1
Methoxychlor	ND		0.00020	0.000014	mg/L		11/15/23 09:33	11/16/23 11:09	1
Toxaphene	ND		0.0020	0.00012	mg/L		11/15/23 09:33	11/16/23 11:09	1
Endrin	ND		0.00020	0.000014	mg/L		11/15/23 09:33	11/16/23 11:09	1
gamma-BHC (Lindane)	ND		0.00020	0.0000060	mg/L		11/15/23 09:33	11/16/23 11:09	1
Heptachlor	ND		0.00020	0.0000085	mg/L		11/15/23 09:33	11/16/23 11:09	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*65*		*20 - 120*	*11/15/23 09:33*	*11/16/23 11:09*	*1*
Tetrachloro-m-xylene	*75*		*44 - 120*	*11/15/23 09:33*	*11/16/23 11:09*	*1*

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

Lab Sample ID: MB 480-691795/1-A
Matrix: Solid
Analysis Batch: 692026

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 691795

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.22	0.042	mg/Kg		11/14/23 08:35	11/15/23 13:39	1
PCB-1221	ND		0.22	0.042	mg/Kg		11/14/23 08:35	11/15/23 13:39	1
PCB-1232	ND		0.22	0.042	mg/Kg		11/14/23 08:35	11/15/23 13:39	1
PCB-1242	ND		0.22	0.042	mg/Kg		11/14/23 08:35	11/15/23 13:39	1
PCB-1248	ND		0.22	0.042	mg/Kg		11/14/23 08:35	11/15/23 13:39	1
PCB-1254	ND		0.22	0.10	mg/Kg		11/14/23 08:35	11/15/23 13:39	1
PCB-1260	ND		0.22	0.10	mg/Kg		11/14/23 08:35	11/15/23 13:39	1
PCB-1262	ND		0.22	0.10	mg/Kg		11/14/23 08:35	11/15/23 13:39	1
PCB-1268	ND		0.22	0.10	mg/Kg		11/14/23 08:35	11/15/23 13:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*122*		*60 - 154*	*11/14/23 08:35*	*11/15/23 13:39*	*1*
DCB Decachlorobiphenyl	*131*		*65 - 174*	*11/14/23 08:35*	*11/15/23 13:39*	*1*

Lab Sample ID: LCS 480-691795/2-A
Matrix: Solid
Analysis Batch: 692026

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 691795

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			2.03	2.96		mg/Kg		145	51 - 185		
PCB-1260			2.03	3.18		mg/Kg		157	61 - 184		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*132*		*60 - 154*
DCB Decachlorobiphenyl	*148*		*65 - 174*

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

Lab Sample ID: MB 480-692151/1-A
Matrix: Water
Analysis Batch: 692387

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 692151

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		11/16/23 06:55	11/17/23 12:20	1
PCB-1221	ND		0.50	0.18	ug/L		11/16/23 06:55	11/17/23 12:20	1
PCB-1232	ND		0.50	0.18	ug/L		11/16/23 06:55	11/17/23 12:20	1
PCB-1242	ND		0.50	0.18	ug/L		11/16/23 06:55	11/17/23 12:20	1
PCB-1248	ND		0.50	0.18	ug/L		11/16/23 06:55	11/17/23 12:20	1
PCB-1254	ND		0.50	0.25	ug/L		11/16/23 06:55	11/17/23 12:20	1
PCB-1260	ND		0.50	0.25	ug/L		11/16/23 06:55	11/17/23 12:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*81*		*39 - 121*	*11/16/23 06:55*	*11/17/23 12:20*	*1*
DCB Decachlorobiphenyl	*46*		*19 - 120*	*11/16/23 06:55*	*11/17/23 12:20*	*1*

Lab Sample ID: LCS 480-692151/2-A
Matrix: Water
Analysis Batch: 692387

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 692151

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			4.00	2.93		ug/L		73	62 - 130		
PCB-1260			4.00	2.56		ug/L		64	56 - 123		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*67*		*39 - 121*
DCB Decachlorobiphenyl	*38*		*19 - 120*

Method: 8151 - TCLP Herbicides

Lab Sample ID: MB 480-691981/1-A
Matrix: Solid
Analysis Batch: 692224

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 691981

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.00050	0.000090	mg/L		11/15/23 09:38	11/16/23 12:46	1
2,4-D	ND		0.00050	0.00010	mg/L		11/15/23 09:38	11/16/23 12:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*127*		*21 - 143*	*11/15/23 09:38*	*11/16/23 12:46*	*1*

Lab Sample ID: LCS 480-691981/2-A
Matrix: Solid
Analysis Batch: 692224

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 691981

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Silvex (2,4,5-TP)			0.00200	0.00171		mg/L		86	49 - 150		
2,4-D			0.00200	0.00174		mg/L		87	36 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*103*		*21 - 143*

Method: 8151 - TCLP Herbicides (Continued)

Lab Sample ID: LCSD 480-691981/3-A
Matrix: Solid
Analysis Batch: 692224

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 691981

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Silvex (2,4,5-TP)			0.00200	0.00188		mg/L		94	49 - 150	9	50
2,4-D			0.00200	0.00200		mg/L		100	36 - 150	14	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*119*		*21 - 143*

Lab Sample ID: LB 480-691789/1-E
Matrix: Solid
Analysis Batch: 692224

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 691981

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.0020	0.00036	mg/L		11/15/23 09:38	11/16/23 13:39	1
2,4-D	ND		0.0020	0.00040	mg/L		11/15/23 09:38	11/16/23 13:39	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*32*		*21 - 143*	*11/15/23 09:38*	*11/16/23 13:39*	*1*

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 480-691548/1-A
Matrix: Water
Analysis Batch: 691617

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 691548

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.50	0.050	ug/L		11/12/23 09:33	11/13/23 16:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*81*		*21 - 143*	*11/12/23 09:33*	*11/13/23 16:01*	*1*

Lab Sample ID: LCS 480-691548/2-A
Matrix: Water
Analysis Batch: 691617

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 691548

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Silvex (2,4,5-TP)			2.00	2.62		ug/L		131	49 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*124*		*21 - 143*

Lab Sample ID: MB 480-692264/1-A
Matrix: Solid
Analysis Batch: 692618

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 692264

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		17	6.0	ug/Kg		11/16/23 12:56	11/20/23 07:59	1

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: MB 480-692264/1-A
Matrix: Solid
Analysis Batch: 692618

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 692264

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	89		28 - 129	11/16/23 12:56	11/20/23 07:59	1

Lab Sample ID: LCS 480-692264/2-A
Matrix: Solid
Analysis Batch: 692618

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 692264

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Silvex (2,4,5-TP)	65.4	60.1		ug/Kg		92	39 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid	94		28 - 129

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-691679/1-A
Matrix: Solid
Analysis Batch: 693470

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 691679

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.1	0.42	mg/Kg		11/13/23 14:26	11/27/23 22:28	1
Barium	ND		0.52	0.11	mg/Kg		11/13/23 14:26	11/27/23 22:28	1
Cadmium	0.0312	J	0.21	0.031	mg/Kg		11/13/23 14:26	11/27/23 22:28	1
Chromium	ND		0.52	0.21	mg/Kg		11/13/23 14:26	11/27/23 22:28	1
Lead	ND		1.0	0.25	mg/Kg		11/13/23 14:26	11/27/23 22:28	1
Selenium	ND		4.2	0.42	mg/Kg		11/13/23 14:26	11/27/23 22:28	1
Silver	ND		0.62	0.21	mg/Kg		11/13/23 14:26	11/27/23 22:28	1

Lab Sample ID: LCDSRM 480-691679/3-A
Matrix: Solid
Analysis Batch: 693470

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 691679

Analyte	Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	218	176.0		mg/Kg		80.8	57.8 - 110.1	1	20
Barium	388	342.8		mg/Kg		88.4	68.3 - 113.9	2	20
Cadmium	118	108.7		mg/Kg		92.1	67.0 - 111.9	3	20
Chromium	255	227.4		mg/Kg		89.2	63.5 - 118.4	3	20
Lead	155	159.8		mg/Kg		103.1	67.7 - 119.4	0	20
Selenium	107	98.16		mg/Kg		91.7	58.3 - 121.5	2	20
Silver	51.0	42.53		mg/Kg		83.4	64.7 - 120.8	0	20

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 480-691679/2-A
Matrix: Solid
Analysis Batch: 693470

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 691679

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	218	173.6		mg/Kg		79.6	57.8 - 110.1
Barium	388	335.0		mg/Kg		86.3	68.3 - 113.9
Cadmium	118	105.1		mg/Kg		89.1	67.0 - 111.9
Chromium	255	220.8		mg/Kg		86.6	63.5 - 118.4
Lead	155	159.6		mg/Kg		102.9	67.7 - 119.4
Selenium	107	96.05		mg/Kg		89.8	58.3 - 121.5
Silver	51.0	42.36		mg/Kg		83.1	64.7 - 120.8

Lab Sample ID: MB 480-691736/1-A
Matrix: Water
Analysis Batch: 692707

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 691736

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		11/14/23 08:42	11/18/23 14:37	1
Barium	ND		0.0020	0.00070	mg/L		11/14/23 08:42	11/18/23 14:37	1
Cadmium	ND		0.0020	0.00050	mg/L		11/14/23 08:42	11/18/23 14:37	1
Chromium	ND		0.0040	0.0010	mg/L		11/14/23 08:42	11/18/23 14:37	1
Lead	ND		0.010	0.0030	mg/L		11/14/23 08:42	11/18/23 14:37	1
Selenium	ND		0.025	0.0087	mg/L		11/14/23 08:42	11/18/23 14:37	1
Silver	ND		0.0060	0.0017	mg/L		11/14/23 08:42	11/18/23 14:37	1

Lab Sample ID: LCS 480-691736/2-A
Matrix: Water
Analysis Batch: 692707

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 691736

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.200	0.204		mg/L		102	80 - 120
Barium	0.200	0.208		mg/L		104	80 - 120
Cadmium	0.200	0.203		mg/L		102	80 - 120
Chromium	0.200	0.204		mg/L		102	80 - 120
Lead	0.200	0.204		mg/L		102	80 - 120
Selenium	0.200	0.194		mg/L		97	80 - 120
Silver	0.0500	0.0481		mg/L		96	80 - 120

Lab Sample ID: MB 480-691961/2-A
Matrix: Solid
Analysis Batch: 692217

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 691961

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		11/15/23 09:34	11/16/23 00:22	1
Barium	ND		1.0	0.10	mg/L		11/15/23 09:34	11/16/23 00:22	1
Cadmium	ND		0.0020	0.00050	mg/L		11/15/23 09:34	11/16/23 00:22	1
Chromium	ND		0.020	0.010	mg/L		11/15/23 09:34	11/16/23 00:22	1
Lead	ND		0.020	0.0030	mg/L		11/15/23 09:34	11/16/23 00:22	1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 480-691961/2-A
Matrix: Solid
Analysis Batch: 692217

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 691961

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.025	0.0087	mg/L		11/15/23 09:34	11/16/23 00:22	1
Silver	ND		0.0060	0.0017	mg/L		11/15/23 09:34	11/16/23 00:22	1

Lab Sample ID: LCS 480-691961/3-A
Matrix: Solid
Analysis Batch: 692217

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 691961

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	1.00	1.05		mg/L		105	80 - 120
Barium	1.00	1.08		mg/L		108	80 - 120
Cadmium	1.00	1.01		mg/L		101	80 - 120
Chromium	1.00	0.974		mg/L		97	80 - 120
Lead	1.00	0.912		mg/L		91	80 - 120
Selenium	1.00	1.04		mg/L		104	80 - 120
Silver	1.00	0.967		mg/L		97	80 - 120

Lab Sample ID: LB 480-691789/1-B
Matrix: Solid
Analysis Batch: 692217

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 691961

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		11/15/23 09:34	11/16/23 00:19	1
Barium	ND		1.0	0.10	mg/L		11/15/23 09:34	11/16/23 00:19	1
Cadmium	ND		0.0020	0.00050	mg/L		11/15/23 09:34	11/16/23 00:19	1
Chromium	ND		0.020	0.010	mg/L		11/15/23 09:34	11/16/23 00:19	1
Lead	0.00459	J	0.020	0.0030	mg/L		11/15/23 09:34	11/16/23 00:19	1
Selenium	ND		0.025	0.0087	mg/L		11/15/23 09:34	11/16/23 00:19	1
Silver	ND		0.0060	0.0017	mg/L		11/15/23 09:34	11/16/23 00:19	1

Method: 7470A - TCLP Mercury

Lab Sample ID: MB 480-692016/2-A
Matrix: Solid
Analysis Batch: 692093

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 692016

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		11/15/23 11:11	11/15/23 15:13	1

Lab Sample ID: LCS 480-692016/3-A
Matrix: Solid
Analysis Batch: 692093

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 692016

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00680	0.00601		mg/L		88	80 - 120

Method: 7470A - TCLP Mercury (Continued)

Lab Sample ID: LB 480-691789/1-F
Matrix: Solid
Analysis Batch: 692093

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 692016

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		11/15/23 11:11	11/15/23 15:11	1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-691675/1-A
Matrix: Water
Analysis Batch: 691754

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 691675

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		11/13/23 11:20	11/13/23 14:22	1

Lab Sample ID: LCS 480-691675/2-A
Matrix: Water
Analysis Batch: 691754

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 691675

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00669	0.00649		mg/L		97	80 - 120

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-691962/1-A
Matrix: Solid
Analysis Batch: 692070

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 691962

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.019	0.0044	mg/Kg		11/15/23 11:11	11/15/23 13:04	1

Lab Sample ID: LCSSRM 480-691962/2-A ^10
Matrix: Solid
Analysis Batch: 692070

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 691962

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	17.1	10.35		mg/Kg		60.5	36.0 - 109.9

Method: 1010A - Ignitability, Pensky-Martens Closed-Cup Method

Lab Sample ID: LCS 480-691618/1
Matrix: Solid
Analysis Batch: 691618

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Flashpoint	81.0	82.00		Degrees F		101	97.5 - 102.5

Method: 9012 - Cyanide, Reactive

Lab Sample ID: MB 480-691969/1-A
Matrix: Solid
Analysis Batch: 692112

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 691969

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10.0	10.0	mg/Kg		11/14/23 11:20	11/15/23 10:44	1

Lab Sample ID: LCS 480-691969/2-A
Matrix: Solid
Analysis Batch: 692112

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 691969

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Reactive			1000	563.8		mg/Kg		56	10 - 100		

Method: 9034 - Sulfide, Reactive

Lab Sample ID: MB 480-691972/1-A
Matrix: Solid
Analysis Batch: 692344

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 691972

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	ND		10.0	10.0	mg/Kg		11/14/23 11:20	11/16/23 10:15	1

Lab Sample ID: LCS 480-691972/2-A
Matrix: Solid
Analysis Batch: 692344

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 691972

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide, Reactive			700	500.9		mg/Kg		72	10 - 100		

Method: 9045D - pH

Lab Sample ID: LCS 480-692063/1
Matrix: Solid
Analysis Batch: 692063

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
pH			7.00	7.0		SU		100	99 - 101		

GC/MS VOA

Prep Batch: 691624

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-1	SOIL-AC EXCAVATION (1-2.5)	Total/NA	Solid	5035A_L	
MB 480-691624/3-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-691624/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

Analysis Batch: 691625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-1	SOIL-AC EXCAVATION (1-2.5)	Total/NA	Solid	8260C	691624
MB 480-691624/3-A	Method Blank	Total/NA	Solid	8260C	691624
LCS 480-691624/1-A	Lab Control Sample	Total/NA	Solid	8260C	691624

Leach Batch: 691790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-5	SOIL-AC EXCAVATION-WASTE CHAR	TCLP	Solid	1311	
LB 480-691790/1-A	Method Blank	TCLP	Solid	1311	

Analysis Batch: 691806

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-2	SOIL-AC EXCAVATION (0-1)	Total/NA	Solid	8260C	691839
MB 480-691839/1-A	Method Blank	Total/NA	Solid	8260C	691839
LCS 480-691839/2-A	Lab Control Sample	Total/NA	Solid	8260C	691839

Prep Batch: 691839

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-2	SOIL-AC EXCAVATION (0-1)	Total/NA	Solid	5035A_H	
MB 480-691839/1-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-691839/2-A	Lab Control Sample	Total/NA	Solid	5035A_H	

Analysis Batch: 691904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-3	WATER-AC EXCAVATION-110923	Total/NA	Water	8260C	
480-214763-4	TRIP BLANK	Total/NA	Water	8260C	
MB 480-691904/8	Method Blank	Total/NA	Water	8260C	
LCS 480-691904/6	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-691904/24	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 691946

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-5	SOIL-AC EXCAVATION-WASTE CHAR	TCLP	Solid	8260C	691790
LB 480-691790/1-A	Method Blank	TCLP	Solid	8260C	691790
MB 480-691946/8	Method Blank	Total/NA	Solid	8260C	
LCS 480-691946/6	Lab Control Sample	Total/NA	Solid	8260C	

GC/MS Semi VOA

Prep Batch: 691629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-1	SOIL-AC EXCAVATION (1-2.5)	Total/NA	Solid	3550C	
480-214763-2	SOIL-AC EXCAVATION (0-1)	Total/NA	Solid	3550C	
MB 480-691629/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-691629/2-A	Lab Control Sample	Total/NA	Solid	3550C	

QC Association Summary

Client: CHA Inc
Job ID: 480-214763-1
Project/Site: CHGE Danskammer - AC Excavation

GC/MS Semi VOA

Prep Batch: 691637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-3 - DL	WATER-AC EXCAVATION-110923	Total/NA	Water	3510C	
480-214763-3	WATER-AC EXCAVATION-110923	Total/NA	Water	3510C	
MB 480-691637/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-691637/2-A	Lab Control Sample	Total/NA	Water	3510C	

Leach Batch: 691789

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-5	SOIL-AC EXCAVATION-WASTE CHAR	TCLP	Solid	1311	
LB 480-691789/1-C	Method Blank	TCLP	Solid	1311	

Analysis Batch: 691811

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-1	SOIL-AC EXCAVATION (1-2.5)	Total/NA	Solid	8270D	691629
480-214763-2	SOIL-AC EXCAVATION (0-1)	Total/NA	Solid	8270D	691629
MB 480-691629/1-A	Method Blank	Total/NA	Solid	8270D	691629
LCS 480-691629/2-A	Lab Control Sample	Total/NA	Solid	8270D	691629

Analysis Batch: 691830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-3	WATER-AC EXCAVATION-110923	Total/NA	Water	8270D	691637

Prep Batch: 691973

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-5	SOIL-AC EXCAVATION-WASTE CHAR	TCLP	Solid	3510C	691789
LB 480-691789/1-C	Method Blank	TCLP	Solid	3510C	691789
MB 480-691973/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 480-691973/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 480-691973/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Analysis Batch: 691991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-3 - DL	WATER-AC EXCAVATION-110923	Total/NA	Water	8270D	691637
MB 480-691637/1-A	Method Blank	Total/NA	Water	8270D	691637
LCS 480-691637/2-A	Lab Control Sample	Total/NA	Water	8270D	691637

Analysis Batch: 692860

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-5	SOIL-AC EXCAVATION-WASTE CHAR	TCLP	Solid	8270D	691973
LB 480-691789/1-C	Method Blank	TCLP	Solid	8270D	691973
MB 480-691973/1-A	Method Blank	Total/NA	Solid	8270D	691973
LCS 480-691973/2-A	Lab Control Sample	Total/NA	Solid	8270D	691973
LCSD 480-691973/3-A	Lab Control Sample Dup	Total/NA	Solid	8270D	691973

GC Semi VOA

Prep Batch: 691548

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-3	WATER-AC EXCAVATION-110923	Total/NA	Water	8151A	
MB 480-691548/1-A	Method Blank	Total/NA	Water	8151A	
LCS 480-691548/2-A	Lab Control Sample	Total/NA	Water	8151A	

GC Semi VOA

Analysis Batch: 691617

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-3	WATER-AC EXCAVATION-110923	Total/NA	Water	8151A	691548
MB 480-691548/1-A	Method Blank	Total/NA	Water	8151A	691548
LCS 480-691548/2-A	Lab Control Sample	Total/NA	Water	8151A	691548

