February 22, 2024

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

Re: Freeze Pit Investigation Summary Report
CHA Project # 085941.000

Dear Mr. Wolfe,

CHA Consulting, Inc. (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, while CHGE owns the majority of the operating substation infrastructure.

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. Please note that although CHGE's substation is located within the Danskammer Facility, the substation is not currently one of the areas of concern under the RCRA program.

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 will access the HPFF cables via excavating an area approximately 10 feet by 8 feet in size and up to 8 feet deep. These excavations (a.k.a. freeze pits) are necessary to allow access to the HPFF cable for installation of an encasement around the pipe that allows for contact freezing of the fluid.

Prior to this work, CHGE conducted this freeze pit investigation to pre-characterize soil for waste disposal purposes and gain an understanding of what, if any, contamination may be encountered in the freeze pit locations. The AC and DC freeze pits will be located outside of the CHGE substation and on the Danskammer Facility, which is regulated under the NYSDEC RCRA

Program. Figure 1 identifies the location of the freeze pit investigation work and proposed freeze pit locations.

DESCRIPTION OF WORK

The NYSDEC project manager, Oliver Wolfe, was notified of the freeze pit investigation work via email on December 4, 2023. This letter documents the exploratory activities in the proposed freeze pit locations performed on January 4, 2024. Mr. Wolfe was onsite during the January 4, 2024 work.

Prior to the intrusive activities, CHA set up two air monitoring stations, one upwind and one downwind of the working area, to monitor air quality during completion of the excavation activities. Each monitoring station contained a photoionization detector (PID) to monitor volatile organic vapors in parts per million (ppm) and a DustTrak™ particulate monitor capable of monitoring particulate matter less than 10 microns (PM-10). No dust or organic vapor exceedances of the action level (0.150 mg/m^3 PM-10 or 5 ppm volatile organic vapors over the upwind station) at the downwind air monitoring station were noted during the excavation activities.

CHA contracted Cascade Remediation Services (Cascade) to install up to two soil borings via direct push technology in each of the AC and DC proposed freeze pit excavations. Upon arrival, technical difficulties with the Geoprobe 6610 DT drilling rig prohibited Cascade from conducting this work. Therefore, Nova Contracting (Nova) mobilized a mini excavator and performed one test pit within each of the proposed AC and DC freeze pit excavations.

Environmental oversight and sampling activities were performed by CHA. The following field observations and PID readings were taken by CHA as soil was removed from each test pit.

AC Line Freeze Pit Investigation

- Asphalt was approximately 0.3 feet thick.
- Coarse gravel fill material was extended to 0.6 feet below ground surface (bgs).
- A brown sand and gravel material fill material was present to 2 feet bgs.
- Beneath the brown fill material, a gray mixture of sand and gravel was present to the final test pit depth of 6 feet bgs. Trace amounts of crushed brick were identified throughout this material.
- No elevated PID readings were detected from the soils.
- Groundwater seepage was observed at approximately 4.5 to 5 feet bgs.

DC Line Freeze Pit Investigation

- Asphalt was approximately 0.3 feet thick.
- Coarse gravel fill material was extended to 0.5 feet bgs.
- Beneath the coarse gravel, a black sand and gravel soil was present to the final test pit depth of 6 feet bgs. Petroleum-like odors were noted.
- A maximum PID reading of 63 ppm was identified at 5.5 feet bgs.
- Groundwater seepage into the DC Freeze Pit excavation was substantial and groundwater appeared visually impacted by weathered petroleum.

CHA collected one grab sample of soil at the bottom of each test pit. Following completion of field activities, the samples were submitted under chain-of-custody protocol to Eurofins Environment

Testing Northeast (Eurofins) in Amherst, New York for analysis. The two soil samples were analyzed for the following parameters:

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

Additionally, one waste characterization sample from each location was collected to gather the required information to develop a waste profile in advance of the freeze pit excavation scheduled to begin in Spring 2024. The waste characterization samples were analyzed for the following parameters:

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

Following sampling activities, the excavation was backfilled with the Site soils with the anticipation of removing this soil during freeze pit excavations scheduled to begin in Spring 2024. Temporary re-use of this soil was approved by the NYSDEC on December 9, 2023, via email, providing, re-excavation was planned at a later date (Spring 2024).

ANALYTICAL RESULTS

Analytical results for soil are presented in Table 1. The analytical lab report is included in Attachment 1. VOCs, SVOCs, Pesticides/Herbicides, and PCBs were detected below the Part 375 Commercial Use and Industrial Use Soil Cleanup Objectives (SCOs) in both the AC and DC test pit samples. Arsenic was detected in exceedance of the Part 375 Industrial Use SCO and barium was detected in exceedance of the Part 375 Commercial Use SCO in the DC test pit sample, while all other analyzed metals were below the SCOs. PFAS results were compared to the guidance values provided in NYSDEC's April 2023 Sampling, Analysis, and Assessment of PFAS Under Part 375 Remedial Programs. No PFAS were detected.

Waste characterization results are included in the analytical lab report in Attachment 1. Based on the analytical results, waste soils and are classified as nonhazardous. However, as noted above, the soil in the DC Freeze Pit excavation was visibly impacted by weathered petroleum and not suited for re-use.

FINDINGS

During freeze pit excavations anticipated this spring, CHA recommends the soil excavated from the AC and DC freeze pits be field screened and managed in accordance with the Excavation Work Plan developed for this work activity. Generally, the soil will require segregation for offsite disposal at a non-hazardous waste disposal facility. CHGE intends to backfill the freeze pits with thermal sand. Excavated soils from both freeze pit locations will be disposed of offsite. Clean backfill will be required to restore the excavations.

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

Table 1 – Soil Analytical Results
Figure 1 – Freeze Pit Investigation Locations
Attachment 1 – Analytical Lab Report

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Table & Figure

Table 1

Test Pits for AC and DC Freeze Pit Locations (detected compounds only)

CHGE Danskammer Substation					
			Area	AC Test Pit	DC Test Pit
			Sample ID	AC-TP-1	DC-TP-1
			Date	1/4/2024	1/4/2024
			Depth	6 ft	6 ft
Parameter	Part 375 Commercial SCO	Part 375 Industrial SCO	Units		
Volatile Organic Compounds (VOCs)					
Acetone	500	1,000	mg/kg	0.011 J	ND
Ethylbenzene	390	780	mg/kg	ND	0.037 J
Isopropylbenzene	NS	NS	mg/kg	ND	0.140
Methylcyclohexane	NS	NS	mg/kg	ND	0.160
Toluene	500	1,000	mg/kg	ND	0.03 J
Total Xylenes	500	1,000	mg/kg	ND	0.073 J
Semivolatile Organic Compounds (SVOCs)					
4-Nitroaniline	NS	NS	mg/kg	ND	0.160 J
Acenaphthene	500	1,000	mg/kg	ND	1.1
Acenapthylene	500	1,000	mg/kg	0.047 J	ND
Anthracene	500	1,000	mg/kg	ND	0.56
Benzo(a)anthracene	5.6	11	mg/kg	0.1 J	0.29
Benzo(a)pyrene	1	1.1	mg/kg	0.120 J	0.22 J
Benzo(b)fluoranthene	5.6	11	mg/kg	0.094 J	0.24
Benzo(g,h,i)perylene	500	1,000	mg/kg	0.069 J	0.11
Benzo(k)fluoranthene	56	110	mg/kg	0.061 J	0.14
Chrysene	56	110	mg/kg	0.130 J	0.3
Fluoranthene	500	1,000	mg/kg	ND	1.0
Fluorene	500	1,000	mg/kg	ND	2.0
Indeno(1,2,3-cd)pyrene	5.6	11	mg/kg	ND	0.098 J
Phenanthrene	500	1,000	mg/kg	0.250	2.5
Polychlorinated Biphenyls (PCBs_					
Aroclor 1254	NS	NS	mg/kg	ND	0.15 J
Total PCBs	1	25	mg/kg		0.15 J
Pesticides/Herbicides					
4,4'-DDT	47	94	mg/kg	ND	0.0016 J
4,4'-DDD	92	180	mg/kg	0.00094 J	0.0027
4,4'-DDE	62	120	mg/kg	ND	0.0018 J
beta-BHC	3	14	mg/kg	ND	0.0025
delta-BHC	500	1,000	mg/kg	ND	0.0008 J
Dieldrin	1.4	2.8	mg/kg	ND	0.00082 J
Metals					
Arsenic	16	16	mg/kg	8	41.8
Barium	400	10,000	mg/kg	65.5 F2	418
Cadmium	9.3	60	mg/kg	0.47	ND
Total Chromium	1,500	6,800	mg/kg	14.3	17.6
Lead	1,000	3,900	mg/kg	23.4 F2	14.6
Mercury	2.8	5.7	mg/kg	0.027	0.042
Selenium	1,500	6,800	mg/kg	0.73 J	0.96 J
PFAS	Guidance Value*	Guidance Value*			
No Detections	500	600	ug/kg		

SCO - Soil Cleanup Objective

ND - Parameter not detected

NS - No established SCO

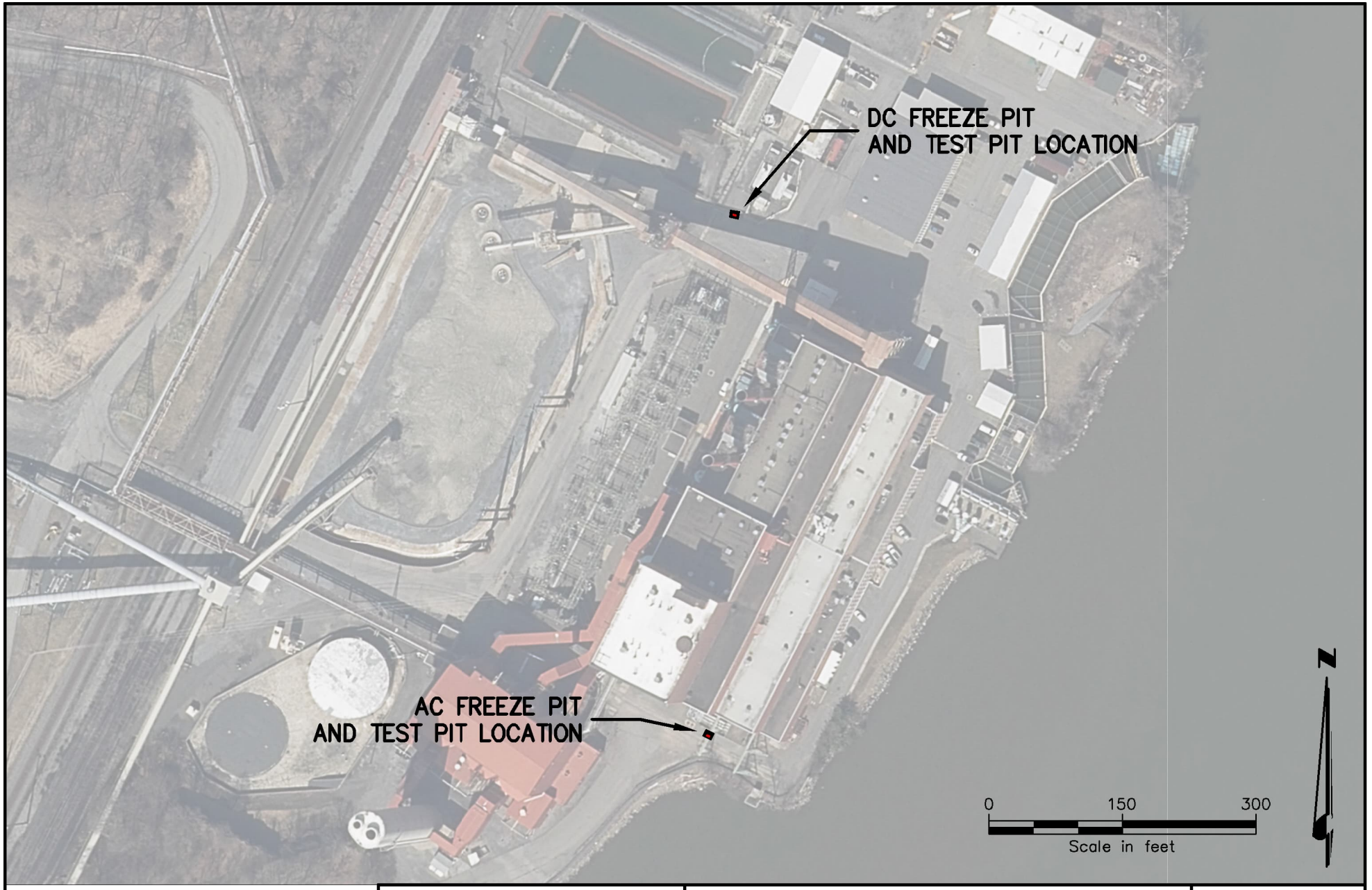
J - Estimated concentration; above method detection limit, but below laboratory reporting limit

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 Part 375 Remedial Programs

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FREEZE PIT INVESTIGATION

DANSKAMMER PROPERTY
CHGE SUBSTATION
NEWBURGH, NEW YORK

PROJECT NO. 085941

DATE: 02/2024

FIGURE 1

Attachment 1
Analytical Lab Reports

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Julia Craner
CHA Inc
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Albany, New York 12205-0269

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JOB DESCRIPTION

CHGE Danskammer - Freeze Pit

JOB NUMBER

480-216227-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

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Job Notes

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

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Authorization



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Definitions/Glossary

Client: CHA Inc
Job ID: 480-216227-1
Project/Site: CHGE Danskammer - Freeze Pit

Qualifiers

GC/MS 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.

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, high biased.

GC 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.

Metals

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

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)
RPD	Relative Percent Difference, a measure of the relative difference between two points

Glossary (Continued)

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

Job Narrative
480-216227-1

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

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

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

Receipt
The samples were received on 1/6/2024 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 2 coolers at receipt time were 2.5º C and 3.0º C.

GC/MS VOA
Method 8260C: The following sample was analyzed using medium level soil analysis due to the nature of the sample matrix: DC-TP-1 (480-216227-3). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were diluted due to the nature of the TCLP matrix: AC-WASTE CHAR. (480-216227-2), DC-WASTE CHAR. (480-216227-4) and (LB 480-697479/1-A). Elevated reporting limits (RLs) are provided.

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

GC/MS Semi VOA
Method 8270D: The continuing calibration verification (CCV) associated with batch 480-697453 recovered above the upper control limit for 2,4-Dinitrophenol and 4,6-Dinitro-2-methylphenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: AC-TP-1 (480-216227-1) and DC-TP-1 (480-216227-3).

Method 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: DC-TP-1 (480-216227-3). These results have been reported and qualified.

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-697733 recovered above the upper control limit for Hexachlorobutadiene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: AC-WASTE CHAR. (480-216227-2) and DC-WASTE CHAR. (480-216227-4).

Method 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: (LCS 480-697633/2-A) and (LCSD 480-697633/3-A). These results have been reported and qualified.

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

GC Semi VOA
Method 8151A: Surrogate recovery for the following samples were outside control limits: AC-WASTE CHAR. (480-216227-2) and DC-WASTE CHAR. (480-216227-4). This is routine for TCLP herbicides, due to the pH effects created during the leaching process, inhibiting the herbicide derivatization of the free acid components.

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

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

General Chemistry

Job ID: 480-216227-1 (Continued) Eurofins Buffalo

Method 9045D: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following samples has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: AC-WASTE CHAR. (480-216227-2) and DC-WASTE CHAR. (480-216227-4).

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

Organic Prep
Method 3550C: The following samples: AC-TP-1 (480-216227-1) and DC-TP-1 (480-216227-3) was decanted prior to preparation .

Method 3550C: The following samples: AC-TP-1 (480-216227-1) and DC-TP-1 (480-216227-3) was decanted prior to preparation.

Method 3550C: The following samples: AC-TP-1 (480-216227-1), DC-TP-1 (480-216227-3), DC-WASTE CHAR. (480-216227-4), (480-216227-E-1 MS) and (480-216227-E-1 MSD) was decanted prior to preparation.

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: 480-216227-1
Project/Site: CHGE Danskammer - Freeze Pit

Client Sample ID: AC-TP-1 — Lab Sample ID: 480-216227-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	11	J	19	3.1	ug/Kg	1	☼	8260C	Total/NA
Acenaphthylene	47	J	200	26	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	100	J	200	20	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	120	J	200	29	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	94	J	200	32	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	69	J	200	21	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	61	J	200	26	ug/Kg	1	☼	8270D	Total/NA
Chrysene	130	J	200	45	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	190	J	200	21	ug/Kg	1	☼	8270D	Total/NA
Fluorene	29	J	200	24	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	46	J	200	25	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	130	J	200	29	ug/Kg	1	☼	8270D	Total/NA
Pyrene	250		200	24	ug/Kg	1	☼	8270D	Total/NA
4,4'-DDT	0.94	J	1.9	0.45	ug/Kg	1	☼	8081B	Total/NA
Arsenic	8.0		2.4	0.49	mg/Kg	1	☼	6010C	Total/NA
Barium	65.5	F1 F2	0.61	0.13	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.47		0.24	0.037	mg/Kg	1	☼	6010C	Total/NA
Chromium	14.3		0.61	0.24	mg/Kg	1	☼	6010C	Total/NA
Lead	23.4	F1 F2	1.2	0.29	mg/Kg	1	☼	6010C	Total/NA
Selenium	0.73	J	4.9	0.49	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.027		0.024	0.0056	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: AC-WASTE CHAR. — Lab Sample ID: 480-216227-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2,4-D	0.00044	J	0.0020	0.00040	mg/L	1		8151	TCLP
Barium	0.47	J	1.0	0.10	mg/L	1		6010C	TCLP
Cadmium	0.0015	J	0.0020	0.00050	mg/L	1		6010C	TCLP
Lead	0.012	J	0.020	0.0030	mg/L	1		6010C	TCLP
Mercury	0.000078	J B	0.00020	0.000043	mg/L	1		7470A	TCLP
Flashpoint	>180		50.0	50.0	Degrees F	1		1010A	Total/NA
Sulfide, Reactive	18.5		9.2	9.2	mg/Kg	1		9034	Total/NA
pH	8.3	HF	0.1	0.1	SU	1		9045D	Total/NA
Temperature	8.3	HF	0.001	0.001	Degrees C	1		9045D	Total/NA