Prep Batch: 691622

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-3	WATER-AC EXCAVATION-110923	Total/NA	Water	3510C	
MB 480-691622/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-691622/2-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 691782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-3	WATER-AC EXCAVATION-110923	Total/NA	Water	8081B	691622
MB 480-691622/1-A	Method Blank	Total/NA	Water	8081B	691622
LCS 480-691622/2-A	Lab Control Sample	Total/NA	Water	8081B	691622

Leach Batch: 691789

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-5	SOIL-AC EXCAVATION-WASTE CHAR	TCLP	Solid	1311	
LB 480-691789/1-D	Method Blank	TCLP	Solid	1311	
LB 480-691789/1-E	Method Blank	TCLP	Solid	1311	

Prep Batch: 691795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-1	SOIL-AC EXCAVATION (1-2.5)	Total/NA	Solid	3550C	
480-214763-2	SOIL-AC EXCAVATION (0-1)	Total/NA	Solid	3550C	
480-214763-5	SOIL-AC EXCAVATION-WASTE CHAR	Total/NA	Solid	3550C	
MB 480-691795/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-691795/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Prep Batch: 691976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-5	SOIL-AC EXCAVATION-WASTE CHAR	TCLP	Solid	3510C	691789
LB 480-691789/1-D	Method Blank	TCLP	Solid	3510C	691789
MB 480-691976/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 480-691976/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 480-691976/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Prep Batch: 691981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-5	SOIL-AC EXCAVATION-WASTE CHAR	TCLP	Solid	8151A	691789
LB 480-691789/1-E	Method Blank	TCLP	Solid	8151A	691789
MB 480-691981/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 480-691981/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 480-691981/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	

Analysis Batch: 692026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-1	SOIL-AC EXCAVATION (1-2.5)	Total/NA	Solid	8082A	691795
480-214763-2	SOIL-AC EXCAVATION (0-1)	Total/NA	Solid	8082A	691795
480-214763-5	SOIL-AC EXCAVATION-WASTE CHAR	Total/NA	Solid	8082A	691795

GC Semi VOA (Continued)

Analysis Batch: 692026 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-691795/1-A	Method Blank	Total/NA	Solid	8082A	691795
LCS 480-691795/2-A	Lab Control Sample	Total/NA	Solid	8082A	691795

Prep Batch: 692151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-3	WATER-AC EXCAVATION-110923	Total/NA	Water	3510C	
MB 480-692151/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-692151/2-A	Lab Control Sample	Total/NA	Water	3510C	

Prep Batch: 692155

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-1	SOIL-AC EXCAVATION (1-2.5)	Total/NA	Solid	3550C	
480-214763-2	SOIL-AC EXCAVATION (0-1)	Total/NA	Solid	3550C	
MB 480-692155/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-692155/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 480-692155/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	

Analysis Batch: 692159

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-1	SOIL-AC EXCAVATION (1-2.5)	Total/NA	Solid	8081B	692155
480-214763-2	SOIL-AC EXCAVATION (0-1)	Total/NA	Solid	8081B	692155
480-214763-5	SOIL-AC EXCAVATION-WASTE CHAR	TCLP	Solid	8081B	691976
LB 480-691789/1-D	Method Blank	TCLP	Solid	8081B	691976
MB 480-691976/1-A	Method Blank	Total/NA	Solid	8081B	691976
MB 480-692155/1-A	Method Blank	Total/NA	Solid	8081B	692155
LCS 480-691976/2-A	Lab Control Sample	Total/NA	Solid	8081B	691976
LCS 480-692155/2-A	Lab Control Sample	Total/NA	Solid	8081B	692155
LCSD 480-691976/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	691976
LCSD 480-692155/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	692155

Analysis Batch: 692224

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-5	SOIL-AC EXCAVATION-WASTE CHAR	TCLP	Solid	8151	691981
LB 480-691789/1-E	Method Blank	TCLP	Solid	8151	691981
MB 480-691981/1-A	Method Blank	Total/NA	Solid	8151	691981
LCS 480-691981/2-A	Lab Control Sample	Total/NA	Solid	8151	691981
LCSD 480-691981/3-A	Lab Control Sample Dup	Total/NA	Solid	8151	691981

Prep Batch: 692264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-1	SOIL-AC EXCAVATION (1-2.5)	Total/NA	Solid	8151A	
480-214763-2	SOIL-AC EXCAVATION (0-1)	Total/NA	Solid	8151A	
MB 480-692264/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 480-692264/2-A	Lab Control Sample	Total/NA	Solid	8151A	

Analysis Batch: 692387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-3	WATER-AC EXCAVATION-110923	Total/NA	Water	8082A	692151
MB 480-692151/1-A	Method Blank	Total/NA	Water	8082A	692151
LCS 480-692151/2-A	Lab Control Sample	Total/NA	Water	8082A	692151

GC Semi VOA

Analysis Batch: 692618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-1	SOIL-AC EXCAVATION (1-2.5)	Total/NA	Solid	8151A	692264
480-214763-2	SOIL-AC EXCAVATION (0-1)	Total/NA	Solid	8151A	692264
MB 480-692264/1-A	Method Blank	Total/NA	Solid	8151A	692264
LCS 480-692264/2-A	Lab Control Sample	Total/NA	Solid	8151A	692264

Metals

Prep Batch: 691675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-3	WATER-AC EXCAVATION-110923	Total/NA	Water	7470A	
MB 480-691675/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-691675/2-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 691679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-1	SOIL-AC EXCAVATION (1-2.5)	Total/NA	Solid	3050B	
480-214763-2	SOIL-AC EXCAVATION (0-1)	Total/NA	Solid	3050B	
MB 480-691679/1-A	Method Blank	Total/NA	Solid	3050B	
LCDSRM 480-691679/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
LCSSRM 480-691679/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 691736

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-3	WATER-AC EXCAVATION-110923	Total/NA	Water	3005A	
MB 480-691736/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-691736/2-A	Lab Control Sample	Total/NA	Water	3005A	

Analysis Batch: 691754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-3	WATER-AC EXCAVATION-110923	Total/NA	Water	7470A	691675
MB 480-691675/1-A	Method Blank	Total/NA	Water	7470A	691675
LCS 480-691675/2-A	Lab Control Sample	Total/NA	Water	7470A	691675

Leach Batch: 691789

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-5	SOIL-AC EXCAVATION-WASTE CHAR	TCLP	Solid	1311	
LB 480-691789/1-B	Method Blank	TCLP	Solid	1311	
LB 480-691789/1-F	Method Blank	TCLP	Solid	1311	

Prep Batch: 691961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-5	SOIL-AC EXCAVATION-WASTE CHAR	TCLP	Solid	3010A	691789
LB 480-691789/1-B	Method Blank	TCLP	Solid	3010A	691789
MB 480-691961/2-A	Method Blank	Total/NA	Solid	3010A	
LCS 480-691961/3-A	Lab Control Sample	Total/NA	Solid	3010A	

Prep Batch: 691962

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-1	SOIL-AC EXCAVATION (1-2.5)	Total/NA	Solid	7471B	
480-214763-2	SOIL-AC EXCAVATION (0-1)	Total/NA	Solid	7471B	
MB 480-691962/1-A	Method Blank	Total/NA	Solid	7471B	

Metals (Continued)

Prep Batch: 691962 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSSRM 480-691962/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	

Prep Batch: 692016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-5	SOIL-AC EXCAVATION-WASTE CHAR	TCLP	Solid	7470A	691789
LB 480-691789/1-F	Method Blank	TCLP	Solid	7470A	691789
MB 480-692016/2-A	Method Blank	Total/NA	Solid	7470A	
LCS 480-692016/3-A	Lab Control Sample	Total/NA	Solid	7470A	

Analysis Batch: 692070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-1	SOIL-AC EXCAVATION (1-2.5)	Total/NA	Solid	7471B	691962
480-214763-2	SOIL-AC EXCAVATION (0-1)	Total/NA	Solid	7471B	691962
MB 480-691962/1-A	Method Blank	Total/NA	Solid	7471B	691962
LCSSRM 480-691962/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	691962

Analysis Batch: 692093

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-5	SOIL-AC EXCAVATION-WASTE CHAR	TCLP	Solid	7470A	692016
LB 480-691789/1-F	Method Blank	TCLP	Solid	7470A	692016
MB 480-692016/2-A	Method Blank	Total/NA	Solid	7470A	692016
LCS 480-692016/3-A	Lab Control Sample	Total/NA	Solid	7470A	692016

Analysis Batch: 692217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-5	SOIL-AC EXCAVATION-WASTE CHAR	TCLP	Solid	6010C	691961
LB 480-691789/1-B	Method Blank	TCLP	Solid	6010C	691961
MB 480-691961/2-A	Method Blank	Total/NA	Solid	6010C	691961
LCS 480-691961/3-A	Lab Control Sample	Total/NA	Solid	6010C	691961

Analysis Batch: 692707

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-3	WATER-AC EXCAVATION-110923	Total/NA	Water	6010C	691736
MB 480-691736/1-A	Method Blank	Total/NA	Water	6010C	691736
LCS 480-691736/2-A	Lab Control Sample	Total/NA	Water	6010C	691736

Analysis Batch: 693470

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-1	SOIL-AC EXCAVATION (1-2.5)	Total/NA	Solid	6010C	691679
480-214763-1	SOIL-AC EXCAVATION (1-2.5)	Total/NA	Solid	6010C	691679
480-214763-2	SOIL-AC EXCAVATION (0-1)	Total/NA	Solid	6010C	691679
MB 480-691679/1-A	Method Blank	Total/NA	Solid	6010C	691679
LCDSRM 480-691679/3-A	Lab Control Sample Dup	Total/NA	Solid	6010C	691679
LCSSRM 480-691679/2-A	Lab Control Sample	Total/NA	Solid	6010C	691679

Analysis Batch: 693655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-1	SOIL-AC EXCAVATION (1-2.5)	Total/NA	Solid	6010C	691679
480-214763-2	SOIL-AC EXCAVATION (0-1)	Total/NA	Solid	6010C	691679

General Chemistry

Analysis Batch: 691609

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-1	SOIL-AC EXCAVATION (1-2.5)	Total/NA	Solid	Moisture	
480-214763-2	SOIL-AC EXCAVATION (0-1)	Total/NA	Solid	Moisture	
480-214763-5	SOIL-AC EXCAVATION-WASTE CHAR	Total/NA	Solid	Moisture	

Analysis Batch: 691618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-5	SOIL-AC EXCAVATION-WASTE CHAR	Total/NA	Solid	1010A	
LCS 480-691618/1	Lab Control Sample	Total/NA	Solid	1010A	

Prep Batch: 691969

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-5	SOIL-AC EXCAVATION-WASTE CHAR	Total/NA	Solid	7.3.3	
MB 480-691969/1-A	Method Blank	Total/NA	Solid	7.3.3	
LCS 480-691969/2-A	Lab Control Sample	Total/NA	Solid	7.3.3	

Prep Batch: 691972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-5	SOIL-AC EXCAVATION-WASTE CHAR	Total/NA	Solid	7.3.4	
MB 480-691972/1-A	Method Blank	Total/NA	Solid	7.3.4	
LCS 480-691972/2-A	Lab Control Sample	Total/NA	Solid	7.3.4	

Analysis Batch: 692063

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-5	SOIL-AC EXCAVATION-WASTE CHAR	Total/NA	Solid	9045D	
LCS 480-692063/1	Lab Control Sample	Total/NA	Solid	9045D	

Analysis Batch: 692112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-5	SOIL-AC EXCAVATION-WASTE CHAR	Total/NA	Solid	9012	691969
MB 480-691969/1-A	Method Blank	Total/NA	Solid	9012	691969
LCS 480-691969/2-A	Lab Control Sample	Total/NA	Solid	9012	691969

Analysis Batch: 692344

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-5	SOIL-AC EXCAVATION-WASTE CHAR	Total/NA	Solid	9034	691972
MB 480-691972/1-A	Method Blank	Total/NA	Solid	9034	691972
LCS 480-691972/2-A	Lab Control Sample	Total/NA	Solid	9034	691972

Lab Chronicle

Client: CHA Inc
Job ID: 480-214763-1
Project/Site: CHGE Danskammer - AC Excavation

Client Sample ID: SOIL-AC EXCAVATION (1-2.5)
Lab Sample ID: 480-214763-1
Date Collected: 11/09/23 09:20
Matrix: Solid
Date Received: 11/10/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	691609	DSC	EET BUF	11/12/23 17:20

Client Sample ID: SOIL-AC EXCAVATION (1-2.5)
Lab Sample ID: 480-214763-1
Date Collected: 11/09/23 09:20
Matrix: Solid
Date Received: 11/10/23 09:00
Percent Solids: 89.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			691624	CDC	EET BUF	11/10/23 14:00
Total/NA	Analysis	8260C		1	691625	CDC	EET BUF	11/13/23 15:49
Total/NA	Prep	3550C			691629	ER	EET BUF	11/13/23 08:25
Total/NA	Analysis	8270D		1	691811	EMD	EET BUF	11/14/23 21:54
Total/NA	Prep	3550C			692155	VXF	EET BUF	11/16/23 07:21
Total/NA	Analysis	8081B		1	692159	JLS	EET BUF	11/16/23 14:26
Total/NA	Prep	3550C			691795	VXF	EET BUF	11/14/23 08:35
Total/NA	Analysis	8082A		1	692026	NC	EET BUF	11/15/23 15:24
Total/NA	Prep	8151A			692264	VXF	EET BUF	11/16/23 12:56
Total/NA	Analysis	8151A		1	692618	MAN	EET BUF	11/20/23 10:24
Total/NA	Prep	3050B			691679	ESB	EET BUF	11/13/23 14:26
Total/NA	Analysis	6010C		1	693655	BMB	EET BUF	11/29/23 13:09
Total/NA	Prep	3050B			691679	ESB	EET BUF	11/13/23 14:26
Total/NA	Analysis	6010C		1	693470	BMB	EET BUF	11/27/23 23:52
Total/NA	Prep	3050B			691679	ESB	EET BUF	11/13/23 14:26
Total/NA	Analysis	6010C		5	693470	BMB	EET BUF	11/28/23 00:00
Total/NA	Prep	7471B			691962	NVK	EET BUF	11/15/23 11:11
Total/NA	Analysis	7471B		1	692070	NVK	EET BUF	11/15/23 13:32

Client Sample ID: SOIL-AC EXCAVATION (0-1)
Lab Sample ID: 480-214763-2
Date Collected: 11/09/23 10:30
Matrix: Solid
Date Received: 11/10/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	691609	DSC	EET BUF	11/12/23 17:20

Client Sample ID: SOIL-AC EXCAVATION (0-1)
Lab Sample ID: 480-214763-2
Date Collected: 11/09/23 10:30
Matrix: Solid
Date Received: 11/10/23 09:00
Percent Solids: 81.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			691839	ATG	EET BUF	11/14/23 09:55
Total/NA	Analysis	8260C		1	691806	ATG	EET BUF	11/14/23 19:05
Total/NA	Prep	3550C			691629	ER	EET BUF	11/13/23 08:25
Total/NA	Analysis	8270D		10	691811	EMD	EET BUF	11/14/23 22:19
Total/NA	Prep	3550C			692155	VXF	EET BUF	11/16/23 07:21
Total/NA	Analysis	8081B		10	692159	JLS	EET BUF	11/16/23 14:46

Lab Chronicle

Client: CHA Inc
Job ID: 480-214763-1
Project/Site: CHGE Danskammer - AC Excavation

Client Sample ID: SOIL-AC EXCAVATION (0-1)
Lab Sample ID: 480-214763-2
Date Collected: 11/09/23 10:30
Matrix: Solid
Date Received: 11/10/23 09:00
Percent Solids: 81.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3550C			691795	VXF	EET BUF	11/14/23 08:35
Total/NA	Analysis	8082A		1	692026	NC	EET BUF	11/15/23 15:42
Total/NA	Prep	8151A			692264	VXF	EET BUF	11/16/23 12:56
Total/NA	Analysis	8151A		1	692618	MAN	EET BUF	11/20/23 10:43
Total/NA	Prep	3050B			691679	ESB	EET BUF	11/13/23 14:26
Total/NA	Analysis	6010C		1	693655	BMB	EET BUF	11/29/23 13:12
Total/NA	Prep	3050B			691679	ESB	EET BUF	11/13/23 14:26
Total/NA	Analysis	6010C		1	693470	BMB	EET BUF	11/27/23 23:56
Total/NA	Prep	7471B			691962	NVK	EET BUF	11/15/23 11:11
Total/NA	Analysis	7471B		1	692070	NVK	EET BUF	11/15/23 13:36

Client Sample ID: WATER-AC EXCAVATION-110923
Lab Sample ID: 480-214763-3
Date Collected: 11/09/23 10:15
Matrix: Water
Date Received: 11/10/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	691904	ATG	EET BUF	11/15/23 03:13
Total/NA	Prep	3510C			691637	JMP	EET BUF	11/13/23 08:51
Total/NA	Analysis	8270D		5	691830	JMM	EET BUF	11/15/23 04:23
Total/NA	Prep	3510C	DL		691637	JMP	EET BUF	11/13/23 08:51
Total/NA	Analysis	8270D	DL	100	691991	JMM	EET BUF	11/15/23 20:17
Total/NA	Prep	3510C			691622	SMP	EET BUF	11/13/23 07:17
Total/NA	Analysis	8081B		1	691782	JLS	EET BUF	11/14/23 12:56
Total/NA	Prep	3510C			692151	SMP	EET BUF	11/16/23 06:55
Total/NA	Analysis	8082A		1	692387	NC	EET BUF	11/17/23 15:16
Total/NA	Prep	8151A			691548	JMP	EET BUF	11/12/23 09:33
Total/NA	Analysis	8151A		1	691617	MAN	EET BUF	11/13/23 19:44
Total/NA	Prep	3005A			691736	ESB	EET BUF	11/14/23 08:42
Total/NA	Analysis	6010C		1	692707	BMB	EET BUF	11/18/23 16:18
Total/NA	Prep	7470A			691675	NVK	EET BUF	11/13/23 11:20
Total/NA	Analysis	7470A		1	691754	NVK	EET BUF	11/13/23 15:34

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-214763-4
Date Collected: 11/09/23 00:00
Matrix: Water
Date Received: 11/10/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	691904	ATG	EET BUF	11/15/23 03:37

Lab Chronicle

Client: CHA Inc
Job ID: 480-214763-1
Project/Site: CHGE Danskammer - AC Excavation

Client Sample ID: SOIL-AC EXCAVATION-WASTE CHAR
Lab Sample ID: 480-214763-5
Date Collected: 11/09/23 11:20
Matrix: Solid
Date Received: 11/10/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			691790	SMP	EET BUF	11/14/23 07:23 - 11/15/23 08:37 [1]
TCLP	Analysis	8260C		10	691946	CR	EET BUF	11/15/23 14:13
TCLP	Leach	1311			691789	SMP	EET BUF	11/14/23 07:20 - 11/15/23 08:11 [1]
TCLP	Prep	3510C			691973	JMP	EET BUF	11/15/23 09:28
TCLP	Analysis	8270D		1	692860	RJS	EET BUF	11/22/23 05:16
TCLP	Leach	1311			691789	SMP	EET BUF	11/14/23 07:20 - 11/15/23 08:11 [1]
TCLP	Prep	3510C			691976	JMP	EET BUF	11/15/23 09:33
TCLP	Analysis	8081B		1	692159	JLS	EET BUF	11/16/23 11:49
TCLP	Leach	1311			691789	SMP	EET BUF	11/14/23 07:20 - 11/15/23 08:11 [1]
TCLP	Prep	8151A			691981	JMP	EET BUF	11/15/23 09:38
TCLP	Analysis	8151		1	692224	MAN	EET BUF	11/16/23 14:16
TCLP	Leach	1311			691789	SMP	EET BUF	11/14/23 07:20 - 11/15/23 08:11 [1]
TCLP	Prep	3010A			691961	MP	EET BUF	11/15/23 09:34
TCLP	Analysis	6010C		1	692217	BMB	EET BUF	11/16/23 00:42
TCLP	Leach	1311			691789	SMP	EET BUF	11/14/23 07:20 - 11/15/23 08:11 [1]
TCLP	Prep	7470A			692016	NVK	EET BUF	11/15/23 11:11
TCLP	Analysis	7470A		1	692093	NVK	EET BUF	11/15/23 15:16
Total/NA	Analysis	1010A		1	691618	KM	EET BUF	11/13/23 07:00
Total/NA	Prep	7.3.3			691969	AM	EET BUF	11/14/23 11:20
Total/NA	Analysis	9012		1	692112	AM	EET BUF	11/15/23 11:14
Total/NA	Prep	7.3.4			691972	AM	EET BUF	11/14/23 11:20
Total/NA	Analysis	9034		1	692344	AM	EET BUF	11/16/23 10:15
Total/NA	Analysis	9045D		1	692063	KB	EET BUF	11/14/23 19:28
Total/NA	Analysis	Moisture		1	691609	DSC	EET BUF	11/12/23 17:20

Client Sample ID: SOIL-AC EXCAVATION-WASTE CHAR
Lab Sample ID: 480-214763-5
Date Collected: 11/09/23 11:20
Matrix: Solid
Date Received: 11/10/23 09:00
Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3550C			691795	VXF	EET BUF	11/14/23 08:35
Total/NA	Analysis	8082A		1	692026	NC	EET BUF	11/15/23 16:00

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: CHA Inc
Job ID: 480-214763-1
Project/Site: CHGE Danskammer - AC Excavation

Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-24

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
7470A	7470A	Solid	Mercury
9012	7.3.3	Solid	Cyanide, Reactive
9034	7.3.4	Solid	Sulfide, Reactive
9045D		Solid	Temperature
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: CHA Inc
Job ID: 480-214763-1
Project/Site: CHGE Danskammer - AC Excavation

Method	Method Description	Protocol	Laboratory
8260C	TCLP Volatiles	SW846	EET BUF
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET BUF
8081B	Organochlorine Pesticides (GC)	SW846	EET BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET BUF
8151	TCLP Herbicides	SW846	EET BUF
8151A	Herbicides (GC)	SW846	EET BUF
6010C	Metals (ICP)	SW846	EET BUF
7470A	Mercury (CVAA)	SW846	EET BUF
7470A	TCLP Mercury	SW846	EET BUF
7471B	Mercury (CVAA)	SW846	EET BUF
1010A	Ignitability, Pensky-Martens Closed-Cup Method	SW846	EET BUF
9012	Cyanide, Reactive	SW846	EET BUF
9034	Sulfide, Reactive	SW846	EET BUF
9045D	pH	SW846	EET BUF
Moisture	Percent Moisture	EPA	EET BUF
1311	TCLP Extraction	SW846	EET BUF
3005A	Preparation, Total Metals	SW846	EET BUF
3010A	Preparation, Total Metals	SW846	EET BUF
3050B	Preparation, Metals	SW846	EET BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET BUF
3550C	Ultrasonic Extraction	SW846	EET BUF
5030C	Purge and Trap	SW846	EET BUF
5035A_H	Closed System Purge and Trap	SW846	EET BUF
5035A_L	Closed System Purge and Trap	SW846	EET BUF
7.3.3	Cyanide, Reactive	SW846	EET BUF
7.3.4	Sulfide, Reactive	SW846	EET BUF
7470A	Preparation, Mercury	SW846	EET BUF
7471B	Preparation, Mercury	SW846	EET BUF
8151A	Extraction (Herbicides)	SW846	EET BUF

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 BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: CHA Inc
Job ID: 480-214763-1
Project/Site: CHGE Danskammer - AC Excavation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-214763-1	SOIL-AC EXCAVATION (1-2.5)	Solid	11/09/23 09:20	11/10/23 09:00
480-214763-2	SOIL-AC EXCAVATION (0-1)	Solid	11/09/23 10:30	11/10/23 09:00
480-214763-3	WATER-AC EXCAVATION-110923	Water	11/09/23 10:15	11/10/23 09:00
480-214763-4	TRIP BLANK	Water	11/09/23 00:00	11/10/23 09:00
480-214763-5	SOIL-AC EXCAVATION-WASTE CHAR	Solid	11/09/23 11:20	11/10/23 09:00

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

Albany #224

eurofins | Environment Testing

Client Information	Sampler: John Favreau	Lab PM: Beninati, John	Carrier Tracking No(s):	COC No: 480-190226-40035.1
Client Contact: Ms. Julia Craner	Phone: (518) 453-8795	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin: NY	Page: Page 1 of 2
Company: CHA Inc	PWSID:			Job #:
Address: 3 Winners Circle PO BOX 5269	Due Date Requested:			
City: Albany	TAT Requested (days): STANDARD			
State, Zip: NY, 12205-0269	Compliance Project: Δ Yes Δ No			
Phone: 845-325-2329(Tel)	PO #: Purchase Order not required			
Email: jcraner@chacompanies.com (chasolutions.com)	WO #:			
Project Name: CHGE Danskammer	Project #: 48027090			
Site: AC EXCAVATION	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	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)	8260C - TCL VOCs (LL TC)	6010C, 7471B	8081B, 8082A, 8151A, 8270D	1633_B24 - 1633 B24 Standard List	8082A - TCL PCBs	8270D - TCL SVOCs + 1,4-Dioxane	6010C, 7470A	8260C - TCL VOCs	8081B - (MOD) TCL Pesticides	8151A - Herbicides	8260C - TCLP Volatiles	6010C, 7470A, 8081B, 8151A, 8270D (TCLP)	1010A, 9045D	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N	D	A	N	N	N	N	N		
SOIL-AC EXCAVATION (1'-2.5')	11/9/23	09:20	G	Solid			✓	✓	✓	✓											
SOIL-AC EXCAVATION (0-1')	11/9/23	10:30	G	Solid			✓	✓	✓	✓											
WATER-AC EXCAVATION-110923	11/9/23	10:15	G	Water						✓	✓	✓	✓	✓	✓	✓					
TRIP BLANK	11/9/23	—	G	Water										✓							
SOIL-AC EXCAVATION-WASTE CHAR.	11/9/23	11:20	C	Solid													✓	✓	✓		

John Favreau

480-214763 Chain of Custody

Possible Hazard Identification
✓ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	John R. Favreau	11/9/23 16:50	CHA		11-9-23 1650	EETH
2		11-9-23 1700	EETH		11/10/23 900	TA
3		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: 1.6 21720 # 1 ICE

Ver: 06/08/2021

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

Albany #224

eurofins | Environment Testing

Client Information	Sampler: JOHN FAVREAU	Lab PM: Beninati, John	Carrier Tracking No(s):	COC No: 480-190226-40035.2
Client Contact: Ms. Julia Craner	Phone: (518) 453-8795	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin: NY	Page: Page 2 of 2
Company: CHA Inc	PWSID:			Job #:
Address: 3 Winners Circle PO BOX 5269	Due Date Requested:			
City: Albany	TAT Requested (days): STANDARD			
State, Zip: NY, 12205-0269	Compliance Project: Δ Yes Δ No			
Phone: 845-325-2329(Tel)	PO #: Purchase Order not required			
Email: jcraner@chacompanies.com chasolutions.com	WO #:			
Project Name: CHGE Danskammer	Project #: 48027090			
Site: AC EXCAVATION	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	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)	9012_ReactiveCN, 9034_Reactive	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
SOIL - AC EXCAVATION (1'-2.5')	11/9/23	09:20	G	Solid					
SOIL - AC EXCAVATION (0-1')	11/9/23	10:30	G	Solid					
WATER - AC EXCAVATION - 110923	11/9/23	10:15	G	Water					
TRIP BLANK	11/9/23	—	G	Water					
SOIL - AC EXCAVATION - WASTE CHAR.	11/9/23	11:20	C	Solid			✓		

John Favreau

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: John L. Favreau	Date/Time: 11/9/23 16:50	Company: CHA	Received by:	Date/Time: 11-9-23 1650	Company: EEL
Relinquished by:	Date/Time: 11-9-23 1700	Company: EEL	Received by:	Date/Time: 11/10/23 900	Company: TA
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:

Ver: 06/08/2021

11/30/2023

Login Sample Receipt Checklist

Client: CHA Inc

Job Number: 480-214763-1

Login Number: 214763
List Number: 1
Creator: Wallace, Cameron

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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 sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	FREEZE TIME 11/10/23 1400
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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Julia Craner
CHA Inc
3 Winners Circle
PO BOX 5269
Albany, New York 12205-0269

Generated 12/22/2023 1:07:27 PM

JOB DESCRIPTION

CHGE Danskammer - AC Excavation

JOB NUMBER

480-214763-2

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

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.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization

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Definitions/Glossary

Client: CHA Inc
Job ID: 480-214763-2
Project/Site: CHGE Danskammer - AC Excavation

Qualifiers

LCMS

Qualifier	Qualifier Description
*5+	Isotope dilution analyte is outside acceptance limits, high biased.
I	Value is EMPC (estimated maximum possible concentration).
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
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: 480-214763-2 Eurofins Buffalo

Job Narrative
480-214763-2

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

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

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

Receipt
The samples were received on 11/10/2023 9:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 1.6º C, 2.0º C and 2.7º C.

LCMS
Method 1633: Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following sample: SOIL-AC EXCAVATION (0-1) (480-214763-2). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries. The sample was non-detect for the affected analyte; therefore, the data have been reported.

Method 1633: The "I" qualifier means the transition mass ratio for the indicated analytes were outside of the established ratio limits. The qualitative identification of the analytes have some degree of uncertainty. However, analyst judgment was used to positively identify the analyte. The affected sample is SOIL-AC EXCAVATION (0-1) (480-214763-2) in analytical batch 280-638010.

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

Organic Prep
Method 1633: In preparation batch 280-635728, the following sample was diluted due to the nature of the sample matrix: WATER-AC EXCAVATION-110923 (480-214763-3) (10x). Elevated reporting limits (RLs) are provided. Because the sample was extracted at a dilution, the original sample container could not be rinsed. Method 1633_SPE/1633_B24.

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

Detection Summary

Client: CHA Inc
Job ID: 480-214763-2
Project/Site: CHGE Danskammer - AC Excavation

Client Sample ID: SOIL-AC EXCAVATION (1-2.5) — Lab Sample ID: 480-214763-1

No Detections.

Client Sample ID: SOIL-AC EXCAVATION (0-1) — Lab Sample ID: 480-214763-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	0.081	J	0.91	0.042	ug/Kg	1	☼	Draft 1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.053	J I	0.23	0.025	ug/Kg	1	☼	Draft 1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.093	J	0.23	0.048	ug/Kg	1	☼	Draft 1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.17	J	0.23	0.085	ug/Kg	1	☼	Draft 1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.12	J	0.23	0.032	ug/Kg	1	☼	Draft 1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.15	J	0.23	0.064	ug/Kg	1	☼	Draft 1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.27		0.23	0.064	ug/Kg	1	☼	Draft 1633	Total/NA

Client Sample ID: WATER-AC EXCAVATION-110923 — Lab Sample ID: 480-214763-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	25	J	80	20	ng/L	1		Draft 1633	Total/NA
Perfluoropentanoic acid (PFPeA)	19	J	40	9.9	ng/L	1		Draft 1633	Total/NA
Perfluorohexanoic acid (PFHxA)	12	J	20	5.0	ng/L	1		Draft 1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	8.9	J	20	5.2	ng/L	1		Draft 1633	Total/NA
Perfluorooctanoic acid (PFOA)	12	J	20	6.4	ng/L	1		Draft 1633	Total/NA
Perfluorononanoic acid (PFNA)	6.3	J	20	5.0	ng/L	1		Draft 1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	6.4	J	20	5.0	ng/L	1		Draft 1633	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SOIL-AC EXCAVATION (1-2.5)
Lab Sample ID: 480-214763-1

Date Collected: 11/09/23 09:20
Matrix: Solid
Date Received: 11/10/23 09:00
Percent Solids: 89.2

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.82	0.038	ug/Kg	☼	12/18/23 09:37	12/21/23 04:04	1
Perfluoropentanoic acid (PFPeA)	ND		0.41	0.021	ug/Kg	☼	12/18/23 09:37	12/21/23 04:04	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.021	ug/Kg	☼	12/18/23 09:37	12/21/23 04:04	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.022	ug/Kg	☼	12/18/23 09:37	12/21/23 04:04	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.043	ug/Kg	☼	12/18/23 09:37	12/21/23 04:04	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.012	ug/Kg	☼	12/18/23 09:37	12/21/23 04:04	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.076	ug/Kg	☼	12/18/23 09:37	12/21/23 04:04	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.029	ug/Kg	☼	12/18/23 09:37	12/21/23 04:04	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.057	ug/Kg	☼	12/18/23 09:37	12/21/23 04:04	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.029	ug/Kg	☼	12/18/23 09:37	12/21/23 04:04	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.20	0.017	ug/Kg	☼	12/18/23 09:37	12/21/23 04:04	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.014	ug/Kg	☼	12/18/23 09:37	12/21/23 04:04	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.013	ug/Kg	☼	12/18/23 09:37	12/21/23 04:04	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.020	ug/Kg	☼	12/18/23 09:37	12/21/23 04:04	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.029	ug/Kg	☼	12/18/23 09:37	12/21/23 04:04	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.057	ug/Kg	☼	12/18/23 09:37	12/21/23 04:04	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.029	ug/Kg	☼	12/18/23 09:37	12/21/23 04:04	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.020	ug/Kg	☼	12/18/23 09:37	12/21/23 04:04	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.017	ug/Kg	☼	12/18/23 09:37	12/21/23 04:04	1
4:2 FTS	ND		0.82	0.078	ug/Kg	☼	12/18/23 09:37	12/21/23 04:04	1
6:2 FTS	ND		0.82	0.49	ug/Kg	☼	12/18/23 09:37	12/21/23 04:04	1
8:2 FTS	ND		0.82	0.12	ug/Kg	☼	12/18/23 09:37	12/21/23 04:04	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.012	ug/Kg	☼	12/18/23 09:37	12/21/23 04:04	1
NMeFOSA	ND		0.20	0.024	ug/Kg	☼	12/18/23 09:37	12/21/23 04:04	1
NEtFOSA	ND		0.20	0.032	ug/Kg	☼	12/18/23 09:37	12/21/23 04:04	1
NMeFOSAA	ND		0.20	0.025	ug/Kg	☼	12/18/23 09:37	12/21/23 04:04	1
NEtFOSAA	ND		0.20	0.024	ug/Kg	☼	12/18/23 09:37	12/21/23 04:04	1
NMeFOSE	ND		2.0	0.10	ug/Kg	☼	12/18/23 09:37	12/21/23 04:04	1
NEtFOSE	ND		2.0	0.11	ug/Kg	☼	12/18/23 09:37	12/21/23 04:04	1
HFPO-DA (GenX)	ND		0.82	0.096	ug/Kg	☼	12/18/23 09:37	12/21/23 04:04	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.82	0.083	ug/Kg	☼	12/18/23 09:37	12/21/23 04:04	1
PFMBA	ND		0.41	0.019	ug/Kg	☼	12/18/23 09:37	12/21/23 04:04	1
NFDHA	ND		0.41	0.049	ug/Kg	☼	12/18/23 09:37	12/21/23 04:04	1
PFMPA	ND		0.41	0.093	ug/Kg	☼	12/18/23 09:37	12/21/23 04:04	1
9Cl-PF3ONS	ND		0.82	0.052	ug/Kg	☼	12/18/23 09:37	12/21/23 04:04	1
11Cl-PF3OUdS	ND		0.82	0.12	ug/Kg	☼	12/18/23 09:37	12/21/23 04:04	1
PFEESA	ND		0.41	0.041	ug/Kg	☼	12/18/23 09:37	12/21/23 04:04	1
3:3 FTCA	ND		1.0	0.18	ug/Kg	☼	12/18/23 09:37	12/21/23 04:04	1
5:3 FTCA	ND		5.1	0.37	ug/Kg	☼	12/18/23 09:37	12/21/23 04:04	1
7:3 FTCA	ND		5.1	0.31	ug/Kg	☼	12/18/23 09:37	12/21/23 04:04	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*50*		*20 - 150*	*12/18/23 09:37*	*12/21/23 04:04*	*1*
13C5 PFPeA	*95*		*20 - 150*	*12/18/23 09:37*	*12/21/23 04:04*	*1*
13C5 PFHxA	*91*		*20 - 150*	*12/18/23 09:37*	*12/21/23 04:04*	*1*
13C4 PFHpA	*87*		*20 - 150*	*12/18/23 09:37*	*12/21/23 04:04*	*1*
13C8 PFOA	*90*		*20 - 150*	*12/18/23 09:37*	*12/21/23 04:04*	*1*

Client Sample ID: SOIL-AC EXCAVATION (1-2.5)
Lab Sample ID: 480-214763-1

Date Collected: 11/09/23 09:20
Matrix: Solid
Date Received: 11/10/23 09:00
Percent Solids: 89.2

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C9 PFNA	93		20 - 150	12/18/23 09:37	12/21/23 04:04	1
13C6 PFDA	92		20 - 150	12/18/23 09:37	12/21/23 04:04	1
13C7 PFUnA	87		20 - 150	12/18/23 09:37	12/21/23 04:04	1
13C2 PFDoA	83		20 - 150	12/18/23 09:37	12/21/23 04:04	1
13C2 PFTeDA	77		20 - 150	12/18/23 09:37	12/21/23 04:04	1
13C3 PFBS	80		20 - 150	12/18/23 09:37	12/21/23 04:04	1
13C3 PFHxS	86		20 - 150	12/18/23 09:37	12/21/23 04:04	1
13C8 PFOS	104		20 - 150	12/18/23 09:37	12/21/23 04:04	1
13C8 FOSA	95		20 - 150	12/18/23 09:37	12/21/23 04:04	1
d3-NMeFOSAA	84		20 - 150	12/18/23 09:37	12/21/23 04:04	1
d5-NEtFOSAA	79		20 - 150	12/18/23 09:37	12/21/23 04:04	1
M2-4:2 FTS	85		20 - 150	12/18/23 09:37	12/21/23 04:04	1
M2-6:2 FTS	91		20 - 150	12/18/23 09:37	12/21/23 04:04	1
M2-8:2 FTS	104		20 - 150	12/18/23 09:37	12/21/23 04:04	1
13C3 HFPO-DA	104		20 - 150	12/18/23 09:37	12/21/23 04:04	1
d7-N-MeFOSE-M	69		20 - 150	12/18/23 09:37	12/21/23 04:04	1
d9-N-EtFOSE-M	70		20 - 150	12/18/23 09:37	12/21/23 04:04	1
d5-NEtPFOSA	77		20 - 150	12/18/23 09:37	12/21/23 04:04	1
d3-NMePFOSA	80		20 - 150	12/18/23 09:37	12/21/23 04:04	1

Client Sample ID: SOIL-AC EXCAVATION (0-1)
Lab Sample ID: 480-214763-2

Date Collected: 11/09/23 10:30
Matrix: Solid
Date Received: 11/10/23 09:00
Percent Solids: 81.4

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.081**	**J**	0.91	0.042	ug/Kg	☼	12/18/23 09:37	12/21/23 05:02	1
Perfluoropentanoic acid (PFPeA)	ND		0.45	0.024	ug/Kg	☼	12/18/23 09:37	12/21/23 05:02	1
Perfluorohexanoic acid (PFHxA)	ND		0.23	0.024	ug/Kg	☼	12/18/23 09:37	12/21/23 05:02	1
Perfluoroheptanoic acid (PFHpA)	**0.053**	**J I**	0.23	0.025	ug/Kg	☼	12/18/23 09:37	12/21/23 05:02	1
Perfluorooctanoic acid (PFOA)	**0.093**	**J**	0.23	0.048	ug/Kg	☼	12/18/23 09:37	12/21/23 05:02	1
Perfluorononanoic acid (PFNA)	ND		0.23	0.014	ug/Kg	☼	12/18/23 09:37	12/21/23 05:02	1
Perfluorodecanoic acid (PFDA)	**0.17**	**J**	0.23	0.085	ug/Kg	☼	12/18/23 09:37	12/21/23 05:02	1
Perfluoroundecanoic acid (PFUnA)	**0.12**	**J**	0.23	0.032	ug/Kg	☼	12/18/23 09:37	12/21/23 05:02	1
Perfluorododecanoic acid (PFDoA)	**0.15**	**J**	0.23	0.064	ug/Kg	☼	12/18/23 09:37	12/21/23 05:02	1
Perfluorotridecanoic acid (PFTriA)	ND		0.23	0.032	ug/Kg	☼	12/18/23 09:37	12/21/23 05:02	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.23	0.019	ug/Kg	☼	12/18/23 09:37	12/21/23 05:02	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.23	0.016	ug/Kg	☼	12/18/23 09:37	12/21/23 05:02	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.23	0.015	ug/Kg	☼	12/18/23 09:37	12/21/23 05:02	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.23	0.023	ug/Kg	☼	12/18/23 09:37	12/21/23 05:02	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.23	0.032	ug/Kg	☼	12/18/23 09:37	12/21/23 05:02	1
Perfluorooctanesulfonic acid (PFOS)	**0.27**		0.23	0.064	ug/Kg	☼	12/18/23 09:37	12/21/23 05:02	1
Perfluorononanesulfonic acid (PFNS)	ND		0.23	0.032	ug/Kg	☼	12/18/23 09:37	12/21/23 05:02	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.23	0.023	ug/Kg	☼	12/18/23 09:37	12/21/23 05:02	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.23	0.019	ug/Kg	☼	12/18/23 09:37	12/21/23 05:02	1