Client Sample ID: DC-TP-1 — Lab Sample ID: 480-216227-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	37	J	64	19	ug/Kg	1	☼	8260C	Total/NA
Isopropylbenzene	140		64	9.7	ug/Kg	1	☼	8260C	Total/NA
Methylcyclohexane	160		64	30	ug/Kg	1	☼	8260C	Total/NA
Toluene	30	J	64	17	ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	73	J	130	36	ug/Kg	1	☼	8260C	Total/NA
4-Nitroaniline	160	J	450	120	ug/Kg	1	☼	8270D	Total/NA
Acenaphthene	1100		230	34	ug/Kg	1	☼	8270D	Total/NA
Anthracene	560		230	57	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	290		230	23	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	220	J	230	34	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	240		230	37	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	110	J	230	24	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	140	J	230	30	ug/Kg	1	☼	8270D	Total/NA
Chrysene	300		230	52	ug/Kg	1	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample ID: DC-TP-1 (Continued)
Lab Sample ID: 480-216227-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoranthene	1000		230	24	ug/Kg	1	☼	8270D	Total/NA
Fluorene	2000		230	27	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	98	J	230	28	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	2500		230	34	ug/Kg	1	☼	8270D	Total/NA
4,4'-DDD	2.7		2.3	0.44	ug/Kg	1	☼	8081B	Total/NA
4,4'-DDE	1.8	J	2.3	0.47	ug/Kg	1	☼	8081B	Total/NA
4,4'-DDT	1.6	J	2.3	0.53	ug/Kg	1	☼	8081B	Total/NA
beta-BHC	2.5		2.3	0.40	ug/Kg	1	☼	8081B	Total/NA
delta-BHC	0.80	J	2.3	0.42	ug/Kg	1	☼	8081B	Total/NA
Dieldrin	0.82	J	2.3	0.54	ug/Kg	1	☼	8081B	Total/NA
PCB-1254	0.15	J	0.31	0.14	mg/Kg	1	☼	8082A	Total/NA
Arsenic	41.8		2.8	0.57	mg/Kg	1	☼	6010C	Total/NA
Barium	418		0.71	0.16	mg/Kg	1	☼	6010C	Total/NA
Chromium	17.6		0.71	0.28	mg/Kg	1	☼	6010C	Total/NA
Lead	14.6		1.4	0.34	mg/Kg	1	☼	6010C	Total/NA
Selenium	0.96	J	5.7	0.57	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.042		0.028	0.0064	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: DC-WASTE CHAR.
Lab Sample ID: 480-216227-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2,4-D	0.00045	J	0.0020	0.00040	mg/L	1		8151	TCLP
Arsenic	0.071		0.015	0.0056	mg/L	1		6010C	TCLP
Barium	1.2		1.0	0.10	mg/L	1		6010C	TCLP
Lead	0.018	J	0.020	0.0030	mg/L	1		6010C	TCLP
Mercury	0.000067	J B	0.00020	0.000043	mg/L	1		7470A	TCLP
Flashpoint	>180		50.0	50.0	Degrees F	1		1010A	Total/NA
Sulfide, Reactive	194		9.7	9.7	mg/Kg	1		9034	Total/NA
pH	8.2	HF	0.1	0.1	SU	1		9045D	Total/NA
Temperature	8.2	HF	0.001	0.001	Degrees C	1		9045D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: AC-TP-1
Lab Sample ID: 480-216227-1
Date Collected: 01/04/24 13:00
Matrix: Solid
Date Received: 01/06/24 09:00
Percent Solids: 84.7

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		3.7	0.27	ug/Kg	☼	01/06/24 12:00	01/10/24 23:27	1
1,1,2,2-Tetrachloroethane	ND		3.7	0.60	ug/Kg	☼	01/06/24 12:00	01/10/24 23:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.7	0.85	ug/Kg	☼	01/06/24 12:00	01/10/24 23:27	1
1,1,2-Trichloroethane	ND		3.7	0.48	ug/Kg	☼	01/06/24 12:00	01/10/24 23:27	1
1,1-Dichloroethane	ND		3.7	0.45	ug/Kg	☼	01/06/24 12:00	01/10/24 23:27	1
1,1-Dichloroethene	ND		3.7	0.45	ug/Kg	☼	01/06/24 12:00	01/10/24 23:27	1
1,2,4-Trichlorobenzene	ND		3.7	0.23	ug/Kg	☼	01/06/24 12:00	01/10/24 23:27	1
1,2-Dibromo-3-Chloropropane	ND		3.7	1.9	ug/Kg	☼	01/06/24 12:00	01/10/24 23:27	1
1,2-Dibromoethane	ND		3.7	0.48	ug/Kg	☼	01/06/24 12:00	01/10/24 23:27	1
1,2-Dichlorobenzene	ND		3.7	0.29	ug/Kg	☼	01/06/24 12:00	01/10/24 23:27	1
1,2-Dichloroethane	ND		3.7	0.19	ug/Kg	☼	01/06/24 12:00	01/10/24 23:27	1
1,2-Dichloropropane	ND		3.7	1.9	ug/Kg	☼	01/06/24 12:00	01/10/24 23:27	1
1,3-Dichlorobenzene	ND		3.7	0.19	ug/Kg	☼	01/06/24 12:00	01/10/24 23:27	1
1,4-Dichlorobenzene	ND		3.7	0.52	ug/Kg	☼	01/06/24 12:00	01/10/24 23:27	1
2-Butanone (MEK)	ND		19	1.4	ug/Kg	☼	01/06/24 12:00	01/10/24 23:27	1
2-Hexanone	ND		19	1.9	ug/Kg	☼	01/06/24 12:00	01/10/24 23:27	1
4-Methyl-2-pentanone (MIBK)	ND		19	1.2	ug/Kg	☼	01/06/24 12:00	01/10/24 23:27	1
Acetone	**11**	**J**	19	3.1	ug/Kg	☼	01/06/24 12:00	01/10/24 23:27	1
Benzene	ND		3.7	0.18	ug/Kg	☼	01/06/24 12:00	01/10/24 23:27	1
Bromodichloromethane	ND		3.7	0.50	ug/Kg	☼	01/06/24 12:00	01/10/24 23:27	1
Bromoform	ND		3.7	1.9	ug/Kg	☼	01/06/24 12:00	01/10/24 23:27	1
Bromomethane	ND		3.7	0.33	ug/Kg	☼	01/06/24 12:00	01/10/24 23:27	1
Carbon disulfide	ND		3.7	1.9	ug/Kg	☼	01/06/24 12:00	01/10/24 23:27	1
Carbon tetrachloride	ND		3.7	0.36	ug/Kg	☼	01/06/24 12:00	01/10/24 23:27	1
Chlorobenzene	ND		3.7	0.49	ug/Kg	☼	01/06/24 12:00	01/10/24 23:27	1
Chloroethane	ND		3.7	0.84	ug/Kg	☼	01/06/24 12:00	01/10/24 23:27	1
Chloroform	ND		3.7	0.23	ug/Kg	☼	01/06/24 12:00	01/10/24 23:27	1
Chloromethane	ND		3.7	0.22	ug/Kg	☼	01/06/24 12:00	01/10/24 23:27	1
cis-1,2-Dichloroethene	ND		3.7	0.48	ug/Kg	☼	01/06/24 12:00	01/10/24 23:27	1
cis-1,3-Dichloropropene	ND		3.7	0.54	ug/Kg	☼	01/06/24 12:00	01/10/24 23:27	1
Cyclohexane	ND		3.7	0.52	ug/Kg	☼	01/06/24 12:00	01/10/24 23:27	1
Dibromochloromethane	ND		3.7	0.48	ug/Kg	☼	01/06/24 12:00	01/10/24 23:27	1
Dichlorodifluoromethane	ND		3.7	0.31	ug/Kg	☼	01/06/24 12:00	01/10/24 23:27	1
Ethylbenzene	ND		3.7	0.26	ug/Kg	☼	01/06/24 12:00	01/10/24 23:27	1
Isopropylbenzene	ND		3.7	0.56	ug/Kg	☼	01/06/24 12:00	01/10/24 23:27	1
Methyl acetate	ND		19	2.2	ug/Kg	☼	01/06/24 12:00	01/10/24 23:27	1
Methyl tert-butyl ether	ND		3.7	0.36	ug/Kg	☼	01/06/24 12:00	01/10/24 23:27	1
Methylcyclohexane	ND		3.7	0.56	ug/Kg	☼	01/06/24 12:00	01/10/24 23:27	1
Methylene Chloride	ND		3.7	1.7	ug/Kg	☼	01/06/24 12:00	01/10/24 23:27	1
Styrene	ND		3.7	0.19	ug/Kg	☼	01/06/24 12:00	01/10/24 23:27	1
Tetrachloroethene	ND		3.7	0.50	ug/Kg	☼	01/06/24 12:00	01/10/24 23:27	1
Toluene	ND		3.7	0.28	ug/Kg	☼	01/06/24 12:00	01/10/24 23:27	1
trans-1,2-Dichloroethene	ND		3.7	0.38	ug/Kg	☼	01/06/24 12:00	01/10/24 23:27	1
trans-1,3-Dichloropropene	ND		3.7	1.6	ug/Kg	☼	01/06/24 12:00	01/10/24 23:27	1
Trichloroethene	ND		3.7	0.82	ug/Kg	☼	01/06/24 12:00	01/10/24 23:27	1
Trichlorofluoromethane	ND		3.7	0.35	ug/Kg	☼	01/06/24 12:00	01/10/24 23:27	1
Vinyl chloride	ND		3.7	0.45	ug/Kg	☼	01/06/24 12:00	01/10/24 23:27	1
Xylenes, Total	ND		7.4	0.62	ug/Kg	☼	01/06/24 12:00	01/10/24 23:27	1

Client Sample ID: AC-TP-1
Date Collected: 01/04/24 13:00
Date Received: 01/06/24 09:00

Lab Sample ID: 480-216227-1
Matrix: Solid
Percent Solids: 84.7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*64 - 126*	*01/06/24 12:00*	*01/10/24 23:27*	*1*
4-Bromofluorobenzene (Surr)	*101*		*72 - 126*	*01/06/24 12:00*	*01/10/24 23:27*	*1*
Dibromofluoromethane (Surr)	*100*		*60 - 140*	*01/06/24 12:00*	*01/10/24 23:27*	*1*
Toluene-d8 (Surr)	*105*		*71 - 125*	*01/06/24 12:00*	*01/10/24 23:27*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		120	65	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
2,4,5-Trichlorophenol	ND		200	54	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
2,4,6-Trichlorophenol	ND		200	40	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
2,4-Dichlorophenol	ND		200	21	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
2,4-Dimethylphenol	ND		200	48	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
2,4-Dinitrophenol	ND		2000	920	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
2,4-Dinitrotoluene	ND		200	41	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
2,6-Dinitrotoluene	ND		200	24	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
2-Chloronaphthalene	ND		200	33	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
2-Chlorophenol	ND		390	36	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
2-Methylnaphthalene	ND		200	40	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
2-Methylphenol	ND		200	24	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
2-Nitroaniline	ND		390	29	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
2-Nitrophenol	ND		200	56	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
3,3'-Dichlorobenzidine	ND		390	240	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
3-Nitroaniline	ND		390	55	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
4,6-Dinitro-2-methylphenol	ND		390	200	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
4-Bromophenyl phenyl ether	ND		200	28	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
4-Chloro-3-methylphenol	ND		200	49	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
4-Chloroaniline	ND		200	49	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
4-Chlorophenyl phenyl ether	ND		200	25	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
4-Methylphenol	ND		390	24	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
4-Nitroaniline	ND		390	100	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
4-Nitrophenol	ND		390	140	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
Acenaphthene	ND		200	29	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
Acenaphthylene	**47**	**J**	200	26	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
Acetophenone	ND		200	27	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
Anthracene	ND		200	49	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
Atrazine	ND		200	69	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
Benzaldehyde	ND		200	160	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
Benzo[a]anthracene	**100**	**J**	200	20	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
Benzo[a]pyrene	**120**	**J**	200	29	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
Benzo[b]fluoranthene	**94**	**J**	200	32	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
Benzo[g,h,i]perylene	**69**	**J**	200	21	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
Benzo[k]fluoranthene	**61**	**J**	200	26	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
Biphenyl	ND		200	29	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
bis (2-chloroisopropyl) ether	ND		200	40	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
Bis(2-chloroethoxy)methane	ND		200	42	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
Bis(2-chloroethyl)ether	ND		200	26	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
Bis(2-ethylhexyl) phthalate	ND		200	68	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
Butyl benzyl phthalate	ND		200	33	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
Caprolactam	ND		200	60	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
Carbazole	ND		200	24	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1

Client Sample ID: AC-TP-1
Lab Sample ID: 480-216227-1
Date Collected: 01/04/24 13:00
Matrix: Solid
Date Received: 01/06/24 09:00
Percent Solids: 84.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	**130**	**J**	200	45	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
Dibenz(a,h)anthracene	ND		200	35	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
Dibenzofuran	ND		200	24	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
Diethyl phthalate	ND		200	26	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
Dimethyl phthalate	ND		200	24	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
Di-n-butyl phthalate	ND		200	34	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
Di-n-octyl phthalate	ND		200	24	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
Fluoranthene	**190**	**J**	200	21	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
Fluorene	**29**	**J**	200	24	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
Hexachlorobenzene	ND		200	27	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
Hexachlorobutadiene	ND		200	29	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
Hexachlorocyclopentadiene	ND		200	27	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
Hexachloroethane	ND		200	26	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
Indeno[1,2,3-cd]pyrene	**46**	**J**	200	25	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
Isophorone	ND		200	42	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
Naphthalene	ND		200	26	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
Nitrobenzene	ND		200	22	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
N-Nitrosodi-n-propylamine	ND		200	34	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
N-Nitrosodiphenylamine	ND		200	160	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
Pentachlorophenol	ND		390	200	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
Phenanthrene	**130**	**J**	200	29	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
Phenol	ND		200	31	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1
Pyrene	**250**		200	24	ug/Kg	☼	01/08/24 16:20	01/09/24 15:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*109*		*54 - 120*	*01/08/24 16:20*	*01/09/24 15:39*	*1*
2-Fluorobiphenyl	*98*		*60 - 120*	*01/08/24 16:20*	*01/09/24 15:39*	*1*
2-Fluorophenol	*85*		*52 - 120*	*01/08/24 16:20*	*01/09/24 15:39*	*1*
Nitrobenzene-d5	*91*		*53 - 120*	*01/08/24 16:20*	*01/09/24 15:39*	*1*
Phenol-d5	*90*		*54 - 120*	*01/08/24 16:20*	*01/09/24 15:39*	*1*
p-Terphenyl-d14	*93*		*79 - 130*	*01/08/24 16:20*	*01/09/24 15:39*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.9	0.37	ug/Kg	☼	01/08/24 16:16	01/10/24 11:38	1
4,4'-DDE	ND		1.9	0.40	ug/Kg	☼	01/08/24 16:16	01/10/24 11:38	1
4,4'-DDT	**0.94**	**J**	1.9	0.45	ug/Kg	☼	01/08/24 16:16	01/10/24 11:38	1
Aldrin	ND		1.9	0.47	ug/Kg	☼	01/08/24 16:16	01/10/24 11:38	1
alpha-BHC	ND		1.9	0.34	ug/Kg	☼	01/08/24 16:16	01/10/24 11:38	1
cis-Chlordane	ND		1.9	0.95	ug/Kg	☼	01/08/24 16:16	01/10/24 11:38	1
beta-BHC	ND		1.9	0.34	ug/Kg	☼	01/08/24 16:16	01/10/24 11:38	1
delta-BHC	ND		1.9	0.36	ug/Kg	☼	01/08/24 16:16	01/10/24 11:38	1
Dieldrin	ND		1.9	0.46	ug/Kg	☼	01/08/24 16:16	01/10/24 11:38	1
Endosulfan I	ND		1.9	0.37	ug/Kg	☼	01/08/24 16:16	01/10/24 11:38	1
Endosulfan II	ND		1.9	0.34	ug/Kg	☼	01/08/24 16:16	01/10/24 11:38	1
Endosulfan sulfate	ND		1.9	0.36	ug/Kg	☼	01/08/24 16:16	01/10/24 11:38	1
Endrin	ND		1.9	0.38	ug/Kg	☼	01/08/24 16:16	01/10/24 11:38	1
gamma-BHC (Lindane)	ND		1.9	0.35	ug/Kg	☼	01/08/24 16:16	01/10/24 11:38	1
Heptachlor	ND		1.9	0.41	ug/Kg	☼	01/08/24 16:16	01/10/24 11:38	1

Client Sample ID: AC-TP-1
Lab Sample ID: 480-216227-1

Date Collected: 01/04/24 13:00
Matrix: Solid
Date Received: 01/06/24 09:00
Percent Solids: 84.7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*75*		*45 - 120*	*01/08/24 16:16*	*01/10/24 11:38*	*1*
Tetrachloro-m-xylene	*58*		*30 - 124*	*01/08/24 16:16*	*01/10/24 11:38*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.048	mg/Kg	☼	01/08/24 16:23	01/09/24 14:44	1
PCB-1221	ND		0.25	0.048	mg/Kg	☼	01/08/24 16:23	01/09/24 14:44	1
PCB-1232	ND		0.25	0.048	mg/Kg	☼	01/08/24 16:23	01/09/24 14:44	1
PCB-1242	ND		0.25	0.048	mg/Kg	☼	01/08/24 16:23	01/09/24 14:44	1
PCB-1248	ND		0.25	0.048	mg/Kg	☼	01/08/24 16:23	01/09/24 14:44	1
PCB-1254	ND		0.25	0.11	mg/Kg	☼	01/08/24 16:23	01/09/24 14:44	1
PCB-1260	ND		0.25	0.11	mg/Kg	☼	01/08/24 16:23	01/09/24 14:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*107*		*60 - 154*	*01/08/24 16:23*	*01/09/24 14:44*	*1*
DCB Decachlorobiphenyl	*117*		*65 - 174*	*01/08/24 16:23*	*01/09/24 14:44*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		20	7.0	ug/Kg	☼	01/16/24 07:02	01/22/24 08:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*76*		*28 - 129*	*01/16/24 07:02*	*01/22/24 08:25*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**8.0**		2.4	0.49	mg/Kg	☼	01/08/24 14:29	01/09/24 15:16	1
Barium	**65.5**	**F1 F2**	0.61	0.13	mg/Kg	☼	01/08/24 14:29	01/09/24 15:16	1
Cadmium	**0.47**		0.24	0.037	mg/Kg	☼	01/08/24 14:29	01/09/24 15:16	1
Chromium	**14.3**		0.61	0.24	mg/Kg	☼	01/08/24 14:29	01/09/24 15:16	1
Lead	**23.4**	**F1 F2**	1.2	0.29	mg/Kg	☼	01/08/24 14:29	01/09/24 15:16	1
Selenium	**0.73**	**J**	4.9	0.49	mg/Kg	☼	01/08/24 14:29	01/09/24 15:16	1
Silver	ND		0.73	0.24	mg/Kg	☼	01/08/24 14:29	01/09/24 15:16	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.027**		0.024	0.0056	mg/Kg	☼	01/09/24 11:08	01/09/24 13:24	1

Client Sample ID: AC-WASTE CHAR.
Lab Sample ID: 480-216227-2

Date Collected: 01/04/24 13:15
Matrix: Solid
Date Received: 01/06/24 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			01/10/24 19:12	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			01/10/24 19:12	10
Chlorobenzene	ND		0.010	0.0075	mg/L			01/10/24 19:12	10
Chloroform	ND		0.010	0.0034	mg/L			01/10/24 19:12	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			01/10/24 19:12	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			01/10/24 19:12	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			01/10/24 19:12	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			01/10/24 19:12	10

Client Sample ID: AC-WASTE CHAR.
Lab Sample ID: 480-216227-2

Date Collected: 01/04/24 13:15
Matrix: Solid
Date Received: 01/06/24 09:00

Method: SW846 8260C - TCLP Volatiles - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		0.010	0.0046	mg/L			01/10/24 19:12	10
Vinyl chloride	ND		0.010	0.0090	mg/L			01/10/24 19:12	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*		*01/10/24 19:12*	*10*
Toluene-d8 (Surr)	*98*		*80 - 120*		*01/10/24 19:12*	*10*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*01/10/24 19:12*	*10*
Dibromofluoromethane (Surr)	*94*		*75 - 123*		*01/10/24 19:12*	*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		01/10/24 13:59	01/11/24 16:29	1
2,4-Dinitrotoluene	ND		0.020	0.0017	mg/L		01/10/24 13:59	01/11/24 16:29	1
Hexachlorobenzene	ND		0.020	0.0020	mg/L		01/10/24 13:59	01/11/24 16:29	1
Hexachlorobutadiene	ND		0.020	0.0027	mg/L		01/10/24 13:59	01/11/24 16:29	1
Hexachloroethane	ND		0.020	0.0023	mg/L		01/10/24 13:59	01/11/24 16:29	1
3-Methylphenol	ND		0.040	0.0016	mg/L		01/10/24 13:59	01/11/24 16:29	1
2-Methylphenol	ND		0.020	0.0016	mg/L		01/10/24 13:59	01/11/24 16:29	1
4-Methylphenol	ND		0.040	0.0014	mg/L		01/10/24 13:59	01/11/24 16:29	1
Nitrobenzene	ND		0.020	0.0011	mg/L		01/10/24 13:59	01/11/24 16:29	1
Pentachlorophenol	ND		0.040	0.0088	mg/L		01/10/24 13:59	01/11/24 16:29	1
Pyridine	ND		0.10	0.0016	mg/L		01/10/24 13:59	01/11/24 16:29	1
2,4,5-Trichlorophenol	ND		0.020	0.0019	mg/L		01/10/24 13:59	01/11/24 16:29	1
2,4,6-Trichlorophenol	ND		0.020	0.0024	mg/L		01/10/24 13:59	01/11/24 16:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*115*		*41 - 120*	*01/10/24 13:59*	*01/11/24 16:29*	*1*
2-Fluorobiphenyl	*85*		*48 - 120*	*01/10/24 13:59*	*01/11/24 16:29*	*1*
2-Fluorophenol	*42*		*35 - 120*	*01/10/24 13:59*	*01/11/24 16:29*	*1*
Nitrobenzene-d5	*77*		*46 - 120*	*01/10/24 13:59*	*01/11/24 16:29*	*1*
p-Terphenyl-d14	*82*		*60 - 148*	*01/10/24 13:59*	*01/11/24 16:29*	*1*
Phenol-d5	*32*		*22 - 120*	*01/10/24 13:59*	*01/11/24 16:29*	*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		01/10/24 08:45	01/11/24 12:25	1
Chlordane (technical)	ND		0.0020	0.000029	mg/L		01/10/24 08:45	01/11/24 12:25	1
Endrin	ND		0.00020	0.000014	mg/L		01/10/24 08:45	01/11/24 12:25	1
Heptachlor	ND		0.00020	0.0000085	mg/L		01/10/24 08:45	01/11/24 12:25	1
Heptachlor epoxide	ND		0.00020	0.0000053	mg/L		01/10/24 08:45	01/11/24 12:25	1
Methoxychlor	ND		0.00020	0.000014	mg/L		01/10/24 08:45	01/11/24 12:25	1
Toxaphene	ND		0.0020	0.00012	mg/L		01/10/24 08:45	01/11/24 12:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*61*		*20 - 120*	*01/10/24 08:45*	*01/11/24 12:25*	*1*
Tetrachloro-m-xylene	*83*		*44 - 120*	*01/10/24 08:45*	*01/11/24 12:25*	*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		01/10/24 08:51	01/11/24 14:32	1
2,4-D	**0.00044**	**J**	0.0020	0.00040	mg/L		01/10/24 08:51	01/11/24 14:32	1

Client Sample ID: AC-WASTE CHAR.
Lab Sample ID: 480-216227-2
Date Collected: 01/04/24 13:15
Matrix: Solid
Date Received: 01/06/24 09:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*13*	*S1-*	*21 - 143*	*01/10/24 08:51*	*01/11/24 14:32*	*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		01/10/24 09:16	01/11/24 13:32	1
Barium	**0.47**	**J**	1.0	0.10	mg/L		01/10/24 09:16	01/18/24 20:42	1
Cadmium	**0.0015**	**J**	0.0020	0.00050	mg/L		01/10/24 09:16	01/11/24 13:32	1
Chromium	ND		0.020	0.010	mg/L		01/10/24 09:16	01/11/24 13:32	1
Lead	**0.012**	**J**	0.020	0.0030	mg/L		01/10/24 09:16	01/11/24 13:32	1
Selenium	ND		0.025	0.0087	mg/L		01/10/24 09:16	01/11/24 13:32	1
Silver	ND		0.0060	0.0017	mg/L		01/10/24 09:16	01/11/24 13:32	1

Method: SW846 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.000078**	**J B**	0.00020	0.000043	mg/L		01/10/24 11:31	01/10/24 15:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive (SW846 9012)	ND		9.2	9.2	mg/Kg		01/10/24 13:00	01/11/24 11:18	1
Sulfide, Reactive (SW846 9034)	**18.5**		9.2	9.2	mg/Kg		01/10/24 13:00	01/11/24 12:00	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint (SW846 1010A)	**>180**		50.0	50.0	Degrees F			01/08/24 08:21	1
pH (SW846 9045D)	**8.3**	**HF**	0.1	0.1	SU			01/09/24 17:32	1
Temperature (SW846 9045D)	**8.3**	**HF**	0.001	0.001	Degrees C			01/09/24 17:32	1

Client Sample ID: AC-WASTE CHAR.
Lab Sample ID: 480-216227-2
Date Collected: 01/04/24 13:15
Matrix: Solid
Date Received: 01/06/24 09:00
Percent Solids: 84.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.23	0.046	mg/Kg	☼	01/08/24 16:23	01/09/24 15:02	1
PCB-1221	ND		0.23	0.046	mg/Kg	☼	01/08/24 16:23	01/09/24 15:02	1
PCB-1232	ND		0.23	0.046	mg/Kg	☼	01/08/24 16:23	01/09/24 15:02	1
PCB-1242	ND		0.23	0.046	mg/Kg	☼	01/08/24 16:23	01/09/24 15:02	1
PCB-1248	ND		0.23	0.046	mg/Kg	☼	01/08/24 16:23	01/09/24 15:02	1
PCB-1254	ND		0.23	0.11	mg/Kg	☼	01/08/24 16:23	01/09/24 15:02	1
PCB-1260	ND		0.23	0.11	mg/Kg	☼	01/08/24 16:23	01/09/24 15:02	1
PCB-1262	ND		0.23	0.11	mg/Kg	☼	01/08/24 16:23	01/09/24 15:02	1
PCB-1268	ND		0.23	0.11	mg/Kg	☼	01/08/24 16:23	01/09/24 15:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*104*		*60 - 154*	*01/08/24 16:23*	*01/09/24 15:02*	*1*
DCB Decachlorobiphenyl	*116*		*65 - 174*	*01/08/24 16:23*	*01/09/24 15:02*	*1*

Client Sample ID: DC-TP-1
Lab Sample ID: 480-216227-3
Date Collected: 01/04/24 14:00
Matrix: Solid
Date Received: 01/06/24 09:00
Percent Solids: 72.9

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		64	18	ug/Kg	☼	01/09/24 09:48	01/09/24 14:58	1

Client Sample ID: DC-TP-1
Date Collected: 01/04/24 14:00
Date Received: 01/06/24 09:00

Lab Sample ID: 480-216227-3
Matrix: Solid
Percent Solids: 72.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		64	10	ug/Kg	☼	01/09/24 09:48	01/09/24 14:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		64	32	ug/Kg	☼	01/09/24 09:48	01/09/24 14:58	1
1,1,2-Trichloroethane	ND		64	14	ug/Kg	☼	01/09/24 09:48	01/09/24 14:58	1
1,1-Dichloroethane	ND		64	20	ug/Kg	☼	01/09/24 09:48	01/09/24 14:58	1
1,1-Dichloroethene	ND		64	22	ug/Kg	☼	01/09/24 09:48	01/09/24 14:58	1
1,2,4-Trichlorobenzene	ND		64	24	ug/Kg	☼	01/09/24 09:48	01/09/24 14:58	1
1,2-Dibromo-3-Chloropropane	ND		64	32	ug/Kg	☼	01/09/24 09:48	01/09/24 14:58	1
1,2-Dibromoethane	ND		64	11	ug/Kg	☼	01/09/24 09:48	01/09/24 14:58	1
1,2-Dichlorobenzene	ND		64	16	ug/Kg	☼	01/09/24 09:48	01/09/24 14:58	1
1,2-Dichloroethane	ND		64	26	ug/Kg	☼	01/09/24 09:48	01/09/24 14:58	1
1,2-Dichloropropane	ND		64	10	ug/Kg	☼	01/09/24 09:48	01/09/24 14:58	1
1,3-Dichlorobenzene	ND		64	17	ug/Kg	☼	01/09/24 09:48	01/09/24 14:58	1
1,4-Dichlorobenzene	ND		64	9.0	ug/Kg	☼	01/09/24 09:48	01/09/24 14:58	1
2-Butanone (MEK)	ND		320	190	ug/Kg	☼	01/09/24 09:48	01/09/24 14:58	1
2-Hexanone	ND		320	130	ug/Kg	☼	01/09/24 09:48	01/09/24 14:58	1
4-Methyl-2-pentanone (MIBK)	ND		320	21	ug/Kg	☼	01/09/24 09:48	01/09/24 14:58	1
Acetone	ND		320	260	ug/Kg	☼	01/09/24 09:48	01/09/24 14:58	1
Benzene	ND		64	12	ug/Kg	☼	01/09/24 09:48	01/09/24 14:58	1
Bromodichloromethane	ND		64	13	ug/Kg	☼	01/09/24 09:48	01/09/24 14:58	1
Bromoform	ND		64	32	ug/Kg	☼	01/09/24 09:48	01/09/24 14:58	1
Bromomethane	ND		64	14	ug/Kg	☼	01/09/24 09:48	01/09/24 14:58	1
Carbon disulfide	ND		64	29	ug/Kg	☼	01/09/24 09:48	01/09/24 14:58	1
Carbon tetrachloride	ND		64	16	ug/Kg	☼	01/09/24 09:48	01/09/24 14:58	1
Chlorobenzene	ND		64	8.5	ug/Kg	☼	01/09/24 09:48	01/09/24 14:58	1
Chloroethane	ND		64	13	ug/Kg	☼	01/09/24 09:48	01/09/24 14:58	1
Chloroform	ND		64	44	ug/Kg	☼	01/09/24 09:48	01/09/24 14:58	1
Chloromethane	ND		64	15	ug/Kg	☼	01/09/24 09:48	01/09/24 14:58	1
cis-1,2-Dichloroethene	ND		64	18	ug/Kg	☼	01/09/24 09:48	01/09/24 14:58	1
cis-1,3-Dichloropropene	ND		64	15	ug/Kg	☼	01/09/24 09:48	01/09/24 14:58	1
Cyclohexane	ND		64	14	ug/Kg	☼	01/09/24 09:48	01/09/24 14:58	1
Dibromochloromethane	ND		64	31	ug/Kg	☼	01/09/24 09:48	01/09/24 14:58	1
Dichlorodifluoromethane	ND		64	28	ug/Kg	☼	01/09/24 09:48	01/09/24 14:58	1
Ethylbenzene	**37**	**J**	64	19	ug/Kg	☼	01/09/24 09:48	01/09/24 14:58	1
Isopropylbenzene	**140**		64	9.7	ug/Kg	☼	01/09/24 09:48	01/09/24 14:58	1
Methyl acetate	ND		320	31	ug/Kg	☼	01/09/24 09:48	01/09/24 14:58	1
Methyl tert-butyl ether	ND		64	24	ug/Kg	☼	01/09/24 09:48	01/09/24 14:58	1
Methylcyclohexane	**160**		64	30	ug/Kg	☼	01/09/24 09:48	01/09/24 14:58	1
Methylene Chloride	ND		64	13	ug/Kg	☼	01/09/24 09:48	01/09/24 14:58	1
Styrene	ND		64	16	ug/Kg	☼	01/09/24 09:48	01/09/24 14:58	1
Tetrachloroethene	ND		64	8.7	ug/Kg	☼	01/09/24 09:48	01/09/24 14:58	1
Toluene	**30**	**J**	64	17	ug/Kg	☼	01/09/24 09:48	01/09/24 14:58	1
trans-1,2-Dichloroethene	ND		64	15	ug/Kg	☼	01/09/24 09:48	01/09/24 14:58	1
trans-1,3-Dichloropropene	ND		64	6.3	ug/Kg	☼	01/09/24 09:48	01/09/24 14:58	1
Trichloroethene	ND		64	18	ug/Kg	☼	01/09/24 09:48	01/09/24 14:58	1
Trichlorofluoromethane	ND		64	30	ug/Kg	☼	01/09/24 09:48	01/09/24 14:58	1
Vinyl chloride	ND		64	22	ug/Kg	☼	01/09/24 09:48	01/09/24 14:58	1
Xylenes, Total	**73**	**J**	130	36	ug/Kg	☼	01/09/24 09:48	01/09/24 14:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*53 - 146*	*01/09/24 09:48*	*01/09/24 14:58*	*1*

Client Sample ID: DC-TP-1
Lab Sample ID: 480-216227-3
Date Collected: 01/04/24 14:00
Matrix: Solid
Date Received: 01/06/24 09:00
Percent Solids: 72.9

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*81*		*49 - 148*	*01/09/24 09:48*	*01/09/24 14:58*	*1*
Dibromofluoromethane (Surr)	*93*		*60 - 140*	*01/09/24 09:48*	*01/09/24 14:58*	*1*
Toluene-d8 (Surr)	*73*		*50 - 149*	*01/09/24 09:48*	*01/09/24 14:58*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		140	75	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
2,4,5-Trichlorophenol	ND		230	62	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
2,4,6-Trichlorophenol	ND		230	46	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
2,4-Dichlorophenol	ND		230	24	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
2,4-Dimethylphenol	ND		230	56	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
2,4-Dinitrophenol	ND		2300	1100	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
2,4-Dinitrotoluene	ND		230	47	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
2,6-Dinitrotoluene	ND		230	27	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
2-Chloronaphthalene	ND		230	38	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
2-Chlorophenol	ND		450	42	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
2-Methylnaphthalene	ND		230	46	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
2-Methylphenol	ND		230	27	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
2-Nitroaniline	ND		450	34	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
2-Nitrophenol	ND		230	65	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
3,3'-Dichlorobenzidine	ND		450	270	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
3-Nitroaniline	ND		450	64	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
4,6-Dinitro-2-methylphenol	ND		450	230	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
4-Bromophenyl phenyl ether	ND		230	33	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
4-Chloro-3-methylphenol	ND		230	57	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
4-Chloroaniline	ND		230	57	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
4-Chlorophenyl phenyl ether	ND		230	28	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
4-Methylphenol	ND		450	27	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
4-Nitroaniline	**160**	**J**	450	120	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
4-Nitrophenol	ND		450	160	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
Acenaphthene	**1100**		230	34	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
Acenaphthylene	ND		230	30	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
Acetophenone	ND		230	31	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
Anthracene	**560**		230	57	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
Atrazine	ND		230	80	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
Benzaldehyde	ND		230	180	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
Benzo[a]anthracene	**290**		230	23	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
Benzo[a]pyrene	**220**	**J**	230	34	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
Benzo[b]fluoranthene	**240**		230	37	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
Benzo[g,h,i]perylene	**110**	**J**	230	24	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
Benzo[k]fluoranthene	**140**	**J**	230	30	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
Biphenyl	ND		230	34	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
bis (2-chloroisopropyl) ether	ND		230	46	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
Bis(2-chloroethoxy)methane	ND		230	49	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
Bis(2-chloroethyl)ether	ND		230	30	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
Bis(2-ethylhexyl) phthalate	ND		230	79	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
Butyl benzyl phthalate	ND		230	38	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
Caprolactam	ND		230	69	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
Carbazole	ND		230	27	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1

Client Sample ID: DC-TP-1
Lab Sample ID: 480-216227-3
Date Collected: 01/04/24 14:00
Matrix: Solid
Date Received: 01/06/24 09:00
Percent Solids: 72.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	**300**		230	52	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
Dibenz(a,h)anthracene	ND		230	41	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
Dibenzofuran	ND		230	27	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
Diethyl phthalate	ND		230	30	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
Dimethyl phthalate	ND		230	27	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
Di-n-butyl phthalate	ND		230	39	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
Di-n-octyl phthalate	ND		230	27	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
Fluoranthene	**1000**		230	24	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
Fluorene	**2000**		230	27	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
Hexachlorobenzene	ND		230	31	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
Hexachlorobutadiene	ND		230	34	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
Hexachlorocyclopentadiene	ND		230	31	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
Hexachloroethane	ND		230	30	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
Indeno[1,2,3-cd]pyrene	**98**	**J**	230	28	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
Isophorone	ND		230	49	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
Naphthalene	ND		230	30	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
Nitrobenzene	ND		230	26	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
N-Nitrosodi-n-propylamine	ND		230	39	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
N-Nitrosodiphenylamine	ND		230	190	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
Pentachlorophenol	ND		450	230	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
Phenanthrene	**2500**		230	34	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
Phenol	ND		230	35	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1
Pyrene	ND		230	27	ug/Kg	☼	01/08/24 16:20	01/09/24 16:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*126*	*S1+*	*54 - 120*	*01/08/24 16:20*	*01/09/24 16:03*	*1*
2-Fluorobiphenyl	*90*		*60 - 120*	*01/08/24 16:20*	*01/09/24 16:03*	*1*
2-Fluorophenol	*78*		*52 - 120*	*01/08/24 16:20*	*01/09/24 16:03*	*1*
Nitrobenzene-d5	*113*		*53 - 120*	*01/08/24 16:20*	*01/09/24 16:03*	*1*
Phenol-d5	*80*		*54 - 120*	*01/08/24 16:20*	*01/09/24 16:03*	*1*
p-Terphenyl-d14	*88*		*79 - 130*	*01/08/24 16:20*	*01/09/24 16:03*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	**2.7**		2.3	0.44	ug/Kg	☼	01/08/24 16:16	01/10/24 11:58	1
4,4'-DDE	**1.8**	**J**	2.3	0.47	ug/Kg	☼	01/08/24 16:16	01/10/24 11:58	1
4,4'-DDT	**1.6**	**J**	2.3	0.53	ug/Kg	☼	01/08/24 16:16	01/10/24 11:58	1
Aldrin	ND		2.3	0.55	ug/Kg	☼	01/08/24 16:16	01/10/24 11:58	1
alpha-BHC	ND		2.3	0.40	ug/Kg	☼	01/08/24 16:16	01/10/24 11:58	1
cis-Chlordane	ND		2.3	1.1	ug/Kg	☼	01/08/24 16:16	01/10/24 11:58	1
beta-BHC	**2.5**		2.3	0.40	ug/Kg	☼	01/08/24 16:16	01/10/24 11:58	1
delta-BHC	**0.80**	**J**	2.3	0.42	ug/Kg	☼	01/08/24 16:16	01/10/24 11:58	1
Dieldrin	**0.82**	**J**	2.3	0.54	ug/Kg	☼	01/08/24 16:16	01/10/24 11:58	1
Endosulfan I	ND		2.3	0.43	ug/Kg	☼	01/08/24 16:16	01/10/24 11:58	1
Endosulfan II	ND		2.3	0.40	ug/Kg	☼	01/08/24 16:16	01/10/24 11:58	1
Endosulfan sulfate	ND		2.3	0.42	ug/Kg	☼	01/08/24 16:16	01/10/24 11:58	1
Endrin	ND		2.3	0.45	ug/Kg	☼	01/08/24 16:16	01/10/24 11:58	1
gamma-BHC (Lindane)	ND		2.3	0.41	ug/Kg	☼	01/08/24 16:16	01/10/24 11:58	1
Heptachlor	ND		2.3	0.49	ug/Kg	☼	01/08/24 16:16	01/10/24 11:58	1