Client Sample ID: SOIL-AC EXCAVATION (0-1)
Lab Sample ID: 480-214763-2
Date Collected: 11/09/23 10:30
Matrix: Solid
Date Received: 11/10/23 09:00
Percent Solids: 81.4

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4:2 FTS	ND		0.91	0.088	ug/Kg	☼	12/18/23 09:37	12/21/23 05:02	1
6:2 FTS	ND		0.91	0.55	ug/Kg	☼	12/18/23 09:37	12/21/23 05:02	1
8:2 FTS	ND		0.91	0.13	ug/Kg	☼	12/18/23 09:37	12/21/23 05:02	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.23	0.014	ug/Kg	☼	12/18/23 09:37	12/21/23 05:02	1
NMeFOSA	ND		0.23	0.027	ug/Kg	☼	12/18/23 09:37	12/21/23 05:02	1
NEtFOSA	ND		0.23	0.035	ug/Kg	☼	12/18/23 09:37	12/21/23 05:02	1
NMeFOSAA	ND		0.23	0.028	ug/Kg	☼	12/18/23 09:37	12/21/23 05:02	1
NEtFOSAA	ND		0.23	0.027	ug/Kg	☼	12/18/23 09:37	12/21/23 05:02	1
NMeFOSE	ND		2.3	0.11	ug/Kg	☼	12/18/23 09:37	12/21/23 05:02	1
NEtFOSE	ND		2.3	0.13	ug/Kg	☼	12/18/23 09:37	12/21/23 05:02	1
HFPO-DA (GenX)	ND		0.91	0.11	ug/Kg	☼	12/18/23 09:37	12/21/23 05:02	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.91	0.092	ug/Kg	☼	12/18/23 09:37	12/21/23 05:02	1
PFMBA	ND		0.45	0.022	ug/Kg	☼	12/18/23 09:37	12/21/23 05:02	1
NFDHA	ND		0.45	0.055	ug/Kg	☼	12/18/23 09:37	12/21/23 05:02	1
PFMPA	ND		0.45	0.10	ug/Kg	☼	12/18/23 09:37	12/21/23 05:02	1
9Cl-PF3ONS	ND		0.91	0.058	ug/Kg	☼	12/18/23 09:37	12/21/23 05:02	1
11Cl-PF3OUdS	ND		0.91	0.14	ug/Kg	☼	12/18/23 09:37	12/21/23 05:02	1
PFEESA	ND		0.45	0.045	ug/Kg	☼	12/18/23 09:37	12/21/23 05:02	1
3:3 FTCA	ND		1.1	0.20	ug/Kg	☼	12/18/23 09:37	12/21/23 05:02	1
5:3 FTCA	ND		5.7	0.42	ug/Kg	☼	12/18/23 09:37	12/21/23 05:02	1
7:3 FTCA	ND		5.7	0.35	ug/Kg	☼	12/18/23 09:37	12/21/23 05:02	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*80*		*20 - 150*	*12/18/23 09:37*	*12/21/23 05:02*	*1*
13C5 PFPeA	*101*		*20 - 150*	*12/18/23 09:37*	*12/21/23 05:02*	*1*
13C5 PFHxA	*91*		*20 - 150*	*12/18/23 09:37*	*12/21/23 05:02*	*1*
13C4 PFHpA	*101*		*20 - 150*	*12/18/23 09:37*	*12/21/23 05:02*	*1*
13C8 PFOA	*90*		*20 - 150*	*12/18/23 09:37*	*12/21/23 05:02*	*1*
13C9 PFNA	*88*		*20 - 150*	*12/18/23 09:37*	*12/21/23 05:02*	*1*
13C6 PFDA	*86*		*20 - 150*	*12/18/23 09:37*	*12/21/23 05:02*	*1*
13C7 PFUnA	*83*		*20 - 150*	*12/18/23 09:37*	*12/21/23 05:02*	*1*
13C2 PFDoA	*78*		*20 - 150*	*12/18/23 09:37*	*12/21/23 05:02*	*1*
13C2 PFTeDA	*62*		*20 - 150*	*12/18/23 09:37*	*12/21/23 05:02*	*1*
13C3 PFBS	*83*		*20 - 150*	*12/18/23 09:37*	*12/21/23 05:02*	*1*
13C3 PFHxS	*83*		*20 - 150*	*12/18/23 09:37*	*12/21/23 05:02*	*1*
13C8 PFOS	*81*		*20 - 150*	*12/18/23 09:37*	*12/21/23 05:02*	*1*
13C8 FOSA	*104*		*20 - 150*	*12/18/23 09:37*	*12/21/23 05:02*	*1*
d3-NMeFOSAA	*103*		*20 - 150*	*12/18/23 09:37*	*12/21/23 05:02*	*1*
d5-NEtFOSAA	*100*		*20 - 150*	*12/18/23 09:37*	*12/21/23 05:02*	*1*
M2-4:2 FTS	*108*		*20 - 150*	*12/18/23 09:37*	*12/21/23 05:02*	*1*
M2-6:2 FTS	*130*		*20 - 150*	*12/18/23 09:37*	*12/21/23 05:02*	*1*
M2-8:2 FTS	*161*	**5+*	*20 - 150*	*12/18/23 09:37*	*12/21/23 05:02*	*1*
13C3 HFPO-DA	*101*		*20 - 150*	*12/18/23 09:37*	*12/21/23 05:02*	*1*
d7-N-MeFOSE-M	*67*		*20 - 150*	*12/18/23 09:37*	*12/21/23 05:02*	*1*
d9-N-EtFOSE-M	*67*		*20 - 150*	*12/18/23 09:37*	*12/21/23 05:02*	*1*
d5-NEtPFOSA	*72*		*20 - 150*	*12/18/23 09:37*	*12/21/23 05:02*	*1*
d3-NMePFOSA	*76*		*20 - 150*	*12/18/23 09:37*	*12/21/23 05:02*	*1*

Client Sample ID: WATER-AC EXCAVATION-110923
Lab Sample ID: 480-214763-3
Date Collected: 11/09/23 10:15
Matrix: Water
Date Received: 11/10/23 09:00

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**25**	**J**	80	20	ng/L		12/01/23 08:27	12/04/23 23:40	1
Perfluoropentanoic acid (PFPeA)	**19**	**J**	40	9.9	ng/L		12/01/23 08:27	12/04/23 23:40	1
Perfluorohexanoic acid (PFHxA)	**12**	**J**	20	5.0	ng/L		12/01/23 08:27	12/04/23 23:40	1
Perfluoroheptanoic acid (PFHpA)	**8.9**	**J**	20	5.2	ng/L		12/01/23 08:27	12/04/23 23:40	1
Perfluorooctanoic acid (PFOA)	**12**	**J**	20	6.4	ng/L		12/01/23 08:27	12/04/23 23:40	1
Perfluorononanoic acid (PFNA)	**6.3**	**J**	20	5.0	ng/L		12/01/23 08:27	12/04/23 23:40	1
Perfluorodecanoic acid (PFDA)	ND		20	5.0	ng/L		12/01/23 08:27	12/04/23 23:40	1
Perfluoroundecanoic acid (PFUnA)	**6.4**	**J**	20	5.0	ng/L		12/01/23 08:27	12/04/23 23:40	1
Perfluorododecanoic acid (PFDoA)	ND		20	5.0	ng/L		12/01/23 08:27	12/04/23 23:40	1
Perfluorotridecanoic acid (PFTriA)	ND		20	5.0	ng/L		12/01/23 08:27	12/04/23 23:40	1
Perfluorotetradecanoic acid (PFTeDA)	ND		20	5.0	ng/L		12/01/23 08:27	12/04/23 23:40	1
Perfluorobutanesulfonic acid (PFBS)	ND		20	3.0	ng/L		12/01/23 08:27	12/04/23 23:40	1
Perfluoropentanesulfonic acid (PFPeS)	ND		20	5.0	ng/L		12/01/23 08:27	12/04/23 23:40	1
Perfluorohexanesulfonic acid (PFHxS)	ND		20	5.7	ng/L		12/01/23 08:27	12/04/23 23:40	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		20	4.0	ng/L		12/01/23 08:27	12/04/23 23:40	1
Perfluorooctanesulfonic acid (PFOS)	ND		20	5.0	ng/L		12/01/23 08:27	12/04/23 23:40	1
Perfluorononanesulfonic acid (PFNS)	ND		20	4.0	ng/L		12/01/23 08:27	12/04/23 23:40	1
Perfluorodecanesulfonic acid (PFDS)	ND		20	5.0	ng/L		12/01/23 08:27	12/04/23 23:40	1
Perfluorododecanesulfonic acid (PFDoS)	ND		20	8.9	ng/L		12/01/23 08:27	12/04/23 23:40	1
4:2 FTS	ND		80	17	ng/L		12/01/23 08:27	12/04/23 23:40	1
6:2 FTS	ND		80	25	ng/L		12/01/23 08:27	12/04/23 23:40	1
8:2 FTS	ND		80	26	ng/L		12/01/23 08:27	12/04/23 23:40	1
Perfluorooctanesulfonamide (PFOSA)	ND		20	5.0	ng/L		12/01/23 08:27	12/04/23 23:40	1
NMeFOSA	ND		20	5.0	ng/L		12/01/23 08:27	12/04/23 23:40	1
NEtFOSA	ND		20	5.0	ng/L		12/01/23 08:27	12/04/23 23:40	1
NMeFOSAA	ND		40	12	ng/L		12/01/23 08:27	12/04/23 23:40	1
NEtFOSAA	ND		20	7.0	ng/L		12/01/23 08:27	12/04/23 23:40	1
NMeFOSE	ND		200	50	ng/L		12/01/23 08:27	12/04/23 23:40	1
NEtFOSE	ND		200	50	ng/L		12/01/23 08:27	12/04/23 23:40	1
HFPO-DA (GenX)	ND		80	20	ng/L		12/01/23 08:27	12/04/23 23:40	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		80	15	ng/L		12/01/23 08:27	12/04/23 23:40	1
PFMBA	ND		40	9.9	ng/L		12/01/23 08:27	12/04/23 23:40	1
NFDHA	ND		40	9.9	ng/L		12/01/23 08:27	12/04/23 23:40	1
PFMPA	ND		40	5.0	ng/L		12/01/23 08:27	12/04/23 23:40	1
9Cl-PF3ONS	ND		80	9.9	ng/L		12/01/23 08:27	12/04/23 23:40	1
11Cl-PF3OUdS	ND		80	20	ng/L		12/01/23 08:27	12/04/23 23:40	1
PFEESA	ND		40	5.0	ng/L		12/01/23 08:27	12/04/23 23:40	1
3:3 FTCA	ND		99	15	ng/L		12/01/23 08:27	12/04/23 23:40	1
5:3 FTCA	ND		500	99	ng/L		12/01/23 08:27	12/04/23 23:40	1
7:3 FTCA	ND		500	99	ng/L		12/01/23 08:27	12/04/23 23:40	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*71*		*10 - 130*	*12/01/23 08:27*	*12/04/23 23:40*	*1*
13C5 PFPeA	*68*		*40 - 150*	*12/01/23 08:27*	*12/04/23 23:40*	*1*
13C5 PFHxA	*65*		*40 - 150*	*12/01/23 08:27*	*12/04/23 23:40*	*1*
13C4 PFHpA	*66*		*40 - 150*	*12/01/23 08:27*	*12/04/23 23:40*	*1*

Client: CHA Inc
Job ID: 480-214763-2
Project/Site: CHGE Danskammer - AC Excavation

Client Sample ID: WATER-AC EXCAVATION-110923
Lab Sample ID: 480-214763-3
Date Collected: 11/09/23 10:15
Matrix: Water
Date Received: 11/10/23 09:00

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C8 PFOA	68		30 - 140	12/01/23 08:27	12/04/23 23:40	1
13C9 PFNA	63		30 - 140	12/01/23 08:27	12/04/23 23:40	1
13C6 PFDA	62		20 - 140	12/01/23 08:27	12/04/23 23:40	1
13C7 PFUnA	50		20 - 140	12/01/23 08:27	12/04/23 23:40	1
13C2 PFDoA	40		10 - 150	12/01/23 08:27	12/04/23 23:40	1
13C2 PFTeDA	35		10 - 130	12/01/23 08:27	12/04/23 23:40	1
13C3 PFBS	62		25 - 150	12/01/23 08:27	12/04/23 23:40	1
13C3 PFHxS	54		25 - 150	12/01/23 08:27	12/04/23 23:40	1
13C8 PFOS	52		20 - 140	12/01/23 08:27	12/04/23 23:40	1
13C8 FOSA	57		10 - 130	12/01/23 08:27	12/04/23 23:40	1
d3-NMeFOSAA	81		10 - 200	12/01/23 08:27	12/04/23 23:40	1
d5-NEtFOSAA	53		10 - 200	12/01/23 08:27	12/04/23 23:40	1
M2-4:2 FTS	87		25 - 200	12/01/23 08:27	12/04/23 23:40	1
M2-6:2 FTS	67		25 - 200	12/01/23 08:27	12/04/23 23:40	1
M2-8:2 FTS	59		25 - 200	12/01/23 08:27	12/04/23 23:40	1
13C3 HFPO-DA	68		25 - 160	12/01/23 08:27	12/04/23 23:40	1
d7-N-MeFOSE-M	35		10 - 150	12/01/23 08:27	12/04/23 23:40	1
d9-N-EtFOSE-M	29		10 - 150	12/01/23 08:27	12/04/23 23:40	1
d5-NEtPFOSA	41		10 - 130	12/01/23 08:27	12/04/23 23:40	1
d3-NMePFOSA	40		10 - 130	12/01/23 08:27	12/04/23 23:40	1

Isotope Dilution Summary

Client: CHA Inc
Job ID: 480-214763-2
Project/Site: CHGE Danskammer - AC Excavation

Method: Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

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

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (20-150)	PFPeA (20-150)	13C5PHA (20-150)	C4PFHA (20-150)	C8PFOA (20-150)	C9PFNA (20-150)	C6PFDA (20-150)	13C7PUA (20-150)
480-214763-1	SOIL-AC EXCAVATION (1-2.5)	50	95	91	87	90	93	92	87
480-214763-2	SOIL-AC EXCAVATION (0-1)	80	101	91	101	90	88	86	83
LCS 280-637613/3-A	Lab Control Sample	61	97	99	93	87	89	88	84
LLCS 280-637613/2-A	Lab Control Sample	88	82	80	85	93	95	86	84
MB 280-637613/1-A	Method Blank	82	85	79	87	82	82	83	79

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFDoA (20-150)	PFTDA (20-150)	C3PFBS (20-150)	C3PFHS (20-150)	C8PFOS (20-150)	PFOSA (20-150)	d3NMFOS (20-150)	d5NEFOS (20-150)
480-214763-1	SOIL-AC EXCAVATION (1-2.5)	83	77	80	86	104	95	84	79
480-214763-2	SOIL-AC EXCAVATION (0-1)	78	62	83	83	81	104	103	100
LCS 280-637613/3-A	Lab Control Sample	75	66	79	89	93	95	81	77
LLCS 280-637613/2-A	Lab Control Sample	75	65	84	94	105	95	83	82
MB 280-637613/1-A	Method Blank	73	60	84	89	93	86	76	72

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M242FTS (20-150)	M262FTS (20-150)	M282FTS (20-150)	HFPODA (20-150)	NMFM (20-150)	NEFM (20-150)	d5NPFSA (20-150)	d3NMFSA (20-150)
480-214763-1	SOIL-AC EXCAVATION (1-2.5)	85	91	104	104	69	70	77	80
480-214763-2	SOIL-AC EXCAVATION (0-1)	108	130	161 *5+	101	67	67	72	76
LCS 280-637613/3-A	Lab Control Sample	76	76	72	96	67	67	61	69
LLCS 280-637613/2-A	Lab Control Sample	81	81	82	82	68	67	58	62
MB 280-637613/1-A	Method Blank	74	73	81	93	57	56	47	53

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFDoA = 13C2 PFDoA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M242FTS = M2-4:2 FTS
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS
HFPODA = 13C3 HFPO-DA
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
d5NPFSA = d5-NEtPFOSA
d3NMFSA = d3-NMePFOSA

Isotope Dilution Summary

Client: CHA Inc
Job ID: 480-214763-2
Project/Site: CHGE Danskammer - AC Excavation

Method: Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

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

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (10-130)	PFPeA (40-150)	13C5PHA (40-150)	C4PFHA (40-150)	C8PFOA (30-140)	C9PFNA (30-140)	C6PFDA (20-140)	13C7PUA (20-140)
480-214763-3	WATER-AC EXCAVATION-1109	71	68	65	66	68	63	62	50
LCS 280-635728/3-A	Lab Control Sample	70	67	66	70	71	69	67	67
LCSD 280-635728/4-A	Lab Control Sample Dup	70	66	71	64	76	69	70	66
LLCS 280-635728/2-A	Lab Control Sample	70	67	72	67	70	70	64	61
MB 280-635728/1-A	Method Blank	73	72	76	69	76	69	72	63

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFDoA (10-150)	PFTDA (10-130)	C3PFBS (25-150)	C3PFHS (25-150)	C8PFOS (20-140)	PFOSA (10-130)	d3NMFOS (10-200)	d5NEFOS (10-200)
480-214763-3	WATER-AC EXCAVATION-1109	40	35	62	54	52	57	81	53
LCS 280-635728/3-A	Lab Control Sample	63	47	67	66	75	67	86	64
LCSD 280-635728/4-A	Lab Control Sample Dup	65	53	71	72	73	71	87	64
LLCS 280-635728/2-A	Lab Control Sample	59	57	73	69	71	67	88	66
MB 280-635728/1-A	Method Blank	69	75	77	71	84	78	98	83

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M242FTS (25-200)	M262FTS (25-200)	M282FTS (25-200)	HFPODA (25-160)	NMFM (10-150)	NEFM (10-150)	d5NPFSA (10-130)	d3NMFSA (10-130)
480-214763-3	WATER-AC EXCAVATION-1109	87	67	59	68	35	29	41	40
LCS 280-635728/3-A	Lab Control Sample	63	65	61	62	67	66	56	52
LCSD 280-635728/4-A	Lab Control Sample Dup	72	71	73	63	76	75	62	61
LLCS 280-635728/2-A	Lab Control Sample	67	70	67	67	65	66	59	54
MB 280-635728/1-A	Method Blank	70	69	70	70	77	78	69	65

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFDoA = 13C2 PFDoA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M242FTS = M2-4:2 FTS
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS
HFPODA = 13C3 HFPO-DA
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
d5NPFSA = d5-NEtPFOSA
d3NMFSA = d3-NMePFOSA

Client: CHA Inc
Job ID: 480-214763-2
Project/Site: CHGE Danskammer - AC Excavation

Method: Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Lab Sample ID: MB 280-635728/1-A
Matrix: Water
Analysis Batch: 635934