Client Sample ID: DC-TP-1
Lab Sample ID: 480-216227-3

Date Collected: 01/04/24 14:00
Matrix: Solid
Date Received: 01/06/24 09:00
Percent Solids: 72.9

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*71*		*45 - 120*	*01/08/24 16:16*	*01/10/24 11:58*	*1*
Tetrachloro-m-xylene	*56*		*30 - 124*	*01/08/24 16:16*	*01/10/24 11:58*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.31	0.060	mg/Kg	☼	01/08/24 16:23	01/09/24 15:19	1
PCB-1221	ND		0.31	0.060	mg/Kg	☼	01/08/24 16:23	01/09/24 15:19	1
PCB-1232	ND		0.31	0.060	mg/Kg	☼	01/08/24 16:23	01/09/24 15:19	1
PCB-1242	ND		0.31	0.060	mg/Kg	☼	01/08/24 16:23	01/09/24 15:19	1
PCB-1248	ND		0.31	0.060	mg/Kg	☼	01/08/24 16:23	01/09/24 15:19	1
PCB-1254	**0.15**	**J**	0.31	0.14	mg/Kg	☼	01/08/24 16:23	01/09/24 15:19	1
PCB-1260	ND		0.31	0.14	mg/Kg	☼	01/08/24 16:23	01/09/24 15:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*83*		*60 - 154*	*01/08/24 16:23*	*01/09/24 15:19*	*1*
DCB Decachlorobiphenyl	*130*		*65 - 174*	*01/08/24 16:23*	*01/09/24 15:19*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		23	8.1	ug/Kg	☼	01/16/24 07:02	01/22/24 08:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*87*		*28 - 129*	*01/16/24 07:02*	*01/22/24 08:43*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**41.8**		2.8	0.57	mg/Kg	☼	01/08/24 14:29	01/09/24 15:34	1
Barium	**418**		0.71	0.16	mg/Kg	☼	01/08/24 14:29	01/09/24 15:34	1
Cadmium	ND		0.28	0.043	mg/Kg	☼	01/08/24 14:29	01/09/24 15:34	1
Chromium	**17.6**		0.71	0.28	mg/Kg	☼	01/08/24 14:29	01/09/24 15:34	1
Lead	**14.6**		1.4	0.34	mg/Kg	☼	01/08/24 14:29	01/09/24 15:34	1
Selenium	**0.96**	**J**	5.7	0.57	mg/Kg	☼	01/08/24 14:29	01/09/24 15:34	1
Silver	ND		0.85	0.28	mg/Kg	☼	01/08/24 14:29	01/09/24 15:34	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.042**		0.028	0.0064	mg/Kg	☼	01/09/24 11:08	01/09/24 13:25	1

Client Sample ID: DC-WASTE CHAR.
Lab Sample ID: 480-216227-4

Date Collected: 01/04/24 14:10
Matrix: Solid
Date Received: 01/06/24 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			01/10/24 19:35	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			01/10/24 19:35	10
Chlorobenzene	ND		0.010	0.0075	mg/L			01/10/24 19:35	10
Chloroform	ND		0.010	0.0034	mg/L			01/10/24 19:35	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			01/10/24 19:35	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			01/10/24 19:35	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			01/10/24 19:35	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			01/10/24 19:35	10

Client Sample ID: DC-WASTE CHAR.
Lab Sample ID: 480-216227-4

Date Collected: 01/04/24 14:10
Matrix: Solid
Date Received: 01/06/24 09:00

Method: SW846 8260C - TCLP Volatiles - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		0.010	0.0046	mg/L			01/10/24 19:35	10
Vinyl chloride	ND		0.010	0.0090	mg/L			01/10/24 19:35	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*77 - 120*		*01/10/24 19:35*	*10*
Toluene-d8 (Surr)	*97*		*80 - 120*		*01/10/24 19:35*	*10*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*01/10/24 19:35*	*10*
Dibromofluoromethane (Surr)	*90*		*75 - 123*		*01/10/24 19:35*	*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		01/10/24 13:59	01/11/24 16:53	1
2,4-Dinitrotoluene	ND		0.020	0.0017	mg/L		01/10/24 13:59	01/11/24 16:53	1
Hexachlorobenzene	ND		0.020	0.0020	mg/L		01/10/24 13:59	01/11/24 16:53	1
Hexachlorobutadiene	ND		0.020	0.0027	mg/L		01/10/24 13:59	01/11/24 16:53	1
Hexachloroethane	ND		0.020	0.0023	mg/L		01/10/24 13:59	01/11/24 16:53	1
3-Methylphenol	ND		0.040	0.0016	mg/L		01/10/24 13:59	01/11/24 16:53	1
2-Methylphenol	ND		0.020	0.0016	mg/L		01/10/24 13:59	01/11/24 16:53	1
4-Methylphenol	ND		0.040	0.0014	mg/L		01/10/24 13:59	01/11/24 16:53	1
Nitrobenzene	ND		0.020	0.0011	mg/L		01/10/24 13:59	01/11/24 16:53	1
Pentachlorophenol	ND		0.040	0.0088	mg/L		01/10/24 13:59	01/11/24 16:53	1
Pyridine	ND		0.10	0.0016	mg/L		01/10/24 13:59	01/11/24 16:53	1
2,4,5-Trichlorophenol	ND		0.020	0.0019	mg/L		01/10/24 13:59	01/11/24 16:53	1
2,4,6-Trichlorophenol	ND		0.020	0.0024	mg/L		01/10/24 13:59	01/11/24 16:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*110*		*41 - 120*	*01/10/24 13:59*	*01/11/24 16:53*	*1*
2-Fluorobiphenyl	*93*		*48 - 120*	*01/10/24 13:59*	*01/11/24 16:53*	*1*
2-Fluorophenol	*46*		*35 - 120*	*01/10/24 13:59*	*01/11/24 16:53*	*1*
Nitrobenzene-d5	*85*		*46 - 120*	*01/10/24 13:59*	*01/11/24 16:53*	*1*
p-Terphenyl-d14	*97*		*60 - 148*	*01/10/24 13:59*	*01/11/24 16:53*	*1*
Phenol-d5	*34*		*22 - 120*	*01/10/24 13:59*	*01/11/24 16:53*	*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		01/10/24 08:45	01/11/24 12:44	1
Chlordane (technical)	ND		0.0020	0.000029	mg/L		01/10/24 08:45	01/11/24 12:44	1
Endrin	ND		0.00020	0.000014	mg/L		01/10/24 08:45	01/11/24 12:44	1
Heptachlor	ND		0.00020	0.0000085	mg/L		01/10/24 08:45	01/11/24 12:44	1
Heptachlor epoxide	ND		0.00020	0.0000053	mg/L		01/10/24 08:45	01/11/24 12:44	1
Methoxychlor	ND		0.00020	0.000014	mg/L		01/10/24 08:45	01/11/24 12:44	1
Toxaphene	ND		0.0020	0.00012	mg/L		01/10/24 08:45	01/11/24 12:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*89*		*20 - 120*	*01/10/24 08:45*	*01/11/24 12:44*	*1*
Tetrachloro-m-xylene	*63*		*44 - 120*	*01/10/24 08:45*	*01/11/24 12:44*	*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		01/10/24 08:51	01/11/24 14:51	1
2,4-D	**0.00045**	**J**	0.0020	0.00040	mg/L		01/10/24 08:51	01/11/24 14:51	1

Client Sample ID: DC-WASTE CHAR.
Lab Sample ID: 480-216227-4
Date Collected: 01/04/24 14:10
Matrix: Solid
Date Received: 01/06/24 09:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	8	S1-	21 - 143	01/10/24 08:51	01/11/24 14:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.071**		0.015	0.0056	mg/L		01/10/24 09:16	01/11/24 13:36	1
Barium	**1.2**		1.0	0.10	mg/L		01/10/24 09:16	01/19/24 13:45	1
Cadmium	ND		0.0020	0.00050	mg/L		01/10/24 09:16	01/11/24 13:36	1
Chromium	ND	F1 F2	0.020	0.010	mg/L		01/10/24 09:16	01/11/24 13:36	1
Lead	**0.018**	**J**	0.020	0.0030	mg/L		01/10/24 09:16	01/11/24 13:36	1
Selenium	ND		0.025	0.0087	mg/L		01/10/24 09:16	01/11/24 13:36	1
Silver	ND		0.0060	0.0017	mg/L		01/10/24 09:16	01/11/24 13:36	1

Method: SW846 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.000067**	**J B**	0.00020	0.000043	mg/L		01/10/24 11:31	01/10/24 15:48	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		01/10/24 13:00	01/11/24 11:20	1
Sulfide, Reactive (SW846 9034)	**194**		9.7	9.7	mg/Kg		01/10/24 13:00	01/11/24 12:00	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint (SW846 1010A)	**>180**		50.0	50.0	Degrees F			01/08/24 11:41	1
pH (SW846 9045D)	**8.2**	**HF**	0.1	0.1	SU			01/09/24 17:32	1
Temperature (SW846 9045D)	**8.2**	**HF**	0.001	0.001	Degrees C			01/09/24 17:32	1

Client Sample ID: DC-WASTE CHAR.
Lab Sample ID: 480-216227-4
Date Collected: 01/04/24 14:10
Matrix: Solid
Date Received: 01/06/24 09:00
Percent Solids: 71.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.30	0.058	mg/Kg	☼	01/08/24 16:23	01/09/24 15:37	1
PCB-1221	ND		0.30	0.058	mg/Kg	☼	01/08/24 16:23	01/09/24 15:37	1
PCB-1232	ND		0.30	0.058	mg/Kg	☼	01/08/24 16:23	01/09/24 15:37	1
PCB-1242	ND		0.30	0.058	mg/Kg	☼	01/08/24 16:23	01/09/24 15:37	1
PCB-1248	ND		0.30	0.058	mg/Kg	☼	01/08/24 16:23	01/09/24 15:37	1
PCB-1254	ND		0.30	0.14	mg/Kg	☼	01/08/24 16:23	01/09/24 15:37	1
PCB-1260	ND		0.30	0.14	mg/Kg	☼	01/08/24 16:23	01/09/24 15:37	1
PCB-1262	ND		0.30	0.14	mg/Kg	☼	01/08/24 16:23	01/09/24 15:37	1
PCB-1268	ND		0.30	0.14	mg/Kg	☼	01/08/24 16:23	01/09/24 15:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	79		60 - 154	01/08/24 16:23	01/09/24 15:37	1
DCB Decachlorobiphenyl	130		65 - 174	01/08/24 16:23	01/09/24 15:37	1

Surrogate Summary

Client: CHA Inc
Job ID: 480-216227-1
Project/Site: CHGE Danskammer - Freeze Pit

Method: 8260C - TCLP Volatiles

Matrix: Solid **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)
LCS 480-697564/6	Lab Control Sample	92	99	91	96
MB 480-697564/8	Method Blank	99	103	99	102

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (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)
480-216227-2	AC-WASTE CHAR.	94	98	95	94
480-216227-4	DC-WASTE CHAR.	91	97	93	90
LB 480-697479/1-A	Method Blank	95	99	96	92

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)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(64-126)	(72-126)	(60-140)	(71-125)
480-216227-1	AC-TP-1	102	101	100	105
LCS 480-697673/1-A	Lab Control Sample	97	99	100	100
MB 480-697673/2-A	Method Blank	104	103	104	102

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(53-146)	(49-148)	(60-140)	(50-149)
480-216227-3	DC-TP-1	95	81	93	73
LCS 480-697466/1-A	Lab Control Sample	90	99	89	93
MB 480-697466/3-A	Method Blank	94	94	91	90

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

Surrogate Summary

Client: CHA Inc
Job ID: 480-216227-1
Project/Site: CHGE Danskammer - Freeze Pit

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)
480-216227-1	AC-TP-1	109	98	85	91	90	93
480-216227-3	DC-TP-1	126 S1+	90	78	113	80	88
LCS 480-697400/2-A	Lab Control Sample	111	96	82	90	87	94
MB 480-697400/1-A	Method Blank	87	90	78	86	84	86

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 480-697633/2-A	Lab Control Sample	124 S1+	102	55	97	41	102
LCSD 480-697633/3-A	Lab Control Sample Dup	121 S1+	102	55	95	40	100
MB 480-697633/1-A	Method Blank	100	98	53	96	37	96

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: 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)
480-216227-2	AC-WASTE CHAR.	115	85	42	77	82	32
480-216227-4	DC-WASTE CHAR.	110	93	46	85	97	34
LB 480-697478/1-F	Method Blank	115	98	53	99	106	39

Surrogate Legend

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

Surrogate Summary

Client: CHA Inc
Job ID: 480-216227-1
Project/Site: CHGE Danskammer - Freeze Pit

Method: 8081B - Organochlorine Pesticides (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		DCBP1	TCX1
Lab Sample ID	Client Sample ID	(45-120)	(30-124)
480-216227-1	AC-TP-1	75	58
480-216227-3	DC-TP-1	71	56
LCS 480-697399/2-A	Lab Control Sample	91	69
MB 480-697399/1-A	Method Blank	87	75

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8081B - Organochlorine Pesticides (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		DCBP1	TCX1
Lab Sample ID	Client Sample ID	(20-120)	(44-120)
LCS 480-697574/2-A	Lab Control Sample	54	84
LCSD 480-697574/3-A	Lab Control Sample Dup	51	83
MB 480-697574/1-A	Method Blank	49	73

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCBP1	TCX1
Lab Sample ID	Client Sample ID	(20-120)	(44-120)
480-216227-2	AC-WASTE CHAR.	61	83
480-216227-4	DC-WASTE CHAR.	89	63
LB 480-697478/1-B	Method Blank	67	73

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)	
		TCX1	DCBP1
Lab Sample ID	Client Sample ID	(60-154)	(65-174)
480-216227-1	AC-TP-1	107	117
480-216227-1 MS	AC-TP-1	120	130
480-216227-1 MSD	AC-TP-1	114	125
480-216227-2	AC-WASTE CHAR.	104	116
480-216227-3	DC-TP-1	83	130
480-216227-4	DC-WASTE CHAR.	79	130
LCS 480-697401/2-A	Lab Control Sample	126	140
MB 480-697401/1-A	Method Blank	113	118

Surrogate Legend

Surrogate Summary

Client: CHA Inc
Job ID: 480-216227-1
Project/Site: CHGE Danskammer - Freeze Pit

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Method: 8151 - TCLP Herbicides

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

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	DCPAA1 (21-143)
LCS 480-697578/2-A	Lab Control Sample	95
MB 480-697578/1-A	Method Blank	85

Surrogate Legend
DCPAA = 2,4-Dichlorophenylacetic acid

Method: 8151 - TCLP Herbicides

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	DCPAA1 (21-143)
480-216227-2	AC-WASTE CHAR.	13 S1-
480-216227-4	DC-WASTE CHAR.	8 S1-
LB 480-697478/1-D	Method Blank	43

Surrogate Legend
DCPAA = 2,4-Dichlorophenylacetic acid

Method: 8151A - Herbicides (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	DCPAA1 (28-129)
480-216227-1	AC-TP-1	76
480-216227-3	DC-TP-1	87
LCS 480-698065/2-A	Lab Control Sample	85
MB 480-698065/1-A	Method Blank	78

Surrogate Legend
DCPAA = 2,4-Dichlorophenylacetic acid

Method: 8260C - TCLP Volatiles

Lab Sample ID: MB 480-697564/8
Matrix: Solid
Analysis Batch: 697564

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			01/10/24 11:31	1
1,2-Dichloroethane	ND		0.0010	0.00021	mg/L			01/10/24 11:31	1
2-Butanone (MEK)	ND		0.0050	0.0013	mg/L			01/10/24 11:31	1
Benzene	ND		0.0010	0.00041	mg/L			01/10/24 11:31	1
Carbon tetrachloride	ND		0.0010	0.00027	mg/L			01/10/24 11:31	1
Chlorobenzene	ND		0.0010	0.00075	mg/L			01/10/24 11:31	1
Chloroform	ND		0.0010	0.00034	mg/L			01/10/24 11:31	1
Tetrachloroethene	ND		0.0010	0.00036	mg/L			01/10/24 11:31	1
Trichloroethene	ND		0.0010	0.00046	mg/L			01/10/24 11:31	1
Vinyl chloride	ND		0.0010	0.00090	mg/L			01/10/24 11:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*01/10/24 11:31*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*01/10/24 11:31*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*01/10/24 11:31*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*01/10/24 11:31*	*1*

Lab Sample ID: LCS 480-697564/6
Matrix: Solid
Analysis Batch: 697564

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	0.0258		mg/L		103	66 - 127
1,2-Dichloroethane	0.0250	0.0232		mg/L		93	75 - 120
2-Butanone (MEK)	0.125	0.119		mg/L		95	57 - 140
Benzene	0.0250	0.0250		mg/L		100	71 - 124
Carbon tetrachloride	0.0250	0.0258		mg/L		103	72 - 134
Chlorobenzene	0.0250	0.0242		mg/L		97	80 - 120
Chloroform	0.0250	0.0235		mg/L		94	73 - 127
Tetrachloroethene	0.0250	0.0268		mg/L		107	74 - 122
Trichloroethene	0.0250	0.0258		mg/L		103	74 - 123
Vinyl chloride	0.0250	0.0271		mg/L		109	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*77 - 120*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*
Dibromofluoromethane (Surr)	*91*		*75 - 123*
Toluene-d8 (Surr)	*96*		*80 - 120*

Lab Sample ID: LB 480-697479/1-A
Matrix: Solid
Analysis Batch: 697564

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			01/10/24 18:27	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			01/10/24 18:27	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			01/10/24 18:27	10
Benzene	ND		0.010	0.0041	mg/L			01/10/24 18:27	10

Method: 8260C - TCLP Volatiles (Continued)

Lab Sample ID: LB 480-697479/1-A
Matrix: Solid
Analysis Batch: 697564

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			01/10/24 18:27	10
Chlorobenzene	ND		0.010	0.0075	mg/L			01/10/24 18:27	10
Chloroform	ND		0.010	0.0034	mg/L			01/10/24 18:27	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			01/10/24 18:27	10
Trichloroethene	ND		0.010	0.0046	mg/L			01/10/24 18:27	10
Vinyl chloride	ND		0.010	0.0090	mg/L			01/10/24 18:27	10

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*		*01/10/24 18:27*	*10*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*01/10/24 18:27*	*10*
Dibromofluoromethane (Surr)	*92*		*75 - 123*		*01/10/24 18:27*	*10*
Toluene-d8 (Surr)	*99*		*80 - 120*		*01/10/24 18:27*	*10*

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

Lab Sample ID: MB 480-697466/3-A
Matrix: Solid
Analysis Batch: 697452

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 697466

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100	28	ug/Kg		01/09/24 09:48	01/09/24 13:53	1
1,1,2,2-Tetrachloroethane	ND		100	16	ug/Kg		01/09/24 09:48	01/09/24 13:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	50	ug/Kg		01/09/24 09:48	01/09/24 13:53	1
1,1,2-Trichloroethane	ND		100	21	ug/Kg		01/09/24 09:48	01/09/24 13:53	1
1,1-Dichloroethane	ND		100	31	ug/Kg		01/09/24 09:48	01/09/24 13:53	1
1,1-Dichloroethene	ND		100	35	ug/Kg		01/09/24 09:48	01/09/24 13:53	1
1,2,4-Trichlorobenzene	ND		100	38	ug/Kg		01/09/24 09:48	01/09/24 13:53	1
1,2-Dibromo-3-Chloropropane	ND		100	50	ug/Kg		01/09/24 09:48	01/09/24 13:53	1
1,2-Dibromoethane	ND		100	18	ug/Kg		01/09/24 09:48	01/09/24 13:53	1
1,2-Dichlorobenzene	ND		100	26	ug/Kg		01/09/24 09:48	01/09/24 13:53	1
1,2-Dichloroethane	ND		100	41	ug/Kg		01/09/24 09:48	01/09/24 13:53	1
1,2-Dichloropropane	ND		100	16	ug/Kg		01/09/24 09:48	01/09/24 13:53	1
1,3-Dichlorobenzene	ND		100	27	ug/Kg		01/09/24 09:48	01/09/24 13:53	1
1,4-Dichlorobenzene	ND		100	14	ug/Kg		01/09/24 09:48	01/09/24 13:53	1
2-Butanone (MEK)	ND		500	300	ug/Kg		01/09/24 09:48	01/09/24 13:53	1
2-Hexanone	ND		500	210	ug/Kg		01/09/24 09:48	01/09/24 13:53	1
4-Methyl-2-pentanone (MIBK)	ND		500	32	ug/Kg		01/09/24 09:48	01/09/24 13:53	1
Acetone	ND		500	410	ug/Kg		01/09/24 09:48	01/09/24 13:53	1
Benzene	ND		100	19	ug/Kg		01/09/24 09:48	01/09/24 13:53	1
Bromodichloromethane	ND		100	20	ug/Kg		01/09/24 09:48	01/09/24 13:53	1
Bromoform	ND		100	50	ug/Kg		01/09/24 09:48	01/09/24 13:53	1
Bromomethane	ND		100	22	ug/Kg		01/09/24 09:48	01/09/24 13:53	1
Carbon disulfide	ND		100	46	ug/Kg		01/09/24 09:48	01/09/24 13:53	1
Carbon tetrachloride	ND		100	26	ug/Kg		01/09/24 09:48	01/09/24 13:53	1
Chlorobenzene	ND		100	13	ug/Kg		01/09/24 09:48	01/09/24 13:53	1
Chloroethane	ND		100	21	ug/Kg		01/09/24 09:48	01/09/24 13:53	1
Chloroform	ND		100	69	ug/Kg		01/09/24 09:48	01/09/24 13:53	1
Chloromethane	ND		100	24	ug/Kg		01/09/24 09:48	01/09/24 13:53	1
cis-1,2-Dichloroethene	ND		100	28	ug/Kg		01/09/24 09:48	01/09/24 13:53	1

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

Lab Sample ID: MB 480-697466/3-A
Matrix: Solid
Analysis Batch: 697452

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 697466

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		100	24	ug/Kg		01/09/24 09:48	01/09/24 13:53	1
Cyclohexane	ND		100	22	ug/Kg		01/09/24 09:48	01/09/24 13:53	1
Dibromochloromethane	ND		100	48	ug/Kg		01/09/24 09:48	01/09/24 13:53	1
Dichlorodifluoromethane	ND		100	44	ug/Kg		01/09/24 09:48	01/09/24 13:53	1
Ethylbenzene	ND		100	29	ug/Kg		01/09/24 09:48	01/09/24 13:53	1
Isopropylbenzene	ND		100	15	ug/Kg		01/09/24 09:48	01/09/24 13:53	1
Methyl acetate	ND		500	48	ug/Kg		01/09/24 09:48	01/09/24 13:53	1
Methyl tert-butyl ether	ND		100	38	ug/Kg		01/09/24 09:48	01/09/24 13:53	1
Methylcyclohexane	ND		100	47	ug/Kg		01/09/24 09:48	01/09/24 13:53	1
Methylene Chloride	ND		100	20	ug/Kg		01/09/24 09:48	01/09/24 13:53	1
Styrene	ND		100	24	ug/Kg		01/09/24 09:48	01/09/24 13:53	1
Tetrachloroethene	ND		100	13	ug/Kg		01/09/24 09:48	01/09/24 13:53	1
Toluene	ND		100	27	ug/Kg		01/09/24 09:48	01/09/24 13:53	1
trans-1,2-Dichloroethene	ND		100	24	ug/Kg		01/09/24 09:48	01/09/24 13:53	1
trans-1,3-Dichloropropene	ND		100	9.8	ug/Kg		01/09/24 09:48	01/09/24 13:53	1
Trichloroethene	ND		100	28	ug/Kg		01/09/24 09:48	01/09/24 13:53	1
Trichlorofluoromethane	ND		100	47	ug/Kg		01/09/24 09:48	01/09/24 13:53	1
Vinyl chloride	ND		100	34	ug/Kg		01/09/24 09:48	01/09/24 13:53	1
Xylenes, Total	ND		200	55	ug/Kg		01/09/24 09:48	01/09/24 13:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*53 - 146*	*01/09/24 09:48*	*01/09/24 13:53*	*1*
4-Bromofluorobenzene (Surr)	*94*		*49 - 148*	*01/09/24 09:48*	*01/09/24 13:53*	*1*
Dibromofluoromethane (Surr)	*91*		*60 - 140*	*01/09/24 09:48*	*01/09/24 13:53*	*1*
Toluene-d8 (Surr)	*90*		*50 - 149*	*01/09/24 09:48*	*01/09/24 13:53*	*1*

Lab Sample ID: LCS 480-697466/1-A
Matrix: Solid
Analysis Batch: 697452

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 697466

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	2500	2310		ug/Kg		92	68 - 130
1,1,2,2-Tetrachloroethane	2500	2250		ug/Kg		90	73 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	2210		ug/Kg		89	10 - 179
1,1,2-Trichloroethane	2500	2350		ug/Kg		94	80 - 120
1,1-Dichloroethane	2500	2210		ug/Kg		88	78 - 121
1,1-Dichloroethene	2500	2050		ug/Kg		82	48 - 133
1,2,4-Trichlorobenzene	2500	2540		ug/Kg		102	70 - 140
1,2-Dibromo-3-Chloropropane	2500	2040		ug/Kg		82	56 - 122
1,2-Dibromoethane	2500	2340		ug/Kg		93	80 - 120
1,2-Dichlorobenzene	2500	2420		ug/Kg		97	78 - 125
1,2-Dichloroethane	2500	2130		ug/Kg		85	74 - 127
1,2-Dichloropropane	2500	2200		ug/Kg		88	80 - 120
1,3-Dichlorobenzene	2500	2450		ug/Kg		98	80 - 120
1,4-Dichlorobenzene	2500	2360		ug/Kg		94	80 - 120
2-Butanone (MEK)	12500	11800		ug/Kg		94	54 - 149
2-Hexanone	12500	12200		ug/Kg		98	59 - 127
4-Methyl-2-pentanone (MIBK)	12500	11000		ug/Kg		88	74 - 120

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

Lab Sample ID: LCS 480-697466/1-A
Matrix: Solid
Analysis Batch: 697452

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 697466

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	12500	13300		ug/Kg		106	47 - 141
Benzene	2500	2200		ug/Kg		88	77 - 125
Bromodichloromethane	2500	2210		ug/Kg		88	71 - 121
Bromoform	2500	2690		ug/Kg		108	48 - 125
Bromomethane	2500	2320		ug/Kg		93	39 - 149
Carbon disulfide	2500	1940		ug/Kg		77	40 - 136
Carbon tetrachloride	2500	2410		ug/Kg		96	54 - 135
Chlorobenzene	2500	2360		ug/Kg		95	76 - 126
Chloroethane	2500	2750		ug/Kg		110	23 - 150
Chloroform	2500	2140		ug/Kg		85	78 - 120
Chloromethane	2500	2170		ug/Kg		87	61 - 124
cis-1,2-Dichloroethene	2500	2170		ug/Kg		87	79 - 124
cis-1,3-Dichloropropene	2500	2210		ug/Kg		88	75 - 121
Cyclohexane	2500	2260		ug/Kg		90	49 - 129
Dibromochloromethane	2500	2510		ug/Kg		100	64 - 120
Dichlorodifluoromethane	2500	1890		ug/Kg		76	10 - 150
Ethylbenzene	2500	2440		ug/Kg		97	78 - 124
Isopropylbenzene	2500	2530		ug/Kg		101	76 - 120
Methyl acetate	5000	4460		ug/Kg		89	71 - 123
Methyl tert-butyl ether	2500	1920		ug/Kg		77	67 - 137
Methylcyclohexane	2500	2200		ug/Kg		88	50 - 130
Methylene Chloride	2500	1970		ug/Kg		79	75 - 118
Styrene	2500	2460		ug/Kg		98	80 - 120
Tetrachloroethene	2500	2470		ug/Kg		99	73 - 133
Toluene	2500	2400		ug/Kg		96	75 - 124
trans-1,2-Dichloroethene	2500	2080		ug/Kg		83	74 - 129
Trichloroethene	2500	2200		ug/Kg		88	75 - 131
Trichlorofluoromethane	2500	2150		ug/Kg		86	29 - 158
Vinyl chloride	2500	2070		ug/Kg		83	59 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*53 - 146*
4-Bromofluorobenzene (Surr)	*99*		*49 - 148*
Dibromofluoromethane (Surr)	*89*		*60 - 140*
Toluene-d8 (Surr)	*93*		*50 - 149*

Lab Sample ID: MB 480-697673/2-A
Matrix: Solid
Analysis Batch: 697674

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 697673

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg		01/10/24 17:57	01/10/24 20:56	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg		01/10/24 17:57	01/10/24 20:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		01/10/24 17:57	01/10/24 20:56	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg		01/10/24 17:57	01/10/24 20:56	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg		01/10/24 17:57	01/10/24 20:56	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg		01/10/24 17:57	01/10/24 20:56	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg		01/10/24 17:57	01/10/24 20:56	1

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

Lab Sample ID: MB 480-697673/2-A
Matrix: Solid
Analysis Batch: 697674

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 697673

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg		01/10/24 17:57	01/10/24 20:56	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg		01/10/24 17:57	01/10/24 20:56	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg		01/10/24 17:57	01/10/24 20:56	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg		01/10/24 17:57	01/10/24 20:56	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg		01/10/24 17:57	01/10/24 20:56	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg		01/10/24 17:57	01/10/24 20:56	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg		01/10/24 17:57	01/10/24 20:56	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		01/10/24 17:57	01/10/24 20:56	1
2-Hexanone	ND		25	2.5	ug/Kg		01/10/24 17:57	01/10/24 20:56	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg		01/10/24 17:57	01/10/24 20:56	1
Acetone	ND		25	4.2	ug/Kg		01/10/24 17:57	01/10/24 20:56	1
Benzene	ND		5.0	0.25	ug/Kg		01/10/24 17:57	01/10/24 20:56	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg		01/10/24 17:57	01/10/24 20:56	1
Bromoform	ND		5.0	2.5	ug/Kg		01/10/24 17:57	01/10/24 20:56	1
Bromomethane	ND		5.0	0.45	ug/Kg		01/10/24 17:57	01/10/24 20:56	1
Carbon disulfide	ND		5.0	2.5	ug/Kg		01/10/24 17:57	01/10/24 20:56	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg		01/10/24 17:57	01/10/24 20:56	1
Chlorobenzene	ND		5.0	0.66	ug/Kg		01/10/24 17:57	01/10/24 20:56	1
Chloroethane	ND		5.0	1.1	ug/Kg		01/10/24 17:57	01/10/24 20:56	1
Chloroform	ND		5.0	0.31	ug/Kg		01/10/24 17:57	01/10/24 20:56	1
Chloromethane	ND		5.0	0.30	ug/Kg		01/10/24 17:57	01/10/24 20:56	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg		01/10/24 17:57	01/10/24 20:56	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg		01/10/24 17:57	01/10/24 20:56	1
Cyclohexane	ND		5.0	0.70	ug/Kg		01/10/24 17:57	01/10/24 20:56	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg		01/10/24 17:57	01/10/24 20:56	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg		01/10/24 17:57	01/10/24 20:56	1
Ethylbenzene	ND		5.0	0.35	ug/Kg		01/10/24 17:57	01/10/24 20:56	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg		01/10/24 17:57	01/10/24 20:56	1
Methyl acetate	ND		25	3.0	ug/Kg		01/10/24 17:57	01/10/24 20:56	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg		01/10/24 17:57	01/10/24 20:56	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg		01/10/24 17:57	01/10/24 20:56	1
Methylene Chloride	ND		5.0	2.3	ug/Kg		01/10/24 17:57	01/10/24 20:56	1
Styrene	ND		5.0	0.25	ug/Kg		01/10/24 17:57	01/10/24 20:56	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg		01/10/24 17:57	01/10/24 20:56	1
Toluene	ND		5.0	0.38	ug/Kg		01/10/24 17:57	01/10/24 20:56	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg		01/10/24 17:57	01/10/24 20:56	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg		01/10/24 17:57	01/10/24 20:56	1
Trichloroethene	ND		5.0	1.1	ug/Kg		01/10/24 17:57	01/10/24 20:56	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg		01/10/24 17:57	01/10/24 20:56	1
Vinyl chloride	ND		5.0	0.61	ug/Kg		01/10/24 17:57	01/10/24 20:56	1
Xylenes, Total	ND		10	0.84	ug/Kg		01/10/24 17:57	01/10/24 20:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*64 - 126*	*01/10/24 17:57*	*01/10/24 20:56*	*1*
4-Bromofluorobenzene (Surr)	*103*		*72 - 126*	*01/10/24 17:57*	*01/10/24 20:56*	*1*
Dibromofluoromethane (Surr)	*104*		*60 - 140*	*01/10/24 17:57*	*01/10/24 20:56*	*1*
Toluene-d8 (Surr)	*102*		*71 - 125*	*01/10/24 17:57*	*01/10/24 20:56*	*1*

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

Lab Sample ID: LCS 480-697673/1-A
Matrix: Solid
Analysis Batch: 697674

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 697673

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	50.0	48.3		ug/Kg		97	77 - 121
1,1,2,2-Tetrachloroethane	50.0	51.2		ug/Kg		102	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	50.2		ug/Kg		100	60 - 140
1,1,2-Trichloroethane	50.0	50.5		ug/Kg		101	78 - 122
1,1-Dichloroethane	50.0	47.1		ug/Kg		94	73 - 126
1,1-Dichloroethene	50.0	47.3		ug/Kg		95	59 - 125
1,2,4-Trichlorobenzene	50.0	50.8		ug/Kg		102	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	53.8		ug/Kg		108	63 - 124
1,2-Dibromoethane	50.0	51.2		ug/Kg		102	78 - 120
1,2-Dichlorobenzene	50.0	50.9		ug/Kg		102	75 - 120
1,2-Dichloroethane	50.0	47.7		ug/Kg		95	77 - 122
1,2-Dichloropropane	50.0	49.6		ug/Kg		99	75 - 124
1,3-Dichlorobenzene	50.0	50.4		ug/Kg		101	74 - 120
1,4-Dichlorobenzene	50.0	50.4		ug/Kg		101	73 - 120
2-Butanone (MEK)	250	235		ug/Kg		94	70 - 134
2-Hexanone	250	257		ug/Kg		103	59 - 130
4-Methyl-2-pentanone (MIBK)	250	249		ug/Kg		100	65 - 133
Acetone	250	197		ug/Kg		79	61 - 137
Benzene	50.0	47.8		ug/Kg		96	79 - 127
Bromodichloromethane	50.0	48.5		ug/Kg		97	80 - 122
Bromoform	50.0	53.4		ug/Kg		107	68 - 126
Bromomethane	50.0	45.8		ug/Kg		92	37 - 149
Carbon disulfide	50.0	47.0		ug/Kg		94	64 - 131
Carbon tetrachloride	50.0	49.1		ug/Kg		98	75 - 135
Chlorobenzene	50.0	49.7		ug/Kg		99	76 - 124
Chloroethane	50.0	45.6		ug/Kg		91	69 - 135
Chloroform	50.0	47.5		ug/Kg		95	80 - 120
Chloromethane	50.0	43.6		ug/Kg		87	63 - 127
cis-1,2-Dichloroethene	50.0	46.5		ug/Kg		93	81 - 120
cis-1,3-Dichloropropene	50.0	50.8		ug/Kg		102	80 - 120
Cyclohexane	50.0	48.5		ug/Kg		97	65 - 120
Dibromochloromethane	50.0	53.6		ug/Kg		107	76 - 125
Dichlorodifluoromethane	50.0	41.8		ug/Kg		84	57 - 142
Ethylbenzene	50.0	50.1		ug/Kg		100	80 - 120
Isopropylbenzene	50.0	51.0		ug/Kg		102	72 - 120
Methyl acetate	100	87.9		ug/Kg		88	55 - 136
Methyl tert-butyl ether	50.0	47.6		ug/Kg		95	63 - 125
Methylcyclohexane	50.0	48.1		ug/Kg		96	60 - 140
Methylene Chloride	50.0	49.2		ug/Kg		98	61 - 127
Styrene	50.0	49.2		ug/Kg		98	80 - 120
Tetrachloroethene	50.0	50.7		ug/Kg		101	74 - 122
Toluene	50.0	49.1		ug/Kg		98	74 - 128
trans-1,2-Dichloroethene	50.0	48.2		ug/Kg		96	78 - 126
Trichloroethene	50.0	48.8		ug/Kg		98	77 - 129
Trichlorofluoromethane	50.0	47.8		ug/Kg		96	65 - 146
Vinyl chloride	50.0	44.3		ug/Kg		89	61 - 133

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

Lab Sample ID: LCS 480-697673/1-A
Matrix: Solid
Analysis Batch: 697674

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 697673

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*97*		*64 - 126*
4-Bromofluorobenzene (Surr)	*99*		*72 - 126*
Dibromofluoromethane (Surr)	*100*		*60 - 140*
Toluene-d8 (Surr)	*100*		*71 - 125*

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

Lab Sample ID: MB 480-697400/1-A
Matrix: Solid
Analysis Batch: 697453

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 697400

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		99	54	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
2,4-Dichlorophenol	ND		170	18	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
2,4-Dimethylphenol	ND		170	41	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
2,4-Dinitrophenol	ND		1600	780	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
2,4-Dinitrotoluene	ND		170	35	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
2,6-Dinitrotoluene	ND		170	20	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
2-Chloronaphthalene	ND		170	28	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
2-Chlorophenol	ND		330	31	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
2,4,5-Trichlorophenol	ND		170	46	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
2,4,6-Trichlorophenol	ND		170	34	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
2-Methylnaphthalene	ND		170	34	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
2-Methylphenol	ND		170	20	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
2-Nitroaniline	ND		330	25	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
2-Nitrophenol	ND		170	48	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
3,3'-Dichlorobenzidine	ND		330	200	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
3-Nitroaniline	ND		330	47	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
4,6-Dinitro-2-methylphenol	ND		330	170	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
4-Bromophenyl phenyl ether	ND		170	24	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
4-Chloro-3-methylphenol	ND		170	42	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
4-Chloroaniline	ND		170	42	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
4-Chlorophenyl phenyl ether	ND		170	21	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
4-Methylphenol	ND		330	20	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
4-Nitroaniline	ND		330	88	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
4-Nitrophenol	ND		330	120	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
Acenaphthene	ND		170	25	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
Acenaphthylene	ND		170	22	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
Acetophenone	ND		170	23	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
Anthracene	ND		170	42	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
Atrazine	ND		170	58	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
Benzaldehyde	ND		170	130	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
Benzo[a]anthracene	ND		170	17	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
Benzo[a]pyrene	ND		170	25	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
Benzo[b]fluoranthene	ND		170	27	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
Benzo[g,h,i]perylene	ND		170	18	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
Benzo[k]fluoranthene	ND		170	22	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
Biphenyl	ND		170	25	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
bis (2-chloroisopropyl) ether	ND		170	34	ug/Kg		01/08/24 16:20	01/09/24 11:11	1