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 635728

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		8.0	2.0	ng/L		12/01/23 08:27	12/04/23 21:43	1
Perfluoropentanoic acid (PFPeA)	ND		4.0	1.0	ng/L		12/01/23 08:27	12/04/23 21:43	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.50	ng/L		12/01/23 08:27	12/04/23 21:43	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.52	ng/L		12/01/23 08:27	12/04/23 21:43	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.64	ng/L		12/01/23 08:27	12/04/23 21:43	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.50	ng/L		12/01/23 08:27	12/04/23 21:43	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.50	ng/L		12/01/23 08:27	12/04/23 21:43	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.50	ng/L		12/01/23 08:27	12/04/23 21:43	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.50	ng/L		12/01/23 08:27	12/04/23 21:43	1
Perfluorotridecanoic acid (PFTriA)	ND		2.0	0.50	ng/L		12/01/23 08:27	12/04/23 21:43	1
Perfluorotetradecanoic acid (PFTeDA)	ND		2.0	0.50	ng/L		12/01/23 08:27	12/04/23 21:43	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.30	ng/L		12/01/23 08:27	12/04/23 21:43	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.50	ng/L		12/01/23 08:27	12/04/23 21:43	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.57	ng/L		12/01/23 08:27	12/04/23 21:43	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.40	ng/L		12/01/23 08:27	12/04/23 21:43	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	0.50	ng/L		12/01/23 08:27	12/04/23 21:43	1
Perfluorononanesulfonic acid (PFNS)	ND		2.0	0.40	ng/L		12/01/23 08:27	12/04/23 21:43	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.50	ng/L		12/01/23 08:27	12/04/23 21:43	1
Perfluorododecanesulfonic acid (PFDoS)	ND		2.0	0.90	ng/L		12/01/23 08:27	12/04/23 21:43	1
4:2 FTS	ND		8.0	1.7	ng/L		12/01/23 08:27	12/04/23 21:43	1
6:2 FTS	ND		8.0	2.5	ng/L		12/01/23 08:27	12/04/23 21:43	1
8:2 FTS	ND		8.0	2.6	ng/L		12/01/23 08:27	12/04/23 21:43	1
Perfluorooctanesulfonamide (PFOSA)	ND		2.0	0.50	ng/L		12/01/23 08:27	12/04/23 21:43	1
NMeFOSA	ND		2.0	0.50	ng/L		12/01/23 08:27	12/04/23 21:43	1
NEtFOSA	ND		2.0	0.50	ng/L		12/01/23 08:27	12/04/23 21:43	1
NMeFOSAA	ND		4.0	1.2	ng/L		12/01/23 08:27	12/04/23 21:43	1
NEtFOSAA	ND		2.0	0.70	ng/L		12/01/23 08:27	12/04/23 21:43	1
NMeFOSE	ND		20	5.0	ng/L		12/01/23 08:27	12/04/23 21:43	1
NEtFOSE	ND		20	5.0	ng/L		12/01/23 08:27	12/04/23 21:43	1
HFPO-DA (GenX)	ND		8.0	2.0	ng/L		12/01/23 08:27	12/04/23 21:43	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		8.0	1.5	ng/L		12/01/23 08:27	12/04/23 21:43	1
PFMBA	ND		4.0	1.0	ng/L		12/01/23 08:27	12/04/23 21:43	1
NFDHA	ND		4.0	1.0	ng/L		12/01/23 08:27	12/04/23 21:43	1
PFMPA	ND		4.0	0.50	ng/L		12/01/23 08:27	12/04/23 21:43	1
9Cl-PF3ONS	ND		8.0	1.0	ng/L		12/01/23 08:27	12/04/23 21:43	1
11Cl-PF3OUdS	ND		8.0	2.0	ng/L		12/01/23 08:27	12/04/23 21:43	1
PFEESA	ND		4.0	0.50	ng/L		12/01/23 08:27	12/04/23 21:43	1
3:3 FTCA	ND		10	1.5	ng/L		12/01/23 08:27	12/04/23 21:43	1
5:3 FTCA	ND		50	10	ng/L		12/01/23 08:27	12/04/23 21:43	1
7:3 FTCA	ND		50	10	ng/L		12/01/23 08:27	12/04/23 21:43	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*73*		*10 - 130*	*12/01/23 08:27*	*12/04/23 21:43*	*1*
13C5 PFPeA	*72*		*40 - 150*	*12/01/23 08:27*	*12/04/23 21:43*	*1*
13C5 PFHxA	*76*		*40 - 150*	*12/01/23 08:27*	*12/04/23 21:43*	*1*

Method: Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: MB 280-635728/1-A
Matrix: Water
Analysis Batch: 635934

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 635728

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFHpA	69		40 - 150	12/01/23 08:27	12/04/23 21:43	1
13C8 PFOA	76		30 - 140	12/01/23 08:27	12/04/23 21:43	1
13C9 PFNA	69		30 - 140	12/01/23 08:27	12/04/23 21:43	1
13C6 PFDA	72		20 - 140	12/01/23 08:27	12/04/23 21:43	1
13C7 PFUnA	63		20 - 140	12/01/23 08:27	12/04/23 21:43	1
13C2 PFDoA	69		10 - 150	12/01/23 08:27	12/04/23 21:43	1
13C2 PFTeDA	75		10 - 130	12/01/23 08:27	12/04/23 21:43	1
13C3 PFBS	77		25 - 150	12/01/23 08:27	12/04/23 21:43	1
13C3 PFHxS	71		25 - 150	12/01/23 08:27	12/04/23 21:43	1
13C8 PFOS	84		20 - 140	12/01/23 08:27	12/04/23 21:43	1
13C8 FOSA	78		10 - 130	12/01/23 08:27	12/04/23 21:43	1
d3-NMeFOSAA	98		10 - 200	12/01/23 08:27	12/04/23 21:43	1
d5-NEtFOSAA	83		10 - 200	12/01/23 08:27	12/04/23 21:43	1
M2-4:2 FTS	70		25 - 200	12/01/23 08:27	12/04/23 21:43	1
M2-6:2 FTS	69		25 - 200	12/01/23 08:27	12/04/23 21:43	1
M2-8:2 FTS	70		25 - 200	12/01/23 08:27	12/04/23 21:43	1
13C3 HFPO-DA	70		25 - 160	12/01/23 08:27	12/04/23 21:43	1
d7-N-MeFOSE-M	77		10 - 150	12/01/23 08:27	12/04/23 21:43	1
d9-N-EtFOSE-M	78		10 - 150	12/01/23 08:27	12/04/23 21:43	1
d5-NEtPFOSA	69		10 - 130	12/01/23 08:27	12/04/23 21:43	1
d3-NMePFOSA	65		10 - 130	12/01/23 08:27	12/04/23 21:43	1

Lab Sample ID: LCS 280-635728/3-A
Matrix: Water
Analysis Batch: 635934

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 635728

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	32.0	31.5		ng/L		98	58 - 148
Perfluoropentanoic acid (PFPeA)	32.0	36.6		ng/L		114	54 - 152
Perfluorohexanoic acid (PFHxA)	32.0	34.7		ng/L		108	55 - 152
Perfluoroheptanoic acid (PFHpA)	32.0	33.3		ng/L		104	54 - 154
Perfluorooctanoic acid (PFOA)	32.0	32.5		ng/L		102	52 - 161
Perfluorononanoic acid (PFNA)	32.0	34.9		ng/L		109	59 - 149
Perfluorodecanoic acid (PFDA)	32.0	31.6		ng/L		99	52 - 147
Perfluoroundecanoic acid (PFUnA)	32.0	30.7		ng/L		96	48 - 159
Perfluorododecanoic acid (PFDoA)	32.0	34.4		ng/L		107	64 - 142
Perfluorotridecanoic acid (PFTriA)	32.0	28.8		ng/L		90	49 - 148
Perfluorotetradecanoic acid (PFTeDA)	32.0	26.9		ng/L		84	47 - 161
Perfluorobutanesulfonic acid (PFBS)	28.4	28.4		ng/L		100	62 - 144
Perfluoropentanesulfonic acid (PFPeS)	30.0	33.0		ng/L		110	59 - 151
Perfluorohexanesulfonic acid (PFHxS)	29.2	27.9		ng/L		96	57 - 146
Perfluoroheptanesulfonic acid (PFHpS)	30.5	30.5		ng/L		100	55 - 152

Method: Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 280-635728/3-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 635934
Prep Batch: 635728

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorooctanesulfonic acid (PFOS)	29.8	29.4		ng/L		99	58 - 149
Perfluorononanesulfonic acid (PFNS)	30.8	27.1		ng/L		88	52 - 148
Perfluorodecanesulfonic acid (PFDS)	30.8	28.9		ng/L		94	51 - 147
Perfluorododecanesulfonic acid (PFDoS)	31.0	16.7		ng/L		54	36 - 145
4:2 FTS	79.8	87.2		ng/L		109	67 - 146
6:2 FTS	121	131		ng/L		108	61 - 151
8:2 FTS	123	140		ng/L		114	63 - 152
Perfluorooctanesulfonamide (PFOSA)	32.0	32.6		ng/L		102	61 - 148
NMeFOSA	32.0	35.7		ng/L		112	63 - 145
NEtFOSA	32.0	33.2		ng/L		104	65 - 139
NMeFOSAA	32.0	30.3		ng/L		95	58 - 144
NEtFOSAA	32.0	35.7		ng/L		112	59 - 146
NMeFOSE	160	169		ng/L		105	71 - 136
NEtFOSE	320	350		ng/L		109	69 - 137
HFPO-DA (GenX)	32.0	33.5		ng/L		105	63 - 144
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	30.2	37.7		ng/L		125	68 - 146
PFMBA	64.0	68.1		ng/L		106	55 - 148
NFDHA	32.0	34.2		ng/L		107	48 - 161
PFMPA	64.0	67.5		ng/L		105	51 - 145
9Cl-PF3ONS	79.6	113		ng/L		141	56 - 156
11Cl-PF3OUdS	80.4	88.7		ng/L		110	46 - 156
PFEESA	57.1	61.2		ng/L		107	56 - 151
3:3 FTCA	160	161		ng/L		101	62 - 129
5:3 FTCA	320	306		ng/L		96	63 - 134
7:3 FTCA	320	289		ng/L		90	50 - 138

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*70*		*10 - 130*
13C5 PFPeA	*67*		*40 - 150*
13C5 PFHxA	*66*		*40 - 150*
13C4 PFHpA	*70*		*40 - 150*
13C8 PFOA	*71*		*30 - 140*
13C9 PFNA	*69*		*30 - 140*
13C6 PFDA	*67*		*20 - 140*
13C7 PFUnA	*67*		*20 - 140*
13C2 PFDoA	*63*		*10 - 150*
13C2 PFTeDA	*47*		*10 - 130*
13C3 PFBS	*67*		*25 - 150*
13C3 PFHxS	*66*		*25 - 150*
13C8 PFOS	*75*		*20 - 140*
13C8 FOSA	*67*		*10 - 130*
d3-NMeFOSAA	*86*		*10 - 200*
d5-NEtFOSAA	*64*		*10 - 200*
M2-4:2 FTS	*63*		*25 - 200*

Method: Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 280-635728/3-A
Matrix: Water
Analysis Batch: 635934

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 635728

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
M2-6:2 FTS	*65*		*25 - 200*
M2-8:2 FTS	*61*		*25 - 200*
13C3 HFPO-DA	*62*		*25 - 160*
d7-N-MeFOSE-M	*67*		*10 - 150*
d9-N-EtFOSE-M	*66*		*10 - 150*
d5-NEtPFOSA	*56*		*10 - 130*
d3-NMePFOSA	*52*		*10 - 130*

Lab Sample ID: LCSD 280-635728/4-A
Matrix: Water
Analysis Batch: 635934

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 635728

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)			32.0	31.7		ng/L		99	58 - 148	0	30
Perfluoropentanoic acid (PFPeA)			32.0	34.1		ng/L		107	54 - 152	7	30
Perfluorohexanoic acid (PFHxA)			32.0	31.8		ng/L		99	55 - 152	9	30
Perfluoroheptanoic acid (PFHpA)			32.0	35.6		ng/L		111	54 - 154	7	30
Perfluorooctanoic acid (PFOA)			32.0	30.3		ng/L		95	52 - 161	7	30
Perfluorononanoic acid (PFNA)			32.0	34.4		ng/L		107	59 - 149	1	30
Perfluorodecanoic acid (PFDA)			32.0	34.0		ng/L		106	52 - 147	8	30
Perfluoroundecanoic acid (PFUnA)			32.0	32.4		ng/L		101	48 - 159	5	30
Perfluorododecanoic acid (PFDoA)			32.0	33.3		ng/L		104	64 - 142	3	30
Perfluorotridecanoic acid (PFTriA)			32.0	28.1		ng/L		88	49 - 148	3	30
Perfluorotetradecanoic acid (PFTeDA)			32.0	25.6		ng/L		80	47 - 161	5	30
Perfluorobutanesulfonic acid (PFBS)			28.4	29.5		ng/L		104	62 - 144	4	30
Perfluoropentanesulfonic acid (PFPeS)			30.0	33.3		ng/L		111	59 - 151	1	30
Perfluorohexanesulfonic acid (PFHxS)			29.2	30.0		ng/L		103	57 - 146	7	30
Perfluoroheptanesulfonic acid (PFHpS)			30.5	32.8		ng/L		108	55 - 152	7	30
Perfluorooctanesulfonic acid (PFOS)			29.8	30.0		ng/L		101	58 - 149	2	30
Perfluorononanesulfonic acid (PFNS)			30.8	28.7		ng/L		93	52 - 148	6	30
Perfluorodecanesulfonic acid (PFDS)			30.8	29.9		ng/L		97	51 - 147	3	30
Perfluorododecanesulfonic acid (PFDoS)			31.0	19.5		ng/L		63	36 - 145	16	30
4:2 FTS			79.8	89.9		ng/L		113	67 - 146	3	30
6:2 FTS			121	129		ng/L		106	61 - 151	2	30
8:2 FTS			123	129		ng/L		105	63 - 152	8	30
Perfluorooctanesulfonamide (PFOSA)			32.0	32.8		ng/L		103	61 - 148	0	30
NMeFOSA			32.0	32.0		ng/L		100	63 - 145	11	30
NEtFOSA			32.0	34.3		ng/L		107	65 - 139	3	30
NMeFOSAA			32.0	31.5		ng/L		98	58 - 144	4	30

Method: Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCSD 280-635728/4-A
Matrix: Water
Analysis Batch: 635934

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 635728

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
NEtFOSAA			32.0	39.6		ng/L		124	59 - 146	10	30
NMeFOSE			160	169		ng/L		106	71 - 136	0	30
NEtFOSE			320	343		ng/L		107	69 - 137	2	30
HFPO-DA (GenX)			32.0	32.2		ng/L		101	63 - 144	4	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)			30.2	31.6		ng/L		104	68 - 146	18	30
PFMBA			64.0	67.1		ng/L		105	55 - 148	1	30
NFDHA			32.0	30.5		ng/L		95	48 - 161	11	30
PFMPA			64.0	64.2		ng/L		100	51 - 145	5	30
9Cl-PF3ONS			79.6	91.3		ng/L		115	56 - 156	21	30
11Cl-PF3OUdS			80.4	78.8		ng/L		98	46 - 156	12	30
PFEESA			57.1	51.0		ng/L		89	56 - 151	18	30
3:3 FTCA			160	151		ng/L		94	62 - 129	7	30
5:3 FTCA			320	275		ng/L		86	63 - 134	11	30
7:3 FTCA			320	263		ng/L		82	50 - 138	10	30

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C4 PFBA	*70*		*10 - 130*
13C5 PFPeA	*66*		*40 - 150*
13C5 PFHxA	*71*		*40 - 150*
13C4 PFHpA	*64*		*40 - 150*
13C8 PFOA	*76*		*30 - 140*
13C9 PFNA	*69*		*30 - 140*
13C6 PFDA	*70*		*20 - 140*
13C7 PFUnA	*66*		*20 - 140*
13C2 PFDoA	*65*		*10 - 150*
13C2 PFTeDA	*53*		*10 - 130*
13C3 PFBS	*71*		*25 - 150*
13C3 PFHxS	*72*		*25 - 150*
13C8 PFOS	*73*		*20 - 140*
13C8 FOSA	*71*		*10 - 130*
d3-NMeFOSAA	*87*		*10 - 200*
d5-NEtFOSAA	*64*		*10 - 200*
M2-4:2 FTS	*72*		*25 - 200*
M2-6:2 FTS	*71*		*25 - 200*
M2-8:2 FTS	*73*		*25 - 200*
13C3 HFPO-DA	*63*		*25 - 160*
d7-N-MeFOSE-M	*76*		*10 - 150*
d9-N-EtFOSE-M	*75*		*10 - 150*
d5-NEtPFOSA	*62*		*10 - 130*
d3-NMePFOSA	*61*		*10 - 130*

Lab Sample ID: LLCS 280-635728/2-A
Matrix: Water
Analysis Batch: 635934

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 635728

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)			3.20	3.38	J	ng/L		106	44 - 157
Perfluoropentanoic acid (PFPeA)			3.20	3.74	J	ng/L		117	57 - 148

Method: Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 280-635728/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 635934
Prep Batch: 635728

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorohexanoic acid (PFHxA)	3.20	3.52		ng/L		110	62 - 149
Perfluoroheptanoic acid (PFHpA)	3.20	3.74		ng/L		117	56 - 150
Perfluorooctanoic acid (PFOA)	3.20	3.26		ng/L		102	57 - 161
Perfluorononanoic acid (PFNA)	3.20	3.58		ng/L		112	53 - 157
Perfluorodecanoic acid (PFDA)	3.20	3.23		ng/L		101	43 - 158
Perfluoroundecanoic acid (PFUnA)	3.20	3.39		ng/L		106	50 - 155
Perfluorododecanoic acid (PFDoA)	3.20	3.47		ng/L		108	60 - 141
Perfluorotridecanoic acid (PFTriA)	3.20	2.76		ng/L		86	52 - 140
Perfluorotetradecanoic acid (PFTeDA)	3.20	2.79		ng/L		87	52 - 156
Perfluorobutanesulfonic acid (PFBS)	2.84	2.68		ng/L		94	63 - 145
Perfluoropentanesulfonic acid (PFPeS)	3.00	3.28		ng/L		109	58 - 144
Perfluorohexanesulfonic acid (PFHxS)	2.92	3.08		ng/L		105	44 - 158
Perfluoroheptanesulfonic acid (PFHpS)	3.05	2.96		ng/L		97	51 - 150
Perfluorooctanesulfonic acid (PFOS)	2.98	3.27		ng/L		110	43 - 162
Perfluorononanesulfonic acid (PFNS)	3.08	3.10		ng/L		101	46 - 151
Perfluorodecanesulfonic acid (PFDS)	3.08	3.11		ng/L		101	50 - 144
Perfluorododecanesulfonic acid (PFDoS)	3.10	2.59		ng/L		83	30 - 138
4:2 FTS	7.98	9.49		ng/L		119	52 - 158
6:2 FTS	12.1	13.1		ng/L		108	48 - 158
8:2 FTS	12.3	14.0		ng/L		114	46 - 165
Perfluorooctanesulfonamide (PFOSA)	3.20	3.34		ng/L		104	47 - 163
NMeFOSA	3.20	3.91		ng/L		122	54 - 155
NEtFOSA	3.20	3.59		ng/L		112	49 - 156
NMeFOSAA	3.20	2.63	J	ng/L		82	32 - 160
NEtFOSAA	3.20	3.70		ng/L		116	51 - 154
NMeFOSE	16.0	18.6	J	ng/L		116	56 - 151
NEtFOSE	32.0	36.9		ng/L		115	60 - 147
HFPO-DA (GenX)	3.20	3.40	J	ng/L		106	58 - 154
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.02	3.28	J	ng/L		109	61 - 148
PFMBA	6.40	7.06		ng/L		110	49 - 154
NFDHA	3.20	3.08	J	ng/L		96	47 - 160
PFMPA	6.40	6.82		ng/L		107	48 - 150
9Cl-PF3ONS	7.96	9.14		ng/L		115	44 - 167
11Cl-PF3OUdS	8.04	7.82	J	ng/L		97	36 - 158
PFEESA	5.71	5.42		ng/L		95	56 - 144
3:3 FTCA	16.0	16.3		ng/L		102	32 - 161
5:3 FTCA	32.0	30.1	J	ng/L		94	39 - 156
7:3 FTCA	32.0	26.3	J	ng/L		82	36 - 149