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

Lab Sample ID: MB 480-697400/1-A
Matrix: Solid
Analysis Batch: 697453

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 697400

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		170	36	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
Bis(2-chloroethyl)ether	ND		170	22	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
Bis(2-ethylhexyl) phthalate	ND		170	57	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
Butyl benzyl phthalate	ND		170	28	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
Caprolactam	ND		170	51	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
Carbazole	ND		170	20	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
Chrysene	ND		170	38	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
Dibenz(a,h)anthracene	ND		170	30	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
Dibenzofuran	ND		170	20	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
Diethyl phthalate	ND		170	22	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
Dimethyl phthalate	ND		170	20	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
Di-n-butyl phthalate	ND		170	29	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
Di-n-octyl phthalate	ND		170	20	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
Fluoranthene	ND		170	18	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
Fluorene	ND		170	20	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
Hexachlorobenzene	ND		170	23	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
Hexachlorobutadiene	ND		170	25	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
Hexachlorocyclopentadiene	ND		170	23	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
Hexachloroethane	ND		170	22	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
Indeno[1,2,3-cd]pyrene	ND		170	21	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
Isophorone	ND		170	36	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
Naphthalene	ND		170	22	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
Nitrobenzene	ND		170	19	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
N-Nitrosodi-n-propylamine	ND		170	29	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
N-Nitrosodiphenylamine	ND		170	140	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
Pentachlorophenol	ND		330	170	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
Phenanthrene	ND		170	25	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
Phenol	ND		170	26	ug/Kg		01/08/24 16:20	01/09/24 11:11	1
Pyrene	ND		170	20	ug/Kg		01/08/24 16:20	01/09/24 11:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*87*		*54 - 120*	*01/08/24 16:20*	*01/09/24 11:11*	*1*
2-Fluorobiphenyl	*90*		*60 - 120*	*01/08/24 16:20*	*01/09/24 11:11*	*1*
2-Fluorophenol	*78*		*52 - 120*	*01/08/24 16:20*	*01/09/24 11:11*	*1*
Nitrobenzene-d5	*86*		*53 - 120*	*01/08/24 16:20*	*01/09/24 11:11*	*1*
Phenol-d5	*84*		*54 - 120*	*01/08/24 16:20*	*01/09/24 11:11*	*1*
p-Terphenyl-d14	*86*		*79 - 130*	*01/08/24 16:20*	*01/09/24 11:11*	*1*

Lab Sample ID: LCS 480-697400/2-A
Matrix: Solid
Analysis Batch: 697453

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 697400

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	1650	711		ug/Kg		43	23 - 120
2,4-Dichlorophenol	1650	1580		ug/Kg		96	61 - 120
2,4-Dimethylphenol	1650	1530		ug/Kg		93	59 - 120
2,4-Dinitrophenol	3290	3960		ug/Kg		120	41 - 146
2,4-Dinitrotoluene	1650	1720		ug/Kg		104	63 - 120

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

Lab Sample ID: LCS 480-697400/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 697453
Prep Batch: 697400

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,6-Dinitrotoluene	1650	1700		ug/Kg		103	66 - 120
2-Chloronaphthalene	1650	1460		ug/Kg		89	57 - 120
2-Chlorophenol	1650	1360		ug/Kg		82	53 - 120
2,4,5-Trichlorophenol	1650	1650		ug/Kg		100	59 - 126
2,4,6-Trichlorophenol	1650	1650		ug/Kg		100	59 - 123
2-Methylnaphthalene	1650	1500		ug/Kg		91	59 - 120
2-Methylphenol	1650	1380		ug/Kg		84	54 - 120
2-Nitroaniline	1650	1570		ug/Kg		95	61 - 120
2-Nitrophenol	1650	1560		ug/Kg		95	56 - 120
3,3'-Dichlorobenzidine	3290	2770		ug/Kg		84	54 - 120
3-Nitroaniline	1650	1400		ug/Kg		85	48 - 120
4,6-Dinitro-2-methylphenol	3290	3810		ug/Kg		116	49 - 122
4-Bromophenyl phenyl ether	1650	1570		ug/Kg		95	58 - 120
4-Chloro-3-methylphenol	1650	1580		ug/Kg		96	61 - 120
4-Chloroaniline	1650	1350		ug/Kg		82	38 - 120
4-Chlorophenyl phenyl ether	1650	1590		ug/Kg		97	63 - 124
4-Methylphenol	1650	1410		ug/Kg		85	55 - 120
4-Nitroaniline	1650	1570		ug/Kg		95	56 - 120
4-Nitrophenol	3290	3260		ug/Kg		99	43 - 147
Acenaphthene	1650	1550		ug/Kg		94	62 - 120
Acenaphthylene	1650	1480		ug/Kg		90	58 - 121
Acetophenone	1650	1330		ug/Kg		81	54 - 120
Anthracene	1650	1550		ug/Kg		94	62 - 120
Atrazine	3290	3650		ug/Kg		111	60 - 127
Benzaldehyde	3290	2140		ug/Kg		65	10 - 150
Benzo[a]anthracene	1650	1550		ug/Kg		94	65 - 120
Benzo[a]pyrene	1650	1650		ug/Kg		100	64 - 120
Benzo[b]fluoranthene	1650	1560		ug/Kg		95	64 - 120
Benzo[g,h,i]perylene	1650	1550		ug/Kg		94	45 - 145
Benzo[k]fluoranthene	1650	1560		ug/Kg		95	65 - 120
Biphenyl	1650	1490		ug/Kg		91	59 - 120
bis (2-chloroisopropyl) ether	1650	1320		ug/Kg		80	44 - 120
Bis(2-chloroethoxy)methane	1650	1350		ug/Kg		82	55 - 120
Bis(2-chloroethyl)ether	1650	1270		ug/Kg		77	45 - 120
Bis(2-ethylhexyl) phthalate	1650	1450		ug/Kg		88	61 - 133
Butyl benzyl phthalate	1650	1470		ug/Kg		89	61 - 129
Caprolactam	3290	3240		ug/Kg		98	47 - 120
Carbazole	1650	1560		ug/Kg		95	65 - 120
Chrysene	1650	1560		ug/Kg		95	64 - 120
Dibenz(a,h)anthracene	1650	1590		ug/Kg		96	54 - 132
Dibenzofuran	1650	1560		ug/Kg		95	63 - 120
Diethyl phthalate	1650	1570		ug/Kg		95	66 - 120
Dimethyl phthalate	1650	1600		ug/Kg		97	65 - 124
Di-n-butyl phthalate	1650	1530		ug/Kg		93	58 - 130
Di-n-octyl phthalate	1650	1510		ug/Kg		92	57 - 133
Fluoranthene	1650	1650		ug/Kg		100	62 - 120
Fluorene	1650	1530		ug/Kg		93	63 - 120
Hexachlorobenzene	1650	1670		ug/Kg		101	60 - 120
Hexachlorobutadiene	1650	1540		ug/Kg		93	45 - 120

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

Lab Sample ID: LCS 480-697400/2-A
Matrix: Solid
Analysis Batch: 697453

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 697400

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Hexachlorocyclopentadiene	1650	1490		ug/Kg		90	47 - 120
Hexachloroethane	1650	1210		ug/Kg		73	41 - 120
Indeno[1,2,3-cd]pyrene	1650	1770		ug/Kg		107	56 - 134
Isophorone	1650	1470		ug/Kg		89	56 - 120
Naphthalene	1650	1370		ug/Kg		83	55 - 120
Nitrobenzene	1650	1380		ug/Kg		84	54 - 120
N-Nitrosodi-n-propylamine	1650	1370		ug/Kg		83	52 - 120
Pentachlorophenol	3290	3090		ug/Kg		94	10 - 120
Phenanthrene	1650	1550		ug/Kg		94	60 - 120
Phenol	1650	1370		ug/Kg		83	53 - 120
Pyrene	1650	1510		ug/Kg		92	61 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*111*		*54 - 120*
2-Fluorobiphenyl	*96*		*60 - 120*
2-Fluorophenol	*82*		*52 - 120*
Nitrobenzene-d5	*90*		*53 - 120*
Phenol-d5	*87*		*54 - 120*
p-Terphenyl-d14	*94*		*79 - 130*

Lab Sample ID: MB 480-697633/1-A
Matrix: Solid
Analysis Batch: 697733

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 697633

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.010	0.00045	mg/L		01/10/24 13:59	01/11/24 14:03	1
3-Methylphenol	ND		0.010	0.00040	mg/L		01/10/24 13:59	01/11/24 14:03	1
2,4-Dinitrotoluene	ND		0.0050	0.00043	mg/L		01/10/24 13:59	01/11/24 14:03	1
Pyridine	ND		0.025	0.00040	mg/L		01/10/24 13:59	01/11/24 14:03	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		01/10/24 13:59	01/11/24 14:03	1
2,4,6-Trichlorophenol	ND		0.0050	0.00060	mg/L		01/10/24 13:59	01/11/24 14:03	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		01/10/24 13:59	01/11/24 14:03	1
4-Methylphenol	ND		0.010	0.00035	mg/L		01/10/24 13:59	01/11/24 14:03	1
Hexachlorobenzene	ND		0.0050	0.00050	mg/L		01/10/24 13:59	01/11/24 14:03	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		01/10/24 13:59	01/11/24 14:03	1
Hexachloroethane	ND		0.0050	0.00058	mg/L		01/10/24 13:59	01/11/24 14:03	1
Nitrobenzene	ND		0.0050	0.00028	mg/L		01/10/24 13:59	01/11/24 14:03	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		01/10/24 13:59	01/11/24 14:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*100*		*41 - 120*	*01/10/24 13:59*	*01/11/24 14:03*	*1*
2-Fluorobiphenyl	*98*		*48 - 120*	*01/10/24 13:59*	*01/11/24 14:03*	*1*
2-Fluorophenol	*53*		*35 - 120*	*01/10/24 13:59*	*01/11/24 14:03*	*1*
Nitrobenzene-d5	*96*		*46 - 120*	*01/10/24 13:59*	*01/11/24 14:03*	*1*
Phenol-d5	*37*		*22 - 120*	*01/10/24 13:59*	*01/11/24 14:03*	*1*
p-Terphenyl-d14	*96*		*60 - 148*	*01/10/24 13:59*	*01/11/24 14:03*	*1*

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

Lab Sample ID: LCS 480-697633/2-A
Matrix: Solid
Analysis Batch: 697733

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 697633

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dichlorobenzene			0.0500	0.0345		mg/L		69	42 - 120		
3-Methylphenol			0.0500	0.0365		mg/L		73	39 - 120		
2,4-Dinitrotoluene			0.0500	0.0523		mg/L		105	69 - 120		
Pyridine			0.100	0.0365		mg/L		36	10 - 120		
2,4,5-Trichlorophenol			0.0500	0.0489		mg/L		98	65 - 126		
2,4,6-Trichlorophenol			0.0500	0.0510		mg/L		102	64 - 120		
2-Methylphenol			0.0500	0.0377		mg/L		75	39 - 120		
4-Methylphenol			0.0500	0.0365		mg/L		73	29 - 131		
Hexachlorobenzene			0.0500	0.0541		mg/L		108	61 - 120		
Hexachlorobutadiene			0.0500	0.0419		mg/L		84	35 - 120		
Hexachloroethane			0.0500	0.0308		mg/L		62	33 - 120		
Nitrobenzene			0.0500	0.0444		mg/L		89	53 - 123		
Pentachlorophenol			0.100	0.111		mg/L		111	10 - 136		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*124*	*S1+*	*41 - 120*
2-Fluorobiphenyl	*102*		*48 - 120*
2-Fluorophenol	*55*		*35 - 120*
Nitrobenzene-d5	*97*		*46 - 120*
Phenol-d5	*41*		*22 - 120*
p-Terphenyl-d14	*102*		*60 - 148*

Lab Sample ID: LCSD 480-697633/3-A
Matrix: Solid
Analysis Batch: 697733

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 697633

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dichlorobenzene			0.0500	0.0344		mg/L		69	42 - 120	0	36
3-Methylphenol			0.0500	0.0350		mg/L		70	39 - 120	4	30
2,4-Dinitrotoluene			0.0500	0.0529		mg/L		106	69 - 120	1	20
Pyridine			0.100	0.0420		mg/L		42	10 - 120	14	49
2,4,5-Trichlorophenol			0.0500	0.0503		mg/L		101	65 - 126	3	18
2,4,6-Trichlorophenol			0.0500	0.0511		mg/L		102	64 - 120	0	19
2-Methylphenol			0.0500	0.0372		mg/L		74	39 - 120	1	27
4-Methylphenol			0.0500	0.0350		mg/L		70	29 - 131	4	24
Hexachlorobenzene			0.0500	0.0540		mg/L		108	61 - 120	0	15
Hexachlorobutadiene			0.0500	0.0422		mg/L		84	35 - 120	1	44
Hexachloroethane			0.0500	0.0310		mg/L		62	33 - 120	1	46
Nitrobenzene			0.0500	0.0434		mg/L		87	53 - 123	2	24
Pentachlorophenol			0.100	0.106		mg/L		106	10 - 136	5	37

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*121*	*S1+*	*41 - 120*
2-Fluorobiphenyl	*102*		*48 - 120*
2-Fluorophenol	*55*		*35 - 120*
Nitrobenzene-d5	*95*		*46 - 120*
Phenol-d5	*40*		*22 - 120*
p-Terphenyl-d14	*100*		*60 - 148*

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

Lab Sample ID: LB 480-697478/1-F
Matrix: Solid
Analysis Batch: 697733

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 697633

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.040	0.0018	mg/L		01/10/24 13:59	01/11/24 15:17	1
3-Methylphenol	ND		0.040	0.0016	mg/L		01/10/24 13:59	01/11/24 15:17	1
2,4-Dinitrotoluene	ND		0.020	0.0017	mg/L		01/10/24 13:59	01/11/24 15:17	1
Pyridine	ND		0.10	0.0016	mg/L		01/10/24 13:59	01/11/24 15:17	1
2,4,5-Trichlorophenol	ND		0.020	0.0019	mg/L		01/10/24 13:59	01/11/24 15:17	1
2,4,6-Trichlorophenol	ND		0.020	0.0024	mg/L		01/10/24 13:59	01/11/24 15:17	1
2-Methylphenol	ND		0.020	0.0016	mg/L		01/10/24 13:59	01/11/24 15:17	1
4-Methylphenol	ND		0.040	0.0014	mg/L		01/10/24 13:59	01/11/24 15:17	1
Hexachlorobenzene	ND		0.020	0.0020	mg/L		01/10/24 13:59	01/11/24 15:17	1
Hexachlorobutadiene	ND		0.020	0.0027	mg/L		01/10/24 13:59	01/11/24 15:17	1
Hexachloroethane	ND		0.020	0.0023	mg/L		01/10/24 13:59	01/11/24 15:17	1
Nitrobenzene	ND		0.020	0.0011	mg/L		01/10/24 13:59	01/11/24 15:17	1
Pentachlorophenol	ND		0.040	0.0088	mg/L		01/10/24 13:59	01/11/24 15:17	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*115*		*41 - 120*	*01/10/24 13:59*	*01/11/24 15:17*	*1*
2-Fluorobiphenyl	*98*		*48 - 120*	*01/10/24 13:59*	*01/11/24 15:17*	*1*
2-Fluorophenol	*53*		*35 - 120*	*01/10/24 13:59*	*01/11/24 15:17*	*1*
Nitrobenzene-d5	*99*		*46 - 120*	*01/10/24 13:59*	*01/11/24 15:17*	*1*
Phenol-d5	*39*		*22 - 120*	*01/10/24 13:59*	*01/11/24 15:17*	*1*
p-Terphenyl-d14	*106*		*60 - 148*	*01/10/24 13:59*	*01/11/24 15:17*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-697399/1-A
Matrix: Solid
Analysis Batch: 697423

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 697399

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.6	0.32	ug/Kg		01/08/24 16:16	01/09/24 13:15	1
4,4'-DDE	ND		1.6	0.34	ug/Kg		01/08/24 16:16	01/09/24 13:15	1
4,4'-DDT	ND		1.6	0.38	ug/Kg		01/08/24 16:16	01/09/24 13:15	1
Aldrin	ND		1.6	0.40	ug/Kg		01/08/24 16:16	01/09/24 13:15	1
alpha-BHC	ND		1.6	0.29	ug/Kg		01/08/24 16:16	01/09/24 13:15	1
cis-Chlordane	ND		1.6	0.82	ug/Kg		01/08/24 16:16	01/09/24 13:15	1
beta-BHC	ND		1.6	0.29	ug/Kg		01/08/24 16:16	01/09/24 13:15	1
delta-BHC	ND		1.6	0.30	ug/Kg		01/08/24 16:16	01/09/24 13:15	1
Dieldrin	ND		1.6	0.39	ug/Kg		01/08/24 16:16	01/09/24 13:15	1
Endosulfan I	ND		1.6	0.31	ug/Kg		01/08/24 16:16	01/09/24 13:15	1
Endosulfan II	ND		1.6	0.29	ug/Kg		01/08/24 16:16	01/09/24 13:15	1
Endosulfan sulfate	ND		1.6	0.31	ug/Kg		01/08/24 16:16	01/09/24 13:15	1
Endrin	ND		1.6	0.32	ug/Kg		01/08/24 16:16	01/09/24 13:15	1
gamma-BHC (Lindane)	ND		1.6	0.30	ug/Kg		01/08/24 16:16	01/09/24 13:15	1
Heptachlor	ND		1.6	0.35	ug/Kg		01/08/24 16:16	01/09/24 13:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*87*		*45 - 120*	*01/08/24 16:16*	*01/09/24 13:15*	*1*
Tetrachloro-m-xylene	*75*		*30 - 124*	*01/08/24 16:16*	*01/09/24 13:15*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: LCS 480-697399/2-A
Matrix: Solid
Analysis Batch: 697423

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 697399

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	16.6	13.7		ug/Kg		83	56 - 120
4,4'-DDE	16.6	11.5		ug/Kg		70	44 - 120
4,4'-DDT	16.6	13.3		ug/Kg		81	38 - 120
Aldrin	16.6	11.7		ug/Kg		71	38 - 120
alpha-BHC	16.6	10.1		ug/Kg		61	39 - 120
cis-Chlordane	16.6	10.8		ug/Kg		65	47 - 120
beta-BHC	16.6	12.7		ug/Kg		76	40 - 120
delta-BHC	16.6	11.9		ug/Kg		72	45 - 120
Dieldrin	16.6	12.9		ug/Kg		78	58 - 120
Endosulfan I	16.6	12.2		ug/Kg		73	49 - 120
Endosulfan II	16.6	14.9		ug/Kg		90	55 - 120
Endosulfan sulfate	16.6	14.9		ug/Kg		90	49 - 124
Endrin	16.6	13.9		ug/Kg		84	58 - 120
gamma-BHC (Lindane)	16.6	10.9		ug/Kg		66	50 - 120
Heptachlor	16.6	11.5		ug/Kg		69	50 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*91*		*45 - 120*
Tetrachloro-m-xylene	*69*		*30 - 124*