Method: Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	LLCS %Recovery	LLCS Qualifier	Limits
13C4 PFBA	70		10 - 130
13C5 PFPeA	67		40 - 150
13C5 PFHxA	72		40 - 150
13C4 PFHpA	67		40 - 150
13C8 PFOA	70		30 - 140
13C9 PFNA	70		30 - 140
13C6 PFDA	64		20 - 140
13C7 PFUnA	61		20 - 140
13C2 PFDoA	59		10 - 150
13C2 PFTeDA	57		10 - 130
13C3 PFBS	73		25 - 150
13C3 PFHxS	69		25 - 150
13C8 PFOS	71		20 - 140
13C8 FOSA	67		10 - 130
d3-NMeFOSAA	88		10 - 200
d5-NEtFOSAA	66		10 - 200
M2-4:2 FTS	67		25 - 200
M2-6:2 FTS	70		25 - 200
M2-8:2 FTS	67		25 - 200
13C3 HFPO-DA	67		25 - 160
d7-N-MeFOSE-M	65		10 - 150
d9-N-EtFOSE-M	66		10 - 150
d5-NEtPFOSA	59		10 - 130
d3-NMePFOSA	54		10 - 130

Lab Sample ID: MB 280-637613/1-A
Matrix: Solid
Analysis Batch: 638010

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 637613

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.80	0.037	ug/Kg		12/18/23 09:37	12/21/23 00:11	1
Perfluoropentanoic acid (PFPeA)	ND		0.40	0.021	ug/Kg		12/18/23 09:37	12/21/23 00:11	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.021	ug/Kg		12/18/23 09:37	12/21/23 00:11	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.022	ug/Kg		12/18/23 09:37	12/21/23 00:11	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.042	ug/Kg		12/18/23 09:37	12/21/23 00:11	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.012	ug/Kg		12/18/23 09:37	12/21/23 00:11	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.075	ug/Kg		12/18/23 09:37	12/21/23 00:11	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.028	ug/Kg		12/18/23 09:37	12/21/23 00:11	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.056	ug/Kg		12/18/23 09:37	12/21/23 00:11	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.028	ug/Kg		12/18/23 09:37	12/21/23 00:11	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.20	0.017	ug/Kg		12/18/23 09:37	12/21/23 00:11	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.014	ug/Kg		12/18/23 09:37	12/21/23 00:11	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.013	ug/Kg		12/18/23 09:37	12/21/23 00:11	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.020	ug/Kg		12/18/23 09:37	12/21/23 00:11	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.028	ug/Kg		12/18/23 09:37	12/21/23 00:11	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.056	ug/Kg		12/18/23 09:37	12/21/23 00:11	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.028	ug/Kg		12/18/23 09:37	12/21/23 00:11	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.020	ug/Kg		12/18/23 09:37	12/21/23 00:11	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.017	ug/Kg		12/18/23 09:37	12/21/23 00:11	1
4:2 FTS	ND		0.80	0.077	ug/Kg		12/18/23 09:37	12/21/23 00:11	1

Method: Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: MB 280-637613/1-A
Matrix: Solid
Analysis Batch: 638010

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 637613

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	ND		0.80	0.48	ug/Kg		12/18/23 09:37	12/21/23 00:11	1
8:2 FTS	ND		0.80	0.12	ug/Kg		12/18/23 09:37	12/21/23 00:11	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.012	ug/Kg		12/18/23 09:37	12/21/23 00:11	1
NMeFOSA	ND		0.20	0.024	ug/Kg		12/18/23 09:37	12/21/23 00:11	1
NEtFOSA	ND		0.20	0.031	ug/Kg		12/18/23 09:37	12/21/23 00:11	1
NMeFOSAA	ND		0.20	0.025	ug/Kg		12/18/23 09:37	12/21/23 00:11	1
NEtFOSAA	ND		0.20	0.024	ug/Kg		12/18/23 09:37	12/21/23 00:11	1
NMeFOSE	ND		2.0	0.099	ug/Kg		12/18/23 09:37	12/21/23 00:11	1
NEtFOSE	ND		2.0	0.11	ug/Kg		12/18/23 09:37	12/21/23 00:11	1
HFPO-DA (GenX)	ND		0.80	0.094	ug/Kg		12/18/23 09:37	12/21/23 00:11	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.80	0.081	ug/Kg		12/18/23 09:37	12/21/23 00:11	1
PFMBA	ND		0.40	0.019	ug/Kg		12/18/23 09:37	12/21/23 00:11	1
NFDHA	ND		0.40	0.048	ug/Kg		12/18/23 09:37	12/21/23 00:11	1
PFMPA	ND		0.40	0.091	ug/Kg		12/18/23 09:37	12/21/23 00:11	1
9Cl-PF3ONS	ND		0.80	0.051	ug/Kg		12/18/23 09:37	12/21/23 00:11	1
11Cl-PF3OUdS	ND		0.80	0.12	ug/Kg		12/18/23 09:37	12/21/23 00:11	1
PFEESA	ND		0.40	0.040	ug/Kg		12/18/23 09:37	12/21/23 00:11	1
3:3 FTCA	ND		1.0	0.18	ug/Kg		12/18/23 09:37	12/21/23 00:11	1
5:3 FTCA	ND		5.0	0.37	ug/Kg		12/18/23 09:37	12/21/23 00:11	1
7:3 FTCA	ND		5.0	0.31	ug/Kg		12/18/23 09:37	12/21/23 00:11	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*82*		*20 - 150*	*12/18/23 09:37*	*12/21/23 00:11*	*1*
13C5 PFPeA	*85*		*20 - 150*	*12/18/23 09:37*	*12/21/23 00:11*	*1*
13C5 PFHxA	*79*		*20 - 150*	*12/18/23 09:37*	*12/21/23 00:11*	*1*
13C4 PFHpA	*87*		*20 - 150*	*12/18/23 09:37*	*12/21/23 00:11*	*1*
13C8 PFOA	*82*		*20 - 150*	*12/18/23 09:37*	*12/21/23 00:11*	*1*
13C9 PFNA	*82*		*20 - 150*	*12/18/23 09:37*	*12/21/23 00:11*	*1*
13C6 PFDA	*83*		*20 - 150*	*12/18/23 09:37*	*12/21/23 00:11*	*1*
13C7 PFUnA	*79*		*20 - 150*	*12/18/23 09:37*	*12/21/23 00:11*	*1*
13C2 PFDoA	*73*		*20 - 150*	*12/18/23 09:37*	*12/21/23 00:11*	*1*
13C2 PFTeDA	*60*		*20 - 150*	*12/18/23 09:37*	*12/21/23 00:11*	*1*
13C3 PFBS	*84*		*20 - 150*	*12/18/23 09:37*	*12/21/23 00:11*	*1*
13C3 PFHxS	*89*		*20 - 150*	*12/18/23 09:37*	*12/21/23 00:11*	*1*
13C8 PFOS	*93*		*20 - 150*	*12/18/23 09:37*	*12/21/23 00:11*	*1*
13C8 FOSA	*86*		*20 - 150*	*12/18/23 09:37*	*12/21/23 00:11*	*1*
d3-NMeFOSAA	*76*		*20 - 150*	*12/18/23 09:37*	*12/21/23 00:11*	*1*
d5-NEtFOSAA	*72*		*20 - 150*	*12/18/23 09:37*	*12/21/23 00:11*	*1*
M2-4:2 FTS	*74*		*20 - 150*	*12/18/23 09:37*	*12/21/23 00:11*	*1*
M2-6:2 FTS	*73*		*20 - 150*	*12/18/23 09:37*	*12/21/23 00:11*	*1*
M2-8:2 FTS	*81*		*20 - 150*	*12/18/23 09:37*	*12/21/23 00:11*	*1*
13C3 HFPO-DA	*93*		*20 - 150*	*12/18/23 09:37*	*12/21/23 00:11*	*1*
d7-N-MeFOSE-M	*57*		*20 - 150*	*12/18/23 09:37*	*12/21/23 00:11*	*1*
d9-N-EtFOSE-M	*56*		*20 - 150*	*12/18/23 09:37*	*12/21/23 00:11*	*1*
d5-NEtPFOSA	*47*		*20 - 150*	*12/18/23 09:37*	*12/21/23 00:11*	*1*
d3-NMePFOSA	*53*		*20 - 150*	*12/18/23 09:37*	*12/21/23 00:11*	*1*

Method: Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 280-637613/3-A
Matrix: Solid
Analysis Batch: 638010

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 637613

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	3.20	3.23		ug/Kg		101	40 - 150
Perfluoropentanoic acid (PFPeA)	3.20	3.15		ug/Kg		99	40 - 150
Perfluorohexanoic acid (PFHxA)	3.20	3.16		ug/Kg		99	40 - 150
Perfluoroheptanoic acid (PFHpA)	3.20	3.57		ug/Kg		111	40 - 150
Perfluorooctanoic acid (PFOA)	3.20	2.65		ug/Kg		83	40 - 150
Perfluorononanoic acid (PFNA)	3.20	2.94		ug/Kg		92	40 - 150
Perfluorodecanoic acid (PFDA)	3.20	2.97		ug/Kg		93	40 - 150
Perfluoroundecanoic acid (PFUnA)	3.20	3.15		ug/Kg		99	40 - 150
Perfluorododecanoic acid (PFDoA)	3.20	3.28		ug/Kg		102	40 - 150
Perfluorotridecanoic acid (PFTriA)	3.20	2.86		ug/Kg		90	40 - 150
Perfluorotetradecanoic acid (PFTeDA)	3.20	3.22		ug/Kg		101	40 - 150
Perfluorobutanesulfonic acid (PFBS)	2.84	2.59		ug/Kg		91	40 - 150
Perfluoropentanesulfonic acid (PFPeS)	3.00	2.59		ug/Kg		86	40 - 150
Perfluorohexanesulfonic acid (PFHxS)	2.92	2.64		ug/Kg		91	40 - 150
Perfluoroheptanesulfonic acid (PFHpS)	3.05	3.09		ug/Kg		101	40 - 150
Perfluorooctanesulfonic acid (PFOS)	2.98	3.01		ug/Kg		101	40 - 150
Perfluorononanesulfonic acid (PFNS)	3.08	3.07		ug/Kg		100	40 - 150
Perfluorodecanesulfonic acid (PFDS)	3.08	2.63		ug/Kg		85	40 - 150
Perfluorododecanesulfonic acid (PFDoS)	3.10	2.34		ug/Kg		75	40 - 150
4:2 FTS	7.98	8.48		ug/Kg		106	40 - 150
6:2 FTS	12.1	11.0		ug/Kg		90	40 - 150
8:2 FTS	12.3	13.1		ug/Kg		107	40 - 150
Perfluorooctanesulfonamide (PFOSA)	3.20	3.15		ug/Kg		98	40 - 150
NMeFOSA	3.20	3.24		ug/Kg		101	40 - 150
NEtFOSA	3.20	3.19		ug/Kg		100	40 - 150
NMeFOSAA	3.20	3.13		ug/Kg		98	40 - 150
NEtFOSAA	3.20	3.34		ug/Kg		104	40 - 150
NMeFOSE	16.0	15.8		ug/Kg		99	40 - 150
NEtFOSE	32.0	31.4		ug/Kg		98	40 - 150
HFPO-DA (GenX)	3.20	3.14		ug/Kg		98	40 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.02	2.97		ug/Kg		98	40 - 150
PFMBA	6.40	6.61		ug/Kg		103	40 - 150
NFDHA	3.20	2.73		ug/Kg		85	40 - 150
PFMPA	6.40	6.30		ug/Kg		98	40 - 150
9Cl-PF3ONS	7.96	8.08		ug/Kg		102	40 - 150
11Cl-PF3OUdS	8.04	7.22		ug/Kg		90	40 - 150
PFEESA	5.71	5.36		ug/Kg		94	40 - 150
3:3 FTCA	16.0	15.9		ug/Kg		99	40 - 150

Method: Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 280-637613/3-A
Matrix: Solid
Analysis Batch: 638010

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 637613

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
5:3 FTCA			32.0	29.9		ug/Kg		93	40 - 150		
7:3 FTCA			32.0	32.6		ug/Kg		102	40 - 150		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*61*		*20 - 150*
13C5 PFPeA	*97*		*20 - 150*
13C5 PFHxA	*99*		*20 - 150*
13C4 PFHpA	*93*		*20 - 150*
13C8 PFOA	*87*		*20 - 150*
13C9 PFNA	*89*		*20 - 150*
13C6 PFDA	*88*		*20 - 150*
13C7 PFUnA	*84*		*20 - 150*
13C2 PFDoA	*75*		*20 - 150*
13C2 PFTeDA	*66*		*20 - 150*
13C3 PFBS	*79*		*20 - 150*
13C3 PFHxS	*89*		*20 - 150*
13C8 PFOS	*93*		*20 - 150*
13C8 FOSA	*95*		*20 - 150*
d3-NMeFOSAA	*81*		*20 - 150*
d5-NEtFOSAA	*77*		*20 - 150*
M2-4:2 FTS	*76*		*20 - 150*
M2-6:2 FTS	*76*		*20 - 150*
M2-8:2 FTS	*72*		*20 - 150*
13C3 HFPO-DA	*96*		*20 - 150*
d7-N-MeFOSE-M	*67*		*20 - 150*
d9-N-EtFOSE-M	*67*		*20 - 150*
d5-NEtPFOSA	*61*		*20 - 150*
d3-NMePFOSA	*69*		*20 - 150*

Lab Sample ID: LLCS 280-637613/2-A
Matrix: Solid
Analysis Batch: 638010

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 637613

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Perfluorobutanoic acid (PFBA)			0.320	0.351	J	ug/Kg		110	40 - 150		
Perfluoropentanoic acid (PFPeA)			0.320	0.353	J	ug/Kg		110	40 - 150		
Perfluorohexanoic acid (PFHxA)			0.320	0.345		ug/Kg		108	40 - 150		
Perfluoroheptanoic acid (PFHpA)			0.320	0.345		ug/Kg		108	40 - 150		
Perfluorooctanoic acid (PFOA)			0.320	0.312		ug/Kg		98	40 - 150		
Perfluorononanoic acid (PFNA)			0.320	0.319		ug/Kg		100	40 - 150		
Perfluorodecanoic acid (PFDA)			0.320	0.325		ug/Kg		102	40 - 150		
Perfluoroundecanoic acid (PFUnA)			0.320	0.350		ug/Kg		109	40 - 150		
Perfluorododecanoic acid (PFDoA)			0.320	0.331		ug/Kg		104	40 - 150		
Perfluorotridecanoic acid (PFTriA)			0.320	0.310		ug/Kg		97	40 - 150		
Perfluorotetradecanoic acid (PFTeDA)			0.320	0.337		ug/Kg		105	40 - 150		

Method: Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 280-637613/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 638010
Prep Batch: 637613

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanesulfonic acid (PFBS)	0.284	0.304		ug/Kg		107	40 - 150
Perfluoropentanesulfonic acid (PFPeS)	0.300	0.284		ug/Kg		95	40 - 150
Perfluorohexanesulfonic acid (PFHxS)	0.292	0.272		ug/Kg		93	40 - 150
Perfluoroheptanesulfonic acid (PFHpS)	0.305	0.302		ug/Kg		99	40 - 150
Perfluorooctanesulfonic acid (PFOS)	0.298	0.285		ug/Kg		96	40 - 150
Perfluorononanesulfonic acid (PFNS)	0.308	0.299		ug/Kg		97	40 - 150
Perfluorodecanesulfonic acid (PFDS)	0.308	0.248		ug/Kg		80	40 - 150
Perfluorododecanesulfonic acid (PFDoS)	0.310	0.222		ug/Kg		71	40 - 150
4:2 FTS	0.798	0.901		ug/Kg		113	40 - 150
6:2 FTS	1.21	1.18		ug/Kg		97	40 - 150
8:2 FTS	1.23	1.33		ug/Kg		108	40 - 150
Perfluorooctanesulfonamide (PFOSA)	0.320	0.325		ug/Kg		102	40 - 150
NMeFOSA	0.320	0.351		ug/Kg		110	40 - 150
NEtFOSA	0.320	0.385		ug/Kg		120	40 - 150
NMeFOSAA	0.320	0.391		ug/Kg		122	40 - 150
NEtFOSAA	0.320	0.308		ug/Kg		96	40 - 150
NMeFOSE	1.60	1.64	J	ug/Kg		103	40 - 150
NEtFOSE	3.20	3.42		ug/Kg		107	40 - 150
HFPO-DA (GenX)	0.320	0.315	J	ug/Kg		98	40 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.302	0.374	J	ug/Kg		124	40 - 150
PFMBA	0.640	0.770		ug/Kg		120	40 - 150
NFDHA	0.320	0.368	J	ug/Kg		115	40 - 150
PFMPA	0.640	0.715		ug/Kg		112	40 - 150
9Cl-PF3ONS	0.796	0.878		ug/Kg		110	40 - 150
11Cl-PF3OUdS	0.804	0.792	J	ug/Kg		98	40 - 150
PFEESA	0.571	0.708		ug/Kg		124	40 - 150
3:3 FTCA	1.60	1.61		ug/Kg		101	40 - 150
5:3 FTCA	3.20	3.53	J	ug/Kg		110	40 - 150
7:3 FTCA	3.20	4.01	J	ug/Kg		125	40 - 150

Isotope Dilution	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
13C4 PFBA	*88*		*20 - 150*
13C5 PFPeA	*82*		*20 - 150*
13C5 PFHxA	*80*		*20 - 150*
13C4 PFHpA	*85*		*20 - 150*
13C8 PFOA	*93*		*20 - 150*
13C9 PFNA	*95*		*20 - 150*
13C6 PFDA	*86*		*20 - 150*
13C7 PFUnA	*84*		*20 - 150*
13C2 PFDoA	*75*		*20 - 150*
13C2 PFTeDA	*65*		*20 - 150*

Method: Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 280-637613/2-A
Matrix: Solid
Analysis Batch: 638010

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 637613

Isotope Dilution	LLCS %Recovery	LLCS Qualifier	Limits
13C3 PFBS	84		20 - 150
13C3 PFHxS	94		20 - 150
13C8 PFOS	105		20 - 150
13C8 FOSA	95		20 - 150
d3-NMeFOSAA	83		20 - 150
d5-NEtFOSAA	82		20 - 150
M2-4:2 FTS	81		20 - 150
M2-6:2 FTS	81		20 - 150
M2-8:2 FTS	82		20 - 150
13C3 HFPO-DA	82		20 - 150
d7-N-MeFOSE-M	68		20 - 150
d9-N-EtFOSE-M	67		20 - 150
d5-NEtPFOSA	58		20 - 150
d3-NMePFOSA	62		20 - 150

QC Association Summary

Client: CHA Inc
Job ID: 480-214763-2
Project/Site: CHGE Danskammer - AC Excavation

LCMS

Prep Batch: 635728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-3	WATER-AC EXCAVATION-110923	Total/NA	Water	1633	
MB 280-635728/1-A	Method Blank	Total/NA	Water	1633	
LCS 280-635728/3-A	Lab Control Sample	Total/NA	Water	1633	
LCSD 280-635728/4-A	Lab Control Sample Dup	Total/NA	Water	1633	
LLCS 280-635728/2-A	Lab Control Sample	Total/NA	Water	1633	

Analysis Batch: 635934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-3	WATER-AC EXCAVATION-110923	Total/NA	Water	Draft 1633	635728
MB 280-635728/1-A	Method Blank	Total/NA	Water	Draft 1633	635728
LCS 280-635728/3-A	Lab Control Sample	Total/NA	Water	Draft 1633	635728
LCSD 280-635728/4-A	Lab Control Sample Dup	Total/NA	Water	Draft 1633	635728
LLCS 280-635728/2-A	Lab Control Sample	Total/NA	Water	Draft 1633	635728

Prep Batch: 637613

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-1	SOIL-AC EXCAVATION (1-2.5)	Total/NA	Solid	1633 Shake	
480-214763-2	SOIL-AC EXCAVATION (0-1)	Total/NA	Solid	1633 Shake	
MB 280-637613/1-A	Method Blank	Total/NA	Solid	1633 Shake	
LCS 280-637613/3-A	Lab Control Sample	Total/NA	Solid	1633 Shake	
LLCS 280-637613/2-A	Lab Control Sample	Total/NA	Solid	1633 Shake	

Analysis Batch: 638010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214763-1	SOIL-AC EXCAVATION (1-2.5)	Total/NA	Solid	Draft 1633	637613
480-214763-2	SOIL-AC EXCAVATION (0-1)	Total/NA	Solid	Draft 1633	637613
MB 280-637613/1-A	Method Blank	Total/NA	Solid	Draft 1633	637613
LCS 280-637613/3-A	Lab Control Sample	Total/NA	Solid	Draft 1633	637613
LLCS 280-637613/2-A	Lab Control Sample	Total/NA	Solid	Draft 1633	637613