Lab Sample ID: MB 480-697574/1-A
Matrix: Solid
Analysis Batch: 697687

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 697574

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.00050	0.0000073	mg/L		01/10/24 08:45	01/11/24 10:07	1
Heptachlor epoxide	ND		0.000050	0.0000013	mg/L		01/10/24 08:45	01/11/24 10:07	1
Methoxychlor	ND		0.000050	0.0000035	mg/L		01/10/24 08:45	01/11/24 10:07	1
Toxaphene	ND		0.00050	0.000030	mg/L		01/10/24 08:45	01/11/24 10:07	1
Endrin	ND		0.000050	0.0000035	mg/L		01/10/24 08:45	01/11/24 10:07	1
gamma-BHC (Lindane)	ND		0.000050	0.0000015	mg/L		01/10/24 08:45	01/11/24 10:07	1
Heptachlor	ND		0.000050	0.0000021	mg/L		01/10/24 08:45	01/11/24 10:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*49*		*20 - 120*	*01/10/24 08:45*	*01/11/24 10:07*	*1*
Tetrachloro-m-xylene	*73*		*44 - 120*	*01/10/24 08:45*	*01/11/24 10:07*	*1*

Lab Sample ID: LCS 480-697574/2-A
Matrix: Solid
Analysis Batch: 697687

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 697574

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Heptachlor epoxide	0.000500	0.000494		mg/L		99	65 - 125
Methoxychlor	0.000500	0.000396		mg/L		79	50 - 150
Endrin	0.000500	0.000497		mg/L		99	65 - 135
gamma-BHC (Lindane)	0.000500	0.000429		mg/L		86	56 - 120
Heptachlor	0.000500	0.000409		mg/L		82	58 - 120

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

Lab Sample ID: LCS 480-697574/2-A
Matrix: Solid
Analysis Batch: 697687

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 697574

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*54*		*20 - 120*
Tetrachloro-m-xylene	*84*		*44 - 120*

Lab Sample ID: LCSD 480-697574/3-A
Matrix: Solid
Analysis Batch: 697687

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 697574

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Heptachlor epoxide			0.000500	0.000523		mg/L		105	65 - 125	6	23
Methoxychlor			0.000500	0.000405		mg/L		81	50 - 150	2	26
Endrin			0.000500	0.000521		mg/L		104	65 - 135	5	24
gamma-BHC (Lindane)			0.000500	0.000455		mg/L		91	56 - 120	6	24
Heptachlor			0.000500	0.000432		mg/L		86	58 - 120	6	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*51*		*20 - 120*
Tetrachloro-m-xylene	*83*		*44 - 120*

Lab Sample ID: LB 480-697478/1-B
Matrix: Solid
Analysis Batch: 697687

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 697574

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.0020	0.000029	mg/L		01/10/24 08:45	01/11/24 11:26	1
Heptachlor epoxide	ND		0.00020	0.0000053	mg/L		01/10/24 08:45	01/11/24 11:26	1
Methoxychlor	ND		0.00020	0.000014	mg/L		01/10/24 08:45	01/11/24 11:26	1
Toxaphene	ND		0.0020	0.00012	mg/L		01/10/24 08:45	01/11/24 11:26	1
Endrin	ND		0.00020	0.000014	mg/L		01/10/24 08:45	01/11/24 11:26	1
gamma-BHC (Lindane)	ND		0.00020	0.0000060	mg/L		01/10/24 08:45	01/11/24 11:26	1
Heptachlor	ND		0.00020	0.0000085	mg/L		01/10/24 08:45	01/11/24 11:26	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*67*		*20 - 120*	*01/10/24 08:45*	*01/11/24 11:26*	*1*
Tetrachloro-m-xylene	*73*		*44 - 120*	*01/10/24 08:45*	*01/11/24 11:26*	*1*

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

Lab Sample ID: MB 480-697401/1-A
Matrix: Solid
Analysis Batch: 697497

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 697401

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.20	0.040	mg/Kg		01/08/24 16:23	01/09/24 13:34	1
PCB-1221	ND		0.20	0.040	mg/Kg		01/08/24 16:23	01/09/24 13:34	1
PCB-1232	ND		0.20	0.040	mg/Kg		01/08/24 16:23	01/09/24 13:34	1
PCB-1242	ND		0.20	0.040	mg/Kg		01/08/24 16:23	01/09/24 13:34	1
PCB-1248	ND		0.20	0.040	mg/Kg		01/08/24 16:23	01/09/24 13:34	1
PCB-1254	ND		0.20	0.096	mg/Kg		01/08/24 16:23	01/09/24 13:34	1

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

Lab Sample ID: MB 480-697401/1-A
Matrix: Solid
Analysis Batch: 697497

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 697401

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1260	ND		0.20	0.096	mg/Kg		01/08/24 16:23	01/09/24 13:34	1
PCB-1262	ND		0.20	0.096	mg/Kg		01/08/24 16:23	01/09/24 13:34	1
PCB-1268	ND		0.20	0.096	mg/Kg		01/08/24 16:23	01/09/24 13:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*113*		*60 - 154*	*01/08/24 16:23*	*01/09/24 13:34*	*1*
DCB Decachlorobiphenyl	*118*		*65 - 174*	*01/08/24 16:23*	*01/09/24 13:34*	*1*

Lab Sample ID: LCS 480-697401/2-A
Matrix: Solid
Analysis Batch: 697497

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 697401

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			2.17	2.69		mg/Kg		124	51 - 185		
PCB-1260			2.17	2.83		mg/Kg		130	61 - 184		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*126*		*60 - 154*
DCB Decachlorobiphenyl	*140*		*65 - 174*

Lab Sample ID: 480-216227-1 MS
Matrix: Solid
Analysis Batch: 697497

Client Sample ID: AC-TP-1
Prep Type: Total/NA
Prep Batch: 697401

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016	ND		2.80	3.28		mg/Kg	☼	117	50 - 177		
PCB-1260	ND		2.80	3.44		mg/Kg	☼	123	33 - 200		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*120*		*60 - 154*
DCB Decachlorobiphenyl	*130*		*65 - 174*

Lab Sample ID: 480-216227-1 MSD
Matrix: Solid
Analysis Batch: 697497

Client Sample ID: AC-TP-1
Prep Type: Total/NA
Prep Batch: 697401

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	ND		2.55	2.72		mg/Kg	☼	107	50 - 177	19	50
PCB-1260	ND		2.55	2.77		mg/Kg	☼	109	33 - 200	22	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*114*		*60 - 154*
DCB Decachlorobiphenyl	*125*		*65 - 174*

Method: 8151 - TCLP Herbicides

Lab Sample ID: MB 480-697578/1-A
Matrix: Solid
Analysis Batch: 697765

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 697578

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		01/10/24 08:51	01/11/24 13:21	1
2,4-D	ND		0.00050	0.00010	mg/L		01/10/24 08:51	01/11/24 13:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*85*		*21 - 143*	*01/10/24 08:51*	*01/11/24 13:21*	*1*

Lab Sample ID: LCS 480-697578/2-A
Matrix: Solid
Analysis Batch: 697765

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 697578

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Silvex (2,4,5-TP)			0.00200	0.00147		mg/L		74	49 - 150		
2,4-D			0.00200	0.00146		mg/L		73	36 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*95*		*21 - 143*

Lab Sample ID: LB 480-697478/1-D
Matrix: Solid
Analysis Batch: 697765

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 697578

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		01/10/24 08:51	01/11/24 13:55	1
2,4-D	ND		0.0020	0.00040	mg/L		01/10/24 08:51	01/11/24 13:55	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*43*		*21 - 143*	*01/10/24 08:51*	*01/11/24 13:55*	*1*

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 480-698065/1-A
Matrix: Solid
Analysis Batch: 698507

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 698065

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		17	6.0	ug/Kg		01/16/24 07:02	01/22/24 07:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*78*		*28 - 129*	*01/16/24 07:02*	*01/22/24 07:50*	*1*

Lab Sample ID: LCS 480-698065/2-A
Matrix: Solid
Analysis Batch: 698507

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 698065

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Silvex (2,4,5-TP)			66.3	45.6		ug/Kg		69	39 - 125		

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

Lab Sample ID: LCS 480-698065/2-A
Matrix: Solid
Analysis Batch: 698507

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 698065

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid	85		28 - 129

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-697361/1-A
Matrix: Solid
Analysis Batch: 697546

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 697361

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.9	0.38	mg/Kg		01/08/24 14:29	01/09/24 14:30	1
Barium	ND		0.48	0.11	mg/Kg		01/08/24 14:29	01/09/24 14:30	1
Cadmium	ND		0.19	0.029	mg/Kg		01/08/24 14:29	01/09/24 14:30	1
Chromium	ND		0.48	0.19	mg/Kg		01/08/24 14:29	01/09/24 14:30	1
Lead	ND		0.96	0.23	mg/Kg		01/08/24 14:29	01/09/24 14:30	1
Selenium	ND		3.8	0.38	mg/Kg		01/08/24 14:29	01/09/24 14:30	1
Silver	ND		0.57	0.19	mg/Kg		01/08/24 14:29	01/09/24 14:30	1

Lab Sample ID: LCSSRM 480-697361/2-A
Matrix: Solid
Analysis Batch: 697546

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 697361

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	218	168.5		mg/Kg		77.3	57.8 - 110.1
Barium	388	328.5		mg/Kg		84.7	68.3 - 113.9
Cadmium	118	95.73		mg/Kg		81.1	67.0 - 111.9
Chromium	255	207.7		mg/Kg		81.4	63.5 - 118.4
Lead	155	146.3		mg/Kg		94.4	67.7 - 119.4
Selenium	107	86.32		mg/Kg		80.7	58.3 - 121.5
Silver	51.0	41.02		mg/Kg		80.4	64.7 - 120.8

Lab Sample ID: 480-216227-1 MS
Matrix: Solid
Analysis Batch: 697546

Client Sample ID: AC-TP-1
Prep Type: Total/NA
Prep Batch: 697361

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	8.0		48.3	55.38		mg/Kg	☼	98	75 - 125
Barium	65.5	F1 F2	48.3	157.9	F1	mg/Kg	☼	191	75 - 125
Cadmium	0.47		48.3	45.62		mg/Kg	☼	93	75 - 125
Chromium	14.3		48.3	57.14		mg/Kg	☼	89	75 - 125
Lead	23.4	F1 F2	48.3	98.58	F1	mg/Kg	☼	156	75 - 125
Selenium	0.73	J	48.3	43.33		mg/Kg	☼	88	75 - 125
Silver	ND		12.1	11.18		mg/Kg	☼	93	75 - 125

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

Lab Sample ID: 480-216227-1 MSD
Matrix: Solid
Analysis Batch: 697546

Client Sample ID: AC-TP-1
Prep Type: Total/NA
Prep Batch: 697361

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	8.0		45.3	51.02		mg/Kg	☼	95	75 - 125	8	20
Barium	65.5	F1 F2	45.3	122.6	F1 F2	mg/Kg	☼	126	75 - 125	25	20
Cadmium	0.47		45.3	44.56		mg/Kg	☼	97	75 - 125	2	20
Chromium	14.3		45.3	52.68		mg/Kg	☼	85	75 - 125	8	20
Lead	23.4	F1 F2	45.3	64.55	F2	mg/Kg	☼	91	75 - 125	42	20
Selenium	0.73	J	45.3	42.42		mg/Kg	☼	92	75 - 125	2	20
Silver	ND		11.3	11.03		mg/Kg	☼	97	75 - 125	1	20

Lab Sample ID: MB 480-697579/2-A
Matrix: Solid
Analysis Batch: 697870

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 697579

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		01/10/24 09:16	01/11/24 13:22	1
Cadmium	ND		0.0020	0.00050	mg/L		01/10/24 09:16	01/11/24 13:22	1
Chromium	ND		0.020	0.010	mg/L		01/10/24 09:16	01/11/24 13:22	1
Lead	ND		0.020	0.0030	mg/L		01/10/24 09:16	01/11/24 13:22	1
Selenium	ND		0.025	0.0087	mg/L		01/10/24 09:16	01/11/24 13:22	1
Silver	ND		0.0060	0.0017	mg/L		01/10/24 09:16	01/11/24 13:22	1

Lab Sample ID: MB 480-697579/2-A
Matrix: Solid
Analysis Batch: 698427

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 697579

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	ND		1.0	0.10	mg/L		01/10/24 09:16	01/18/24 20:31	1

Lab Sample ID: LCS 480-697579/3-A
Matrix: Solid
Analysis Batch: 697870

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 697579

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	1.00	1.18		mg/L		118	80 - 120
Cadmium	1.00	1.13		mg/L		113	80 - 120
Chromium	1.00	1.04		mg/L		104	80 - 120
Lead	1.00	1.10		mg/L		110	80 - 120
Selenium	1.00	1.16		mg/L		116	80 - 120
Silver	1.00	1.13		mg/L		113	80 - 120

Lab Sample ID: LCS 480-697579/3-A
Matrix: Solid
Analysis Batch: 698427

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 697579

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	1.00	1.08		mg/L		108	80 - 120

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

Lab Sample ID: LB 480-697478/1-C
Matrix: Solid
Analysis Batch: 697870

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 697579

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		01/10/24 09:16	01/11/24 14:05	1
Cadmium	ND		0.0020	0.00050	mg/L		01/10/24 09:16	01/11/24 14:05	1
Chromium	ND		0.020	0.010	mg/L		01/10/24 09:16	01/11/24 14:05	1
Lead	ND		0.020	0.0030	mg/L		01/10/24 09:16	01/11/24 14:05	1
Selenium	ND		0.025	0.0087	mg/L		01/10/24 09:16	01/11/24 14:05	1
Silver	ND		0.0060	0.0017	mg/L		01/10/24 09:16	01/11/24 14:05	1

Lab Sample ID: LB 480-697478/1-C
Matrix: Solid
Analysis Batch: 698427

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 697579

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	ND		1.0	0.10	mg/L		01/10/24 09:16	01/18/24 20:27	1

Lab Sample ID: 480-216227-4 MS
Matrix: Solid
Analysis Batch: 697870

Client Sample ID: DC-WASTE CHAR.
Prep Type: TCLP
Prep Batch: 697579

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.071		1.00	1.19		mg/L		112	75 - 125
Cadmium	ND		1.00	1.08		mg/L		108	75 - 125
Chromium	ND	F1 F2	1.00	1.31	F1	mg/L		131	75 - 125
Lead	0.018	J	1.00	1.10		mg/L		109	75 - 125
Selenium	ND		1.00	1.09		mg/L		109	75 - 125
Silver	ND		1.00	1.09		mg/L		109	75 - 125

Lab Sample ID: 480-216227-4 MS
Matrix: Solid
Analysis Batch: 698427

Client Sample ID: DC-WASTE CHAR.
Prep Type: TCLP
Prep Batch: 697579

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	1.2		1.00	2.31		mg/L		110	75 - 125

Lab Sample ID: 480-216227-4 MSD
Matrix: Solid
Analysis Batch: 697870

Client Sample ID: DC-WASTE CHAR.
Prep Type: TCLP
Prep Batch: 697579

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.071		1.00	1.18		mg/L		111	75 - 125	1	20
Cadmium	ND		1.00	1.07		mg/L		107	75 - 125	1	20
Chromium	ND	F1 F2	1.00	0.987	F2	mg/L		99	75 - 125	28	20
Lead	0.018	J	1.00	1.10		mg/L		109	75 - 125	0	20
Selenium	ND		1.00	1.08		mg/L		108	75 - 125	1	20
Silver	ND		1.00	1.08		mg/L		108	75 - 125	1	20

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

Lab Sample ID: 480-216227-4 MSD
Matrix: Solid
Analysis Batch: 698427

Client Sample ID: DC-WASTE CHAR.
Prep Type: TCLP
Prep Batch: 697579

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Barium	1.2		1.00	2.32		mg/L		111	75 - 125	0	20

Method: 7470A - TCLP Mercury

Lab Sample ID: MB 480-697597/2-A
Matrix: Solid
Analysis Batch: 697670

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 697597

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000133	J	0.00020	0.000043	mg/L		01/10/24 11:31	01/10/24 15:43	1

Lab Sample ID: LCS 480-697597/3-A
Matrix: Solid
Analysis Batch: 697670

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 697597

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00680	0.00611		mg/L		90	80 - 120

Lab Sample ID: LB 480-697478/1-E
Matrix: Solid
Analysis Batch: 697670

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 697597

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000103	J	0.00020	0.000043	mg/L		01/10/24 11:31	01/10/24 15:42	1

Lab Sample ID: 480-216227-4 MS
Matrix: Solid
Analysis Batch: 697670

Client Sample ID: DC-WASTE CHAR.
Prep Type: TCLP
Prep Batch: 697597

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.000067	J B	0.00680	0.00616		mg/L		90	80 - 120

Lab Sample ID: 480-216227-4 MSD
Matrix: Solid
Analysis Batch: 697670

Client Sample ID: DC-WASTE CHAR.
Prep Type: TCLP
Prep Batch: 697597

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.000067	J B	0.00680	0.00637		mg/L		93	80 - 120	3	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-697467/1-A
Matrix: Solid
Analysis Batch: 697509

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 697467

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	0.0046	mg/Kg		01/09/24 11:08	01/09/24 12:52	1

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: LCSSRM 480-697467/2-A ^10
Matrix: Solid
Analysis Batch: 697509

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 697467

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	17.1	8.76		mg/Kg		51.2	36.0 - 109.9

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

Lab Sample ID: LCS 480-697301/1
Matrix: Solid
Analysis Batch: 697301

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	81.00		Degrees F		100	97.5 - 102.5

Method: 9012 - Cyanide, Reactive

Lab Sample ID: MB 480-697663/1-A
Matrix: Solid
Analysis Batch: 697928

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 697663

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10.0	10.0	mg/Kg		01/10/24 13:00	01/11/24 11:07	1

Lab Sample ID: LCS 480-697663/2-A
Matrix: Solid
Analysis Batch: 697928

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 697663

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Reactive	1000	488.8		mg/Kg		49	10 - 100

Method: 9034 - Sulfide, Reactive

Lab Sample ID: MB 480-697669/1-A
Matrix: Solid
Analysis Batch: 697786

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 697669

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	ND		10.0	10.0	mg/Kg		01/10/24 13:00	01/11/24 12:00	1

Lab Sample ID: LCS 480-697669/2-A
Matrix: Solid
Analysis Batch: 697786

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 697669

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide, Reactive	860	661.2		mg/Kg		77	10 - 100

QC Sample Results

Client: CHA Inc
Project/Site: CHGE Danskammer - Freeze Pit

Job ID: 480-216227-1

Method: 9045D - pH

Lab Sample ID: LCS 480-697632/1
Matrix: Solid
Analysis Batch: 697632

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		

QC Association Summary

Client: CHA Inc
Job ID: 480-216227-1
Project/Site: CHGE Danskammer - Freeze Pit

GC/MS VOA

Prep Batch: 697416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216227-1	AC-TP-1	Total/NA	Solid	5035A_L	

Analysis Batch: 697452

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216227-3	DC-TP-1	Total/NA	Solid	8260C	697466
MB 480-697466/3-A	Method Blank	Total/NA	Solid	8260C	697466
LCS 480-697466/1-A	Lab Control Sample	Total/NA	Solid	8260C	697466

Prep Batch: 697466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216227-3	DC-TP-1	Total/NA	Solid	5035A_H	
MB 480-697466/3-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-697466/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	

Leach Batch: 697479

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216227-2	AC-WASTE CHAR.	TCLP	Solid	1311	
480-216227-4	DC-WASTE CHAR.	TCLP	Solid	1311	
LB 480-697479/1-A	Method Blank	TCLP	Solid	1311	

Analysis Batch: 697564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216227-2	AC-WASTE CHAR.	TCLP	Solid	8260C	697479
480-216227-4	DC-WASTE CHAR.	TCLP	Solid	8260C	697479
LB 480-697479/1-A	Method Blank	TCLP	Solid	8260C	697479
MB 480-697564/8	Method Blank	Total/NA	Solid	8260C	
LCS 480-697564/6	Lab Control Sample	Total/NA	Solid	8260C	