Lab Chronicle

Client: CHA Inc
Job ID: 480-214763-2
Project/Site: CHGE Danskammer - AC Excavation

Client Sample ID: SOIL-AC EXCAVATION (1-2.5)
Lab Sample ID: 480-214763-1
Date Collected: 11/09/23 09:20
Matrix: Solid
Date Received: 11/10/23 09:00
Percent Solids: 89.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633 Shake			637613	SSS	EET DEN	12/18/23 09:37
Total/NA	Analysis	Draft 1633		1	638010	CM	EET DEN	12/21/23 04:04

Client Sample ID: SOIL-AC EXCAVATION (0-1)
Lab Sample ID: 480-214763-2
Date Collected: 11/09/23 10:30
Matrix: Solid
Date Received: 11/10/23 09:00
Percent Solids: 81.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633 Shake			637613	SSS	EET DEN	12/18/23 09:37
Total/NA	Analysis	Draft 1633		1	638010	CM	EET DEN	12/21/23 05:02

Client Sample ID: WATER-AC EXCAVATION-110923
Lab Sample ID: 480-214763-3
Date Collected: 11/09/23 10:15
Matrix: Water
Date Received: 11/10/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633			635728	FBD	EET DEN	12/01/23 08:27 - 12/01/23 12:45 [1]
Total/NA	Analysis	Draft 1633		1	635934	CTM	EET DEN	12/04/23 23:40

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Accreditation/Certification Summary

Client: CHA Inc
Job ID: 480-214763-2
Project/Site: CHGE Danskammer - AC Excavation

Laboratory: Eurofins Denver

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	2907.01	10-31-24
A2LA	ISO/IEC 17025	2907.01	10-31-25
Alabama	State Program	40730	09-30-12 *
Alaska (UST)	State	18-001	02-10-24
Arizona	State	AZ0713	12-20-24
Arkansas DEQ	State	19-047-0	05-31-23 *
California	State	2513	01-09-24
Connecticut	State	PH-0686	09-30-24
Florida	NELAP	E87667-57	06-30-24
Georgia	State	4025-011	01-08-24
Illinois	NELAP	2000172019-1	04-30-24
Iowa	State	370	12-01-24
Kansas	NELAP	E-10166	04-30-24
Kentucky (WW)	State	KY98047	12-31-23
Louisiana	NELAP	30785	06-30-14 *
Louisiana	NELAP	30785	06-30-23 *
Louisiana (All)	NELAP	30785	06-30-24
Minnesota	NELAP	1788752	12-31-23
Nevada	State	CO000262020-1	07-31-24
New Hampshire	NELAP	2053	04-28-24
New Jersey	NELAP	230001	06-30-24
New York	NELAP	59923	03-31-24
North Carolina (WW/SW)	State	358	12-31-23
North Dakota	State	R-034	01-08-24
Oklahoma	NELAP	8614	08-31-24
Oregon	NELAP	4025-019	01-08-24
Pennsylvania	NELAP	013	07-31-24
South Carolina	State	72002001	01-08-24
Texas	NELAP	TX104704183-08-TX	09-30-09 *
Texas	NELAP	T104704183-21-19	09-30-24
USDA	US Federal Programs	P330-20-00065	12-19-25
Utah	NELAP	QUAN5	06-30-13 *
Utah	NELAP	CO000262019-11	07-31-24
Virginia	NELAP	460232	06-14-24
Washington	State	C583	08-03-24
West Virginia DEP	State	354	11-30-24
Wisconsin	State	999615430	08-31-24
Wyoming (UST)	A2LA	2907.01	10-31-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: CHA Inc
Job ID: 480-214763-2
Project/Site: CHGE Danskammer - AC Excavation

Method	Method Description	Protocol	Laboratory
Draft 1633	Per- and Polyfluoroalkyl Substances by LC/MS/MS	EPA	EET DEN
1633	Solid-Phase Extraction (SPE)	EPA	EET DEN
1633 Shake	Shake Extraction with SPE	EPA	EET DEN

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EET DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Sample Summary

Client: CHA Inc
Job ID: 480-214763-2
Project/Site: CHGE Danskammer - AC Excavation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-214763-1	SOIL-AC EXCAVATION (1-2.5)	Solid	11/09/23 09:20	11/10/23 09:00
480-214763-2	SOIL-AC EXCAVATION (0-1)	Solid	11/09/23 10:30	11/10/23 09:00
480-214763-3	WATER-AC EXCAVATION-110923	Water	11/09/23 10:15	11/10/23 09:00

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

Albany #224

eurofins | Environment Testing

Client Information	Sampler: John Favreau	Lab PM: Beninati, John	Carrier Tracking No(s):	COC No: 480-190226-40035.1
Client Contact: Ms. Julia Craner	Phone: (518) 453-8795	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin: NY	Page: Page 1 of 2
Company: CHA Inc	PWSID:			Job #:
Address: 3 Winners Circle PO BOX 5269	Due Date Requested:			
City: Albany	TAT Requested (days): STANDARD			
State, Zip: NY, 12205-0269	Compliance Project: Δ Yes Δ No			
Phone: 845-325-2329(Tel)	PO #: Purchase Order not required			
Email: jcraner@chacompanies.com (chasolutions.com)	WO #:			
Project Name: CHGE Danskammer	Project #: 48027090			
Site: AC EXCAVATION	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	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)	8260C - TCL VOCs (LL TC)	6010C, 7471B	8081B, 8082A, 8151A, 8270D	1633_B24 - 1633 B24 Standard List	8082A - TCL PCBs	8270D - TCL SVOCs + 1,4-Dioxane	6010C, 7470A	8260C - TCL VOCs	8081B - (MOD) TCL Pesticides	8151A - Herbicides	8260C - TCLP Volatiles	6010C, 7470A, 8081B, 8151A, 8270D (TCLP)	1010A, 9045D	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N	D	A	N	N	N	N	N		
SOIL-AC EXCAVATION (1'-2.5')	11/9/23	09:20	G	Solid			✓	✓	✓	✓											
SOIL-AC EXCAVATION (0-1')	11/9/23	10:30	G	Solid			✓	✓	✓	✓											
WATER-AC EXCAVATION-110923	11/9/23	10:15	G	Water						✓	✓	✓	✓	✓	✓	✓					
TRIP BLANK	11/9/23	—	G	Water										✓							
SOIL-AC EXCAVATION-WASTE CHAR.	11/9/23	11:20	C	Solid													✓	✓	✓		

John Favreau

480-214763 Chain of Custody

Possible Hazard Identification
✓ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
1	John R. Favreau	11/9/23 16:50	CHA		11-9-23 1650	EETH
2		11-9-23 1700	EETH		11/10/23 900	TA
3	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: 1.6 21720 # 1 ICE

Ver: 06/08/2021

12/22/2023

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

Albany #224

eurofins | Environment Testing

Client Information	Sampler: John Favreau	Lab PM: Beninati, John	Carrier Tracking No(s):	COC No: 480-190226-40035.2
Client Contact: Ms. Julia Craner	Phone: (518) 453-8795	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin: NY	Page: Page 2 of 2
Company: CHA Inc	PWSID:			Job #:
Address: 3 Winners Circle PO BOX 5269	Due Date Requested:			
City: Albany	TAT Requested (days): Standard			
State, Zip: NY, 12205-0269	Compliance Project: Δ Yes Δ No			
Phone: 845-325-2329(Tel)	PO #: Purchase Order not required			
Email: jcraner@chacompanies.com (chasolutions.com)	WO #:			
Project Name: CHGE Danskammer	Project #: 48027090			
Site: AC Excavation	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	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)	9012_ReactiveCN, 9034_Reactive	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
Soil - AC Excavation (1'-2.5')	11/9/23	09:20	G	Solid					
Soil - AC Excavation (0-1')	11/9/23	10:30	G	Solid					
Water - AC Excavation - 110923	11/9/23	10:15	G	Water					
Trip Blank	11/9/23	—	G	Water					
Soil - AC Excavation - Waste Char.	11/9/23	11:20	C	Solid			✓		

John Favreau

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time	Company		Date/Time	Company
Relinquished by: John L. Favreau	11/9/23 16:50	CHA	Received by:	11-9-23 1650	EEG
Relinquished by:	11-9-23 1700	EEG	Received by:		
Relinquished by:	Date/Time:	Company	Received by:	11/10/23 900	TA

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Beninati, John	Carrier Tracking No(s):	COC No: 480-83928.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin: New York	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc		Accreditations Required (See note): NELAP - New York		Job #: 480-214763-1
Address: 4955 Yarrow Street, ,	Due Date Requested: 11/27/2023			
City: Arvada	TAT Requested (days):			
State, Zip: CO, 80002				
Phone: 303-736-0100(Tel) 303-431-7171(Fax)	PO #:			
Email:	WO #:			
Project Name: CHGE Danskammer	Project #: 48027090			
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)	1633_B24/1633_Shake 1633 B24 Standard List	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
SOIL-AC EXCAVATION (1-2.5) (480-214763-1)	11/9/23	09.20 Eastern		Solid			X	1	
SOIL-AC EXCAVATION (0-1) (480-214763-2)	11/9/23	10:30 Eastern		Solid			X	1	

Note Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast 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 Northeast, LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, 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 Northeast, 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: Amman Umolb	Date/Time: 11/13/23 1700	Company: TA	Received by: [signature]	Date/Time: 11/14/23 945	Company: EET DEN
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Cooler Temperature(s) °C and Other Remarks: 3.9 CF+1.3 [signature]

Ver: 11/08/2021

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Beninati, John	Carrier Tracking No(s):	COC No: 480-83928.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: John Beninati@et eurofinsus.com	State of Origin: New York	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - New York		Job #: 480-214763-1
Address: 4955 Yarrow Street, ,	Due Date Requested: 11/27/2023			
City: Arvada	TAT Requested (days):			
State, Zip: CO, 80002				
Phone: 303-736-0100(Tel) 303-431-7171(Fax)	PO #:			
Email:	WO #:			
Project Name: CHGE Danskammer	Project #: 48027090			
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)

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)	1033 B24 Standard List	Total Containers	Special Instructions/Note:
			Preservation Code:						
SOIL-AC EXCAVATION (1-2.5) (480-214763-1)	11/9/23	09:20 Eastern		Solid					
SOIL-AC EXCAVATION (0-1) (480-214763-2)	11/9/23	10.30 Eastern		Solid					

Solids
COC

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, 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 Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, 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 Northeast, 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	Date/Time	Company	Received by	Date/Time	Company
[signature]	11/13/23 1700	TA	[signature]	11/14/23 945	EET DSV
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: 3.9 CF +3 IR none

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: CHA Inc

Job Number: 480-214763-2

Login Number: 214763
List Number: 1
Creator: Wallace, Cameron

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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 sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	FREEZE TIME 11/10/23 1400
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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: CHA Inc

Job Number: 480-214763-2

Login Number: 214763
List Number: 2
Creator: Little, Matthew L

List Source: Eurofins Denver
List Creation: 11/14/23 01:06 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	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Attachment 3
Analytical Lab Report – AC & DC Line Oil

Technical Report

prepared for:

Central Hudson Gas & Electric Corporation
284 South Avenue
Poughkeepsie NY, 12601
Attention: Jesse Gallo

Report Date: 12/27/2023
Client Project ID: 7243A/7244A Danskammer AC/DC line oil
York Project (SDG) No.: 23L1216

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 12/27/2023
Client Project ID: 7243A/7244A Danskammer AC/DC line oil
York Project (SDG) No.: 23L1216

Central Hudson Gas & Electric Corporation
284 South Avenue
Poughkeepsie NY, 12601
Attention: Jesse Gallo

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on December 18, 2023 and listed below. The project was identified as your project: **7243A/7244A Danskammer AC/DC line oil**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
23L1216-01	Danskammer AC line oil	Oil	12/15/2023	12/18/2023
23L1216-02	Danskammer DC line oil	Oil	12/15/2023	12/18/2023

General Notes for York Project (SDG) No.: 23L1216

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By: 

Date: 12/27/2023

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: **Danskammer AC line oil** **York Sample ID:** **23L1216-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23L1216	7243A/7244A Danskammer AC/DC line oil	Oil	December 15, 2023 10:00 am	12/18/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: Waste Dilution VOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SKF
71-55-6	1,1,1-Trichloroethane	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SKF
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SKF
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SKF
79-00-5	1,1,2-Trichloroethane	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SKF
75-34-3	1,1-Dichloroethane	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SKF
75-35-4	1,1-Dichloroethylene	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SKF
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	SKF
96-18-4	1,2,3-Trichloropropane	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	SKF
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	SKF
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SKF
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SKF
106-93-4	1,2-Dibromoethane	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SKF
95-50-1	1,2-Dichlorobenzene	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SKF
107-06-2	1,2-Dichloroethane	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SKF
78-87-5	1,2-Dichloropropane	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SKF
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SKF
541-73-1	1,3-Dichlorobenzene	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SKF

Sample Information

Client Sample ID: **Danskammer AC line oil** **York Sample ID:** **23L1216-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23L1216	7243A/7244A Danskammer AC/DC line oil	Oil	December 15, 2023 10:00 am	12/18/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: Waste Dilution VOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
123-91-1	1,4-Dioxane	ND	ICVE	ug/kg	100000	200000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25	SKF NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
78-93-3	2-Butanone	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
591-78-6	2-Hexanone	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
108-10-1	4-Methyl-2-pentanone	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
67-64-1	Acetone	ND	ICVE	ug/kg	10000	20000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
107-02-8	Acrolein	ND		ug/kg	10000	20000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
107-13-1	Acrylonitrile	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
71-43-2	Benzene	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
74-97-5	Bromochloromethane	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25	SKF NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
75-27-4	Bromodichloromethane	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
75-25-2	Bromoform	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
74-83-9	Bromomethane	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
75-15-0	Carbon disulfide	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
56-23-5	Carbon tetrachloride	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
108-90-7	Chlorobenzene	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
75-00-3	Chloroethane	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
67-66-3	Chloroform	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
74-87-3	Chloromethane	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT

Sample Information

Client Sample ID: **Danskammer AC line oil** **York Sample ID:** **23L1216-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23L1216	7243A/7244A Danskammer AC/DC line oil	Oil	December 15, 2023 10:00 am	12/18/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: Waste Dilution VOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
110-82-7	Cyclohexane	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25	SKF NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
124-48-1	Dibromochloromethane	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25	SKF NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
74-95-3	Dibromomethane	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25	SKF NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
75-71-8	Dichlorodifluoromethane	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25	SKF NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
100-41-4	Ethyl Benzene	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
87-68-3	Hexachlorobutadiene	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25	SKF NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
98-82-8	Isopropylbenzene	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
79-20-9	Methyl acetate	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25	SKF NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
108-87-2	Methylcyclohexane	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25	SKF NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
75-09-2	Methylene chloride	ND		ug/kg	5000	20000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
104-51-8	n-Butylbenzene	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
103-65-1	n-Propylbenzene	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
95-47-6	o-Xylene	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68
179601-23-1	p- & m- Xylenes	ND		ug/kg	10000	20000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68
99-87-6	p-Isopropyltoluene	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
135-98-8	sec-Butylbenzene	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT

Sample Information

Client Sample ID: **Danskammer AC line oil** **York Sample ID:** **23L1216-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23L1216	7243A/7244A Danskammer AC/DC line oil	Oil	December 15, 2023 10:00 am	12/18/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: Waste Dilution VOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-42-5	Styrene	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SKF
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	SKF
98-06-6	tert-Butylbenzene	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SKF
127-18-4	Tetrachloroethylene	ND	QL-02	ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SKF
108-88-3	Toluene	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SKF
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SKF
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SKF
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25 CTDOH-PH-0723	SKF
79-01-6	Trichloroethylene	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SKF
75-69-4	Trichlorofluoromethane	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SKF
75-01-4	Vinyl Chloride	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SKF
1330-20-7	Xylenes, Total	ND		ug/kg	15000	30000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 18:25 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SKF

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*101 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*98.9 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*101 %*	*76-130*

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: Waste Dilution

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41	12/27/2023 12:57 NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41	12/27/2023 12:57 NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	KH

Sample Information

Client Sample ID: **Danskammer AC line oil** **York Sample ID:** **23L1216-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23L1216	7243A/7244A Danskammer AC/DC line oil	Oil	December 15, 2023 10:00 am	12/18/2023

Semi-Volatiles, 8270 - Comprehensive **Log-in Notes:** VOA-CONT **Sample Notes:**

Sample Prepared by Method: Waste Dilution

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41	12/27/2023 12:57	KH CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
95-50-1	1,2-Dichlorobenzene	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41	12/27/2023 12:57	KH NELAC-NY10854,PADEP-68-04440
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41	12/27/2023 12:57	KH NELAC-NY10854,NJDEP-CT005,PADEP-68-04440
541-73-1	1,3-Dichlorobenzene	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41	12/27/2023 12:57	KH NELAC-NY10854,PADEP-68-04440
106-46-7	1,4-Dichlorobenzene	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41	12/27/2023 12:57	KH NELAC-NY10854,PADEP-68-04440
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41	12/27/2023 12:57	KH NELAC-NY10854,NJDEP-CT005,PADEP-68-04440
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41	12/27/2023 12:57	KH CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41	12/27/2023 12:57	KH CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
120-83-2	2,4-Dichlorophenol	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41	12/27/2023 12:57	KH CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
105-67-9	2,4-Dimethylphenol	ND	ICVE	ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41	12/27/2023 12:57	KH CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
51-28-5	2,4-Dinitrophenol	ND	CAL-E	ug/kg	28300000	94300000	100	EPA 8270D Certifications:	12/22/2023 08:41	12/27/2023 12:57	KH CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
121-14-2	2,4-Dinitrotoluene	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41	12/27/2023 12:57	KH CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
606-20-2	2,6-Dinitrotoluene	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41	12/27/2023 12:57	KH CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
91-58-7	2-Chloronaphthalene	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41	12/27/2023 12:57	KH CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
95-57-8	2-Chlorophenol	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41	12/27/2023 12:57	KH CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
91-57-6	2-Methylnaphthalene	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41	12/27/2023 12:57	KH CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
95-48-7	2-Methylphenol	ND	ICVE	ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41	12/27/2023 12:57	KH CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
88-74-4	2-Nitroaniline	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41	12/27/2023 12:57	KH CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
88-75-5	2-Nitrophenol	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41	12/27/2023 12:57	KH CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044

Sample Information

Client Sample ID: **Danskammer AC line oil** **York Sample ID:** **23L1216-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23L1216	7243A/7244A Danskammer AC/DC line oil	Oil	December 15, 2023 10:00 am	12/18/2023

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: Waste Dilution

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
65794-96-9	3- & 4-Methylphenols	ND	ICVE	ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 12:57	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg	28300000	94300000	100	EPA 8270D Certifications:	12/22/2023 08:41 NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	12/27/2023 12:57	KH
99-09-2	3-Nitroaniline	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 12:57	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg	28300000	94300000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 12:57	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 12:57	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 12:57	KH
106-47-8	4-Chloroaniline	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 12:57	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 12:57	KH
100-01-6	4-Nitroaniline	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 12:57	KH
100-02-7	4-Nitrophenol	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 12:57	KH
83-32-9	Acenaphthene	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 12:57	KH
208-96-8	Acenaphthylene	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 12:57	KH
98-86-2	Acetophenone	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41 NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	12/27/2023 12:57	KH
62-53-3	Aniline	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41 NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	12/27/2023 12:57	KH
120-12-7	Anthracene	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 12:57	KH
1912-24-9	Atrazine	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41 NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	12/27/2023 12:57	KH
100-52-7	Benzaldehyde	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41 NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	12/27/2023 12:57	KH
92-87-5	Benzidine	ND		ug/kg	14200000	94300000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,PADEP-68-04440	12/27/2023 12:57	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 12:57	KH

Sample Information

Client Sample ID: **Danskammer AC line oil** **York Sample ID:** **23L1216-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23L1216	7243A/7244A Danskammer AC/DC line oil	Oil	December 15, 2023 10:00 am	12/18/2023

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: Waste Dilution

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 12:57	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 12:57	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 12:57	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 12:57	KH
65-85-0	Benzoic acid	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41 NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	12/27/2023 12:57	KH
100-51-6	Benzyl alcohol	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41 NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	12/27/2023 12:57	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 12:57	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 12:57	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 12:57	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND	CCVE	ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 12:57	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 12:57	KH
105-60-2	Caprolactam	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41 NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	12/27/2023 12:57	KH
86-74-8	Carbazole	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 12:57	KH
218-01-9	Chrysene	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 12:57	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 12:57	KH
132-64-9	Dibenzofuran	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 12:57	KH
84-66-2	Diethyl phthalate	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 12:57	KH
131-11-3	Dimethyl phthalate	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 12:57	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 12:57	KH

Sample Information

Client Sample ID: **Danskammer AC line oil** **York Sample ID:** **23L1216-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23L1216	7243A/7244A Danskammer AC/DC line oil	Oil	December 15, 2023 10:00 am	12/18/2023

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: Waste Dilution

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
117-84-0	Di-n-octyl phthalate	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 12:57	KH
206-44-0	Fluoranthene	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 12:57	KH
86-73-7	Fluorene	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41 NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	12/27/2023 12:57	KH
118-74-1	Hexachlorobenzene	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 12:57	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 12:57	KH
77-47-4	Hexachlorocyclopentadiene	ND	CAL-E, CCVE, ICVE	ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 12:57	KH
67-72-1	Hexachloroethane	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 12:57	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 12:57	KH
78-59-1	Isophorone	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 12:57	KH
91-20-3	Naphthalene	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 12:57	KH
98-95-3	Nitrobenzene	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 12:57	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 12:57	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 12:57	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 12:57	KH
87-86-5	Pentachlorophenol	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 12:57	KH
85-01-8	Phenanthrene	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 12:57	KH
108-95-2	Phenol	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 12:57	KH
129-00-0	Pyrene	ND		ug/kg	14200000	47200000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 12:57	KH

	Surrogate Recoveries	Result		Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*%*	S-08	*10-95*

Sample Information

Client Sample ID: **Danskammer AC line oil** **York Sample ID:** **23L1216-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23L1216	7243A/7244A Danskammer AC/DC line oil	Oil	December 15, 2023 10:00 am	12/18/2023

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: Waste Dilution

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13127-88-3	*Surrogate: SURR: Phenol-d6*	*680 %*	S-08		*10-107*						
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*%*	S-08		*10-95*						
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*%*	S-08		*10-97*						
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*%*	S-08		*10-103*						
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*%*	S-08		*19-99*						

Polychlorinated Biphenyls (PCB)

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: Oil Preparation for GC

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg	4.57	1	EPA 8082A Certifications: CTDOH-PH-0723,NELAC-NY10854	12/21/2023 17:00	12/22/2023 15:59	BCJ
11104-28-2	Aroclor 1221	ND		mg/kg	4.57	1	EPA 8082A Certifications: CTDOH-PH-0723,NELAC-NY10854	12/21/2023 17:00	12/22/2023 15:59	BCJ
11141-16-5	Aroclor 1232	ND		mg/kg	4.57	1	EPA 8082A Certifications: CTDOH-PH-0723,NELAC-NY10854	12/21/2023 17:00	12/22/2023 15:59	BCJ
53469-21-9	Aroclor 1242	ND		mg/kg	4.57	1	EPA 8082A Certifications: CTDOH-PH-0723,NELAC-NY10854	12/21/2023 17:00	12/22/2023 15:59	BCJ
12672-29-6	Aroclor 1248	ND		mg/kg	4.57	1	EPA 8082A Certifications: CTDOH-PH-0723,NELAC-NY10854	12/21/2023 17:00	12/22/2023 15:59	BCJ
11097-69-1	Aroclor 1254	ND		mg/kg	4.57	1	EPA 8082A Certifications: CTDOH-PH-0723,NELAC-NY10854	12/21/2023 17:00	12/22/2023 15:59	BCJ
11096-82-5	Aroclor 1260	ND		mg/kg	4.57	1	EPA 8082A Certifications: CTDOH-PH-0723,NELAC-NY10854	12/21/2023 17:00	12/22/2023 15:59	BCJ
1336-36-3	* Total PCBs	ND		mg/kg	4.57	1	EPA 8082A Certifications:	12/21/2023 17:00	12/22/2023 15:59	BCJ

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*88.5 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*48.0 %*	*30-150*

Petroleum Identification

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: Oil Preparation for GC

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Petroleum Identification	Sun Cable Oil #6		ID only		1	EPA 8015D Certifications:	12/21/2023 14:18	12/21/2023 19:18	GXB

Sample Information

Client Sample ID: **Danskammer DC line oil** **York Sample ID:** **23L1216-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23L1216	7243A/7244A Danskammer AC/DC line oil	Oil	December 15, 2023 10:00 am	12/18/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: Waste Dilution VOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SKF
71-55-6	1,1,1-Trichloroethane	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SKF
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SKF
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SKF
79-00-5	1,1,2-Trichloroethane	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SKF
75-34-3	1,1-Dichloroethane	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SKF
75-35-4	1,1-Dichloroethylene	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SKF
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	SKF
96-18-4	1,2,3-Trichloropropane	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	SKF
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	SKF
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SKF
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SKF
106-93-4	1,2-Dibromoethane	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SKF
95-50-1	1,2-Dichlorobenzene	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SKF
107-06-2	1,2-Dichloroethane	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SKF
78-87-5	1,2-Dichloropropane	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SKF
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SKF
541-73-1	1,3-Dichlorobenzene	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SKF

Sample Information

Client Sample ID: **Danskammer DC line oil** **York Sample ID:** **23L1216-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23L1216	7243A/7244A Danskammer AC/DC line oil	Oil	December 15, 2023 10:00 am	12/18/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: Waste Dilution VOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
123-91-1	1,4-Dioxane	ND	ICVE	ug/kg	100000	200000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17	SKF NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
78-93-3	2-Butanone	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
591-78-6	2-Hexanone	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
108-10-1	4-Methyl-2-pentanone	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
67-64-1	Acetone	ND	ICVE	ug/kg	10000	20000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
107-02-8	Acrolein	ND		ug/kg	10000	20000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
107-13-1	Acrylonitrile	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
71-43-2	Benzene	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
74-97-5	Bromochloromethane	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17	SKF NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
75-27-4	Bromodichloromethane	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
75-25-2	Bromoform	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
74-83-9	Bromomethane	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
75-15-0	Carbon disulfide	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
56-23-5	Carbon tetrachloride	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
108-90-7	Chlorobenzene	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
75-00-3	Chloroethane	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
67-66-3	Chloroform	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
74-87-3	Chloromethane	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT

Sample Information

Client Sample ID: **Danskammer DC line oil** **York Sample ID:** **23L1216-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23L1216	7243A/7244A Danskammer AC/DC line oil	Oil	December 15, 2023 10:00 am	12/18/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: Waste Dilution VOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
110-82-7	Cyclohexane	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17	SKF NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
124-48-1	Dibromochloromethane	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17	SKF NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
74-95-3	Dibromomethane	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17	SKF NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
75-71-8	Dichlorodifluoromethane	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17	SKF NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
100-41-4	Ethyl Benzene	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
87-68-3	Hexachlorobutadiene	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17	SKF NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
98-82-8	Isopropylbenzene	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
79-20-9	Methyl acetate	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17	SKF NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
108-87-2	Methylcyclohexane	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17	SKF NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
75-09-2	Methylene chloride	ND		ug/kg	5000	20000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
104-51-8	n-Butylbenzene	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
103-65-1	n-Propylbenzene	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
95-47-6	o-Xylene	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68
179601-23-1	p- & m- Xylenes	ND		ug/kg	10000	20000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68
99-87-6	p-Isopropyltoluene	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
135-98-8	sec-Butylbenzene	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17	SKF CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT

Sample Information

Client Sample ID: **Danskammer DC line oil** **York Sample ID:** **23L1216-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23L1216	7243A/7244A Danskammer AC/DC line oil	Oil	December 15, 2023 10:00 am	12/18/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: Waste Dilution VOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-42-5	Styrene	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SKF
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	SKF
98-06-6	tert-Butylbenzene	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SKF
127-18-4	Tetrachloroethylene	ND	QL-02	ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SKF
108-88-3	Toluene	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SKF
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SKF
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SKF
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17 CTDOH-PH-0723	SKF
79-01-6	Trichloroethylene	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SKF
75-69-4	Trichlorofluoromethane	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SKF
75-01-4	Vinyl Chloride	ND		ug/kg	5000	10000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SKF
1330-20-7	Xylenes, Total	ND		ug/kg	15000	30000	2000	EPA 8260D Certifications:	12/21/2023 09:00	12/21/2023 19:17 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SKF

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*99.8 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.6 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*101 %*	*76-130*

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: Waste Dilution

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41	12/27/2023 13:33 NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41	12/27/2023 13:33 NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	KH

Sample Information

Client Sample ID: **Danskammer DC line oil** **York Sample ID:** **23L1216-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23L1216	7243A/7244A Danskammer AC/DC line oil	Oil	December 15, 2023 10:00 am	12/18/2023

Semi-Volatiles, 8270 - Comprehensive **Log-in Notes:** VOA-CONT **Sample Notes:**

Sample Prepared by Method: Waste Dilution

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41	12/27/2023 13:33	KH CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
95-50-1	1,2-Dichlorobenzene	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41	12/27/2023 13:33	KH NELAC-NY10854,PADEP-68-04440
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41	12/27/2023 13:33	KH NELAC-NY10854,NJDEP-CT005,PADEP-68-04440
541-73-1	1,3-Dichlorobenzene	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41	12/27/2023 13:33	KH NELAC-NY10854,PADEP-68-04440
106-46-7	1,4-Dichlorobenzene	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41	12/27/2023 13:33	KH NELAC-NY10854,PADEP-68-04440
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41	12/27/2023 13:33	KH NELAC-NY10854,NJDEP-CT005,PADEP-68-04440
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41	12/27/2023 13:33	KH CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41	12/27/2023 13:33	KH CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
120-83-2	2,4-Dichlorophenol	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41	12/27/2023 13:33	KH CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
105-67-9	2,4-Dimethylphenol	ND	ICVE	ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41	12/27/2023 13:33	KH CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
51-28-5	2,4-Dinitrophenol	ND	CAL-E	ug/kg	27500000	91800000	100	EPA 8270D Certifications:	12/22/2023 08:41	12/27/2023 13:33	KH CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
121-14-2	2,4-Dinitrotoluene	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41	12/27/2023 13:33	KH CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
606-20-2	2,6-Dinitrotoluene	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41	12/27/2023 13:33	KH CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
91-58-7	2-Chloronaphthalene	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41	12/27/2023 13:33	KH CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
95-57-8	2-Chlorophenol	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41	12/27/2023 13:33	KH CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
91-57-6	2-Methylnaphthalene	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41	12/27/2023 13:33	KH CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
95-48-7	2-Methylphenol	ND	ICVE	ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41	12/27/2023 13:33	KH CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
88-74-4	2-Nitroaniline	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41	12/27/2023 13:33	KH CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
88-75-5	2-Nitrophenol	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41	12/27/2023 13:33	KH CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044

Sample Information

Client Sample ID: **Danskammer DC line oil** **York Sample ID:** **23L1216-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23L1216	7243A/7244A Danskammer AC/DC line oil	Oil	December 15, 2023 10:00 am	12/18/2023

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: Waste Dilution

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
65794-96-9	3- & 4-Methylphenols	ND	ICVE	ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 13:33	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg	27500000	91800000	100	EPA 8270D Certifications:	12/22/2023 08:41 NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	12/27/2023 13:33	KH
99-09-2	3-Nitroaniline	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 13:33	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg	27500000	91800000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 13:33	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 13:33	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 13:33	KH
106-47-8	4-Chloroaniline	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 13:33	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 13:33	KH
100-01-6	4-Nitroaniline	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 13:33	KH
100-02-7	4-Nitrophenol	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 13:33	KH
83-32-9	Acenaphthene	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 13:33	KH
208-96-8	Acenaphthylene	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 13:33	KH
98-86-2	Acetophenone	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41 NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	12/27/2023 13:33	KH
62-53-3	Aniline	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41 NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	12/27/2023 13:33	KH
120-12-7	Anthracene	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 13:33	KH
1912-24-9	Atrazine	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41 NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	12/27/2023 13:33	KH
100-52-7	Benzaldehyde	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41 NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	12/27/2023 13:33	KH
92-87-5	Benzidine	ND		ug/kg	13800000	91800000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,PADEP-68-04440	12/27/2023 13:33	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 13:33	KH

Sample Information

Client Sample ID: **Danskammer DC line oil** **York Sample ID:** **23L1216-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23L1216	7243A/7244A Danskammer AC/DC line oil	Oil	December 15, 2023 10:00 am	12/18/2023

Semi-Volatiles, 8270 - Comprehensive **Log-in Notes:** VOA-CONT **Sample Notes:**

Sample Prepared by Method: Waste Dilution

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 13:33	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 13:33	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 13:33	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 13:33	KH
65-85-0	Benzoic acid	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41 NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	12/27/2023 13:33	KH
100-51-6	Benzyl alcohol	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41 NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	12/27/2023 13:33	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 13:33	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 13:33	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 13:33	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND	CCVE	ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 13:33	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 13:33	KH
105-60-2	Caprolactam	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41 NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	12/27/2023 13:33	KH
86-74-8	Carbazole	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 13:33	KH
218-01-9	Chrysene	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 13:33	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 13:33	KH
132-64-9	Dibenzofuran	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 13:33	KH
84-66-2	Diethyl phthalate	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 13:33	KH
131-11-3	Dimethyl phthalate	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 13:33	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 13:33	KH

Sample Information

Client Sample ID: **Danskammer DC line oil** **York Sample ID:** **23L1216-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23L1216	7243A/7244A Danskammer AC/DC line oil	Oil	December 15, 2023 10:00 am	12/18/2023

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: Waste Dilution

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
117-84-0	Di-n-octyl phthalate	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 13:33	KH
206-44-0	Fluoranthene	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 13:33	KH
86-73-7	Fluorene	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41 NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	12/27/2023 13:33	KH
118-74-1	Hexachlorobenzene	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 13:33	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 13:33	KH
77-47-4	Hexachlorocyclopentadiene	ND	CAL-E, CCVE, ICVE	ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 13:33	KH
67-72-1	Hexachloroethane	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 13:33	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 13:33	KH
78-59-1	Isophorone	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 13:33	KH
91-20-3	Naphthalene	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 13:33	KH
98-95-3	Nitrobenzene	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 13:33	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 13:33	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 13:33	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 13:33	KH
87-86-5	Pentachlorophenol	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 13:33	KH
85-01-8	Phenanthrene	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 13:33	KH
108-95-2	Phenol	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 13:33	KH
129-00-0	Pyrene	ND		ug/kg	13800000	45900000	100	EPA 8270D Certifications:	12/22/2023 08:41 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/27/2023 13:33	KH

	Surrogate Recoveries	Result		Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*%*	S-08	*10-95*

Sample Information

Client Sample ID: **Danskammer DC line oil** **York Sample ID:** **23L1216-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23L1216	7243A/7244A Danskammer AC/DC line oil	Oil	December 15, 2023 10:00 am	12/18/2023

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: Waste Dilution

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13127-88-3	*Surrogate: SURR: Phenol-d6*	*680 %*	S-08		*10-107*						
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*%*	S-08		*10-95*						
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*%*	S-08		*10-97*						
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*%*	S-08		*10-103*						
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*%*	S-08		*19-99*						

Polychlorinated Biphenyls (PCB)

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: Oil Preparation for GC

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg	4.15	1	EPA 8082A Certifications: CTDOH-PH-0723,NELAC-NY10854	12/21/2023 17:00	12/22/2023 16:13	BCJ
11104-28-2	Aroclor 1221	ND		mg/kg	4.15	1	EPA 8082A Certifications: CTDOH-PH-0723,NELAC-NY10854	12/21/2023 17:00	12/22/2023 16:13	BCJ
11141-16-5	Aroclor 1232	ND		mg/kg	4.15	1	EPA 8082A Certifications: CTDOH-PH-0723,NELAC-NY10854	12/21/2023 17:00	12/22/2023 16:13	BCJ
53469-21-9	Aroclor 1242	ND		mg/kg	4.15	1	EPA 8082A Certifications: CTDOH-PH-0723,NELAC-NY10854	12/21/2023 17:00	12/22/2023 16:13	BCJ
12672-29-6	Aroclor 1248	ND		mg/kg	4.15	1	EPA 8082A Certifications: CTDOH-PH-0723,NELAC-NY10854	12/21/2023 17:00	12/22/2023 16:13	BCJ
11097-69-1	Aroclor 1254	ND		mg/kg	4.15	1	EPA 8082A Certifications: CTDOH-PH-0723,NELAC-NY10854	12/21/2023 17:00	12/22/2023 16:13	BCJ
11096-82-5	Aroclor 1260	ND		mg/kg	4.15	1	EPA 8082A Certifications: CTDOH-PH-0723,NELAC-NY10854	12/21/2023 17:00	12/22/2023 16:13	BCJ
1336-36-3	* Total PCBs	ND		mg/kg	4.15	1	EPA 8082A Certifications:	12/21/2023 17:00	12/22/2023 16:13	BCJ

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*83.0 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*45.5 %*	*30-150*

Petroleum Identification

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: Oil Preparation for GC

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Petroleum Identification	Sun Cable Oil #6		ID only		1	EPA 8015D Certifications:	12/21/2023 14:18	12/21/2023 19:42	GXB

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
23L1216-01	Danskammer AC line oil	40mL 01_Clear Vial Cool to 4° C
23L1216-02	Danskammer DC line oil	40mL 01_Clear Vial Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

VOA-CONT	Non-Compliant - the container(s) provided by the client for soil volatiles do not meet the requirements of EPA SW846-5035A. Results reported below 200 ug/kg may be biased low due to samples not being collected according to EPA SW846 5035A requirements.
S-08	The recovery of this surrogate was outside of QC limits.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
GC-SC	Sun Cable Oil #6
CCVE	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
CAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon current NELAC/TNI Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

York Analytical Laboratories, Inc.
120 Research Drive 132-02 89th Ave
Stratford, CT 06615 Queens, NY 11418
clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 23L1216

Page _____ of _____

YOUR Information	Report To:	Invoice To:
Company: Central Hudson Gas & Electric	Company: Central Hudson Gas & Electric	Company: Central Hudson Gas & Electric
Address: 284 South Avenue, Poughkeepsie, NY 12601	Address: 284 South Avenue, Poughkeepsie, NY 12601	Address: 284 South Avenue, Poughkeepsie, NY 12601
Phone.: 845-486-5641	Phone.: (845) 486-5641	Phone.: (845) 452-2000
Contact: Jesse Gallo	Contact: Jesse Gallo	Contact: ap@cenhud.com
E-mail: jgallo@cenhud.com	E-mail: jgallo@cenhud.com	E-mail: ap@cenhud.com

YOUR Project Number: 7243A/7244A

YOUR Project Name: Danskammer AC/DC line oil

YOUR PO#: Contract 37484

Turn-Around Time

RUSH - Next Day	
RUSH - Two Day	
RUSH - Three Day	
RUSH - Four Day	
Standard (5-7 Day)	X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: Rob Viebrock

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil ⋮ Other

Samples From

New York	X
New Jersey	
Connecticut	
Pennsylvania	
Other	

Report / EDD Type (circle selections)

(Summary Report)	CT RCP	(Standard Excel EDD)
QA Report	CT RCP DQA/DUE	EQuIS (Standard)
NY ASP A Package	NJDEP Reduced	NYSDEC EQuIS
NY ASP B Package	Deliverables	NJDEP SRP HazSite
	NJDKQP	Other:

YORK Reg. Comp.
Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
Danskammer AC line oil	O	12/15/23 @ 1000	Petroleum ID, PCB, VOC 8260, SVOC 8270	Jar - Liter
Danskammer DC line oil	O	12/15/23 @ 1000	Petroleum ID, PCB, VOC 8260, SVOC 8270	Jar

Comments:

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: _____

Special Instruction
Field Filtered _____
Lab to Filter _____

1. Samples Relinquished by / Company: Office 12-18-23 9:40	1. Samples Received by / Company: Chris Cattoni 12-18-23 9:40	2. Samples Relinquished by / Company: Chris Cattoni 12-18-23 15:30
2. Samples Received by / Company: Date/Time	3. Samples Relinquished by / Company: Date/Time	3. Samples Received by / Company: Date/Time
4. Samples Relinquished by / Company: Date/Time	4. Samples Received by / Company: Date/Time	Samples Received in LAB by: 12/18/23 15:30 Date/Time

Temp. Received at Lab: 1.3 Degrees C