Prep Batch: 697673

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-697673/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-697673/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

Analysis Batch: 697674

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216227-1	AC-TP-1	Total/NA	Solid	8260C	697416
MB 480-697673/2-A	Method Blank	Total/NA	Solid	8260C	697673
LCS 480-697673/1-A	Lab Control Sample	Total/NA	Solid	8260C	697673

GC/MS Semi VOA

Prep Batch: 697400

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216227-1	AC-TP-1	Total/NA	Solid	3550C	
480-216227-3	DC-TP-1	Total/NA	Solid	3550C	
MB 480-697400/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-697400/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 697453

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216227-1	AC-TP-1	Total/NA	Solid	8270D	697400

GC/MS Semi VOA (Continued)

Analysis Batch: 697453 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216227-3	DC-TP-1	Total/NA	Solid	8270D	697400
MB 480-697400/1-A	Method Blank	Total/NA	Solid	8270D	697400
LCS 480-697400/2-A	Lab Control Sample	Total/NA	Solid	8270D	697400

Leach Batch: 697478

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216227-2	AC-WASTE CHAR.	TCLP	Solid	1311	
480-216227-4	DC-WASTE CHAR.	TCLP	Solid	1311	
LB 480-697478/1-F	Method Blank	TCLP	Solid	1311	

Prep Batch: 697633

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216227-2	AC-WASTE CHAR.	TCLP	Solid	3510C	697478
480-216227-4	DC-WASTE CHAR.	TCLP	Solid	3510C	697478
LB 480-697478/1-F	Method Blank	TCLP	Solid	3510C	697478
MB 480-697633/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 480-697633/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 480-697633/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Analysis Batch: 697733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216227-2	AC-WASTE CHAR.	TCLP	Solid	8270D	697633
480-216227-4	DC-WASTE CHAR.	TCLP	Solid	8270D	697633
LB 480-697478/1-F	Method Blank	TCLP	Solid	8270D	697633
MB 480-697633/1-A	Method Blank	Total/NA	Solid	8270D	697633
LCS 480-697633/2-A	Lab Control Sample	Total/NA	Solid	8270D	697633
LCSD 480-697633/3-A	Lab Control Sample Dup	Total/NA	Solid	8270D	697633

GC Semi VOA

Prep Batch: 697399

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216227-1	AC-TP-1	Total/NA	Solid	3550C	
480-216227-3	DC-TP-1	Total/NA	Solid	3550C	
MB 480-697399/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-697399/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Prep Batch: 697401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216227-1	AC-TP-1	Total/NA	Solid	3550C	
480-216227-2	AC-WASTE CHAR.	Total/NA	Solid	3550C	
480-216227-3	DC-TP-1	Total/NA	Solid	3550C	
480-216227-4	DC-WASTE CHAR.	Total/NA	Solid	3550C	
MB 480-697401/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-697401/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-216227-1 MS	AC-TP-1	Total/NA	Solid	3550C	
480-216227-1 MSD	AC-TP-1	Total/NA	Solid	3550C	

Analysis Batch: 697423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-697399/1-A	Method Blank	Total/NA	Solid	8081B	697399

GC Semi VOA (Continued)

Analysis Batch: 697423 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-697399/2-A	Lab Control Sample	Total/NA	Solid	8081B	697399

Leach Batch: 697478

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216227-2	AC-WASTE CHAR.	TCLP	Solid	1311	
480-216227-4	DC-WASTE CHAR.	TCLP	Solid	1311	
LB 480-697478/1-B	Method Blank	TCLP	Solid	1311	
LB 480-697478/1-D	Method Blank	TCLP	Solid	1311	

Analysis Batch: 697497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216227-1	AC-TP-1	Total/NA	Solid	8082A	697401
480-216227-2	AC-WASTE CHAR.	Total/NA	Solid	8082A	697401
480-216227-3	DC-TP-1	Total/NA	Solid	8082A	697401
480-216227-4	DC-WASTE CHAR.	Total/NA	Solid	8082A	697401
MB 480-697401/1-A	Method Blank	Total/NA	Solid	8082A	697401
LCS 480-697401/2-A	Lab Control Sample	Total/NA	Solid	8082A	697401
480-216227-1 MS	AC-TP-1	Total/NA	Solid	8082A	697401
480-216227-1 MSD	AC-TP-1	Total/NA	Solid	8082A	697401

Analysis Batch: 697560

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216227-1	AC-TP-1	Total/NA	Solid	8081B	697399
480-216227-3	DC-TP-1	Total/NA	Solid	8081B	697399

Prep Batch: 697574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216227-2	AC-WASTE CHAR.	TCLP	Solid	3510C	697478
480-216227-4	DC-WASTE CHAR.	TCLP	Solid	3510C	697478
LB 480-697478/1-B	Method Blank	TCLP	Solid	3510C	697478
MB 480-697574/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 480-697574/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 480-697574/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Prep Batch: 697578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216227-2	AC-WASTE CHAR.	TCLP	Solid	8151A	697478
480-216227-4	DC-WASTE CHAR.	TCLP	Solid	8151A	697478
LB 480-697478/1-D	Method Blank	TCLP	Solid	8151A	697478
MB 480-697578/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 480-697578/2-A	Lab Control Sample	Total/NA	Solid	8151A	

Analysis Batch: 697687

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216227-2	AC-WASTE CHAR.	TCLP	Solid	8081B	697574
480-216227-4	DC-WASTE CHAR.	TCLP	Solid	8081B	697574
LB 480-697478/1-B	Method Blank	TCLP	Solid	8081B	697574
MB 480-697574/1-A	Method Blank	Total/NA	Solid	8081B	697574
LCS 480-697574/2-A	Lab Control Sample	Total/NA	Solid	8081B	697574
LCSD 480-697574/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	697574

QC Association Summary

Client: CHA Inc
Job ID: 480-216227-1
Project/Site: CHGE Danskammer - Freeze Pit

GC Semi VOA

Analysis Batch: 697765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216227-2	AC-WASTE CHAR.	TCLP	Solid	8151	697578
480-216227-4	DC-WASTE CHAR.	TCLP	Solid	8151	697578
LB 480-697478/1-D	Method Blank	TCLP	Solid	8151	697578
MB 480-697578/1-A	Method Blank	Total/NA	Solid	8151	697578
LCS 480-697578/2-A	Lab Control Sample	Total/NA	Solid	8151	697578

Prep Batch: 698065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216227-1	AC-TP-1	Total/NA	Solid	8151A	
480-216227-3	DC-TP-1	Total/NA	Solid	8151A	
MB 480-698065/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 480-698065/2-A	Lab Control Sample	Total/NA	Solid	8151A	

Analysis Batch: 698507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216227-1	AC-TP-1	Total/NA	Solid	8151A	698065
480-216227-3	DC-TP-1	Total/NA	Solid	8151A	698065
MB 480-698065/1-A	Method Blank	Total/NA	Solid	8151A	698065
LCS 480-698065/2-A	Lab Control Sample	Total/NA	Solid	8151A	698065

Metals

Prep Batch: 697361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216227-1	AC-TP-1	Total/NA	Solid	3050B	
480-216227-3	DC-TP-1	Total/NA	Solid	3050B	
MB 480-697361/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-697361/2-A	Lab Control Sample	Total/NA	Solid	3050B	
480-216227-1 MS	AC-TP-1	Total/NA	Solid	3050B	
480-216227-1 MSD	AC-TP-1	Total/NA	Solid	3050B	

Prep Batch: 697467

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216227-1	AC-TP-1	Total/NA	Solid	7471B	
480-216227-3	DC-TP-1	Total/NA	Solid	7471B	
MB 480-697467/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-697467/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	

Leach Batch: 697478

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216227-2	AC-WASTE CHAR.	TCLP	Solid	1311	
480-216227-4	DC-WASTE CHAR.	TCLP	Solid	1311	
LB 480-697478/1-C	Method Blank	TCLP	Solid	1311	
LB 480-697478/1-E	Method Blank	TCLP	Solid	1311	
480-216227-4 MS	DC-WASTE CHAR.	TCLP	Solid	1311	
480-216227-4 MSD	DC-WASTE CHAR.	TCLP	Solid	1311	

Analysis Batch: 697509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216227-1	AC-TP-1	Total/NA	Solid	7471B	697467
480-216227-3	DC-TP-1	Total/NA	Solid	7471B	697467

Metals (Continued)

Analysis Batch: 697509 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-697467/1-A	Method Blank	Total/NA	Solid	7471B	697467
LCSSRM 480-697467/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	697467

Analysis Batch: 697546

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216227-1	AC-TP-1	Total/NA	Solid	6010C	697361
480-216227-3	DC-TP-1	Total/NA	Solid	6010C	697361
MB 480-697361/1-A	Method Blank	Total/NA	Solid	6010C	697361
LCSSRM 480-697361/2-A	Lab Control Sample	Total/NA	Solid	6010C	697361
480-216227-1 MS	AC-TP-1	Total/NA	Solid	6010C	697361
480-216227-1 MSD	AC-TP-1	Total/NA	Solid	6010C	697361

Prep Batch: 697579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216227-2	AC-WASTE CHAR.	TCLP	Solid	3010A	697478
480-216227-4	DC-WASTE CHAR.	TCLP	Solid	3010A	697478
LB 480-697478/1-C	Method Blank	TCLP	Solid	3010A	697478
MB 480-697579/2-A	Method Blank	Total/NA	Solid	3010A	
LCS 480-697579/3-A	Lab Control Sample	Total/NA	Solid	3010A	
480-216227-4 MS	DC-WASTE CHAR.	TCLP	Solid	3010A	697478
480-216227-4 MSD	DC-WASTE CHAR.	TCLP	Solid	3010A	697478

Prep Batch: 697597

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216227-2	AC-WASTE CHAR.	TCLP	Solid	7470A	697478
480-216227-4	DC-WASTE CHAR.	TCLP	Solid	7470A	697478
LB 480-697478/1-E	Method Blank	TCLP	Solid	7470A	697478
MB 480-697597/2-A	Method Blank	Total/NA	Solid	7470A	
LCS 480-697597/3-A	Lab Control Sample	Total/NA	Solid	7470A	
480-216227-4 MS	DC-WASTE CHAR.	TCLP	Solid	7470A	697478
480-216227-4 MSD	DC-WASTE CHAR.	TCLP	Solid	7470A	697478

Analysis Batch: 697670

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216227-2	AC-WASTE CHAR.	TCLP	Solid	7470A	697597
480-216227-4	DC-WASTE CHAR.	TCLP	Solid	7470A	697597
LB 480-697478/1-E	Method Blank	TCLP	Solid	7470A	697597
MB 480-697597/2-A	Method Blank	Total/NA	Solid	7470A	697597
LCS 480-697597/3-A	Lab Control Sample	Total/NA	Solid	7470A	697597
480-216227-4 MS	DC-WASTE CHAR.	TCLP	Solid	7470A	697597
480-216227-4 MSD	DC-WASTE CHAR.	TCLP	Solid	7470A	697597

Analysis Batch: 697870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216227-2	AC-WASTE CHAR.	TCLP	Solid	6010C	697579
480-216227-4	DC-WASTE CHAR.	TCLP	Solid	6010C	697579
LB 480-697478/1-C	Method Blank	TCLP	Solid	6010C	697579
MB 480-697579/2-A	Method Blank	Total/NA	Solid	6010C	697579
LCS 480-697579/3-A	Lab Control Sample	Total/NA	Solid	6010C	697579
480-216227-4 MS	DC-WASTE CHAR.	TCLP	Solid	6010C	697579
480-216227-4 MSD	DC-WASTE CHAR.	TCLP	Solid	6010C	697579

Metals

Analysis Batch: 698427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216227-2	AC-WASTE CHAR.	TCLP	Solid	6010C	697579
LB 480-697478/1-C	Method Blank	TCLP	Solid	6010C	697579
MB 480-697579/2-A	Method Blank	Total/NA	Solid	6010C	697579
LCS 480-697579/3-A	Lab Control Sample	Total/NA	Solid	6010C	697579
480-216227-4 MS	DC-WASTE CHAR.	TCLP	Solid	6010C	697579
480-216227-4 MSD	DC-WASTE CHAR.	TCLP	Solid	6010C	697579

Analysis Batch: 698453

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216227-4	DC-WASTE CHAR.	TCLP	Solid	6010C	697579

General Chemistry

Analysis Batch: 697301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216227-2	AC-WASTE CHAR.	Total/NA	Solid	1010A	
480-216227-4	DC-WASTE CHAR.	Total/NA	Solid	1010A	
LCS 480-697301/1	Lab Control Sample	Total/NA	Solid	1010A	

Analysis Batch: 697406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216227-1	AC-TP-1	Total/NA	Solid	Moisture	
480-216227-2	AC-WASTE CHAR.	Total/NA	Solid	Moisture	
480-216227-3	DC-TP-1	Total/NA	Solid	Moisture	
480-216227-4	DC-WASTE CHAR.	Total/NA	Solid	Moisture	

Analysis Batch: 697632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216227-2	AC-WASTE CHAR.	Total/NA	Solid	9045D	
480-216227-4	DC-WASTE CHAR.	Total/NA	Solid	9045D	
LCS 480-697632/1	Lab Control Sample	Total/NA	Solid	9045D	

Prep Batch: 697663

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216227-2	AC-WASTE CHAR.	Total/NA	Solid	7.3.3	
480-216227-4	DC-WASTE CHAR.	Total/NA	Solid	7.3.3	
MB 480-697663/1-A	Method Blank	Total/NA	Solid	7.3.3	
LCS 480-697663/2-A	Lab Control Sample	Total/NA	Solid	7.3.3	

Prep Batch: 697669

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216227-2	AC-WASTE CHAR.	Total/NA	Solid	7.3.4	
480-216227-4	DC-WASTE CHAR.	Total/NA	Solid	7.3.4	
MB 480-697669/1-A	Method Blank	Total/NA	Solid	7.3.4	
LCS 480-697669/2-A	Lab Control Sample	Total/NA	Solid	7.3.4	

Analysis Batch: 697786

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216227-2	AC-WASTE CHAR.	Total/NA	Solid	9034	697669
480-216227-4	DC-WASTE CHAR.	Total/NA	Solid	9034	697669
MB 480-697669/1-A	Method Blank	Total/NA	Solid	9034	697669

General Chemistry (Continued)

Analysis Batch: 697786 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-697669/2-A	Lab Control Sample	Total/NA	Solid	9034	697669

Analysis Batch: 697928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216227-2	AC-WASTE CHAR.	Total/NA	Solid	9012	697663
480-216227-4	DC-WASTE CHAR.	Total/NA	Solid	9012	697663
MB 480-697663/1-A	Method Blank	Total/NA	Solid	9012	697663
LCS 480-697663/2-A	Lab Control Sample	Total/NA	Solid	9012	697663

Lab Chronicle

Client: CHA Inc
Project/Site: CHGE Danskammer - Freeze Pit

Job ID: 480-216227-1

Client Sample ID: AC-TP-1
Date Collected: 01/04/24 13:00
Date Received: 01/06/24 09:00

Lab Sample ID: 480-216227-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	697406	DSC	EET BUF	01/08/24 17:08

Client Sample ID: AC-TP-1
Date Collected: 01/04/24 13:00
Date Received: 01/06/24 09:00

Lab Sample ID: 480-216227-1
Matrix: Solid
Percent Solids: 84.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			697416	CDC	EET BUF	01/06/24 12:00
Total/NA	Analysis	8260C		1	697674	LCH	EET BUF	01/10/24 23:27
Total/NA	Prep	3550C			697400	SJM	EET BUF	01/08/24 16:20
Total/NA	Analysis	8270D		1	697453	EMD	EET BUF	01/09/24 15:39
Total/NA	Prep	3550C			697399	SJM	EET BUF	01/08/24 16:16
Total/NA	Analysis	8081B		1	697560	MAN	EET BUF	01/10/24 11:38
Total/NA	Prep	3550C			697401	SJM	EET BUF	01/08/24 16:23
Total/NA	Analysis	8082A		1	697497	NC	EET BUF	01/09/24 14:44
Total/NA	Prep	8151A			698065	SMP	EET BUF	01/16/24 07:02
Total/NA	Analysis	8151A		1	698507	JLS	EET BUF	01/22/24 08:25
Total/NA	Prep	3050B			697361	ESB	EET BUF	01/08/24 14:29
Total/NA	Analysis	6010C		1	697546	BMB	EET BUF	01/09/24 15:16
Total/NA	Prep	7471B			697467	NVK	EET BUF	01/09/24 11:08
Total/NA	Analysis	7471B		1	697509	NVK	EET BUF	01/09/24 13:24

Client Sample ID: AC-WASTE CHAR.
Date Collected: 01/04/24 13:15
Date Received: 01/06/24 09:00

Lab Sample ID: 480-216227-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			697479	SMP	EET BUF	01/09/24 10:19 - 01/10/24 08:53 [1]
TCLP	Analysis	8260C		10	697564	CR	EET BUF	01/10/24 19:12
TCLP	Leach	1311			697478	SMP	EET BUF	01/09/24 10:16 - 01/10/24 08:35 [1]
TCLP	Prep	3510C			697633	LSC	EET BUF	01/10/24 13:59
TCLP	Analysis	8270D		1	697733	EMD	EET BUF	01/11/24 16:29
TCLP	Leach	1311			697478	SMP	EET BUF	01/09/24 10:16 - 01/10/24 08:35 [1]
TCLP	Prep	3510C			697574	JMP	EET BUF	01/10/24 08:45
TCLP	Analysis	8081B		1	697687	MAN	EET BUF	01/11/24 12:25
TCLP	Leach	1311			697478	SMP	EET BUF	01/09/24 10:16 - 01/10/24 08:35 [1]
TCLP	Prep	8151A			697578	JMP	EET BUF	01/10/24 08:51
TCLP	Analysis	8151		1	697765	MAN	EET BUF	01/11/24 14:32
TCLP	Leach	1311			697478	SMP	EET BUF	01/09/24 10:16 - 01/10/24 08:35 [1]
TCLP	Prep	3010A			697579	MP	EET BUF	01/10/24 09:16
TCLP	Analysis	6010C		1	697870	BMB	EET BUF	01/11/24 13:32
TCLP	Leach	1311			697478	SMP	EET BUF	01/09/24 10:16 - 01/10/24 08:35 [1]
TCLP	Prep	3010A			697579	MP	EET BUF	01/10/24 09:16
TCLP	Analysis	6010C		1	698427	BMB	EET BUF	01/18/24 20:42

Lab Chronicle

Client: CHA Inc
Job ID: 480-216227-1
Project/Site: CHGE Danskammer - Freeze Pit

Client Sample ID: AC-WASTE CHAR.
Lab Sample ID: 480-216227-2
Date Collected: 01/04/24 13:15
Matrix: Solid
Date Received: 01/06/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			697478	SMP	EET BUF	01/09/24 10:16 - 01/10/24 08:35 [1]
TCLP	Prep	7470A			697597	NVK	EET BUF	01/10/24 11:31
TCLP	Analysis	7470A		1	697670	NVK	EET BUF	01/10/24 15:47
Total/NA	Analysis	1010A		1	697301	KM	EET BUF	01/08/24 08:21
Total/NA	Prep	7.3.3			697663	AM	EET BUF	01/10/24 13:00
Total/NA	Analysis	9012		1	697928	AM	EET BUF	01/11/24 11:18
Total/NA	Prep	7.3.4			697669	AM	EET BUF	01/10/24 13:00
Total/NA	Analysis	9034		1	697786	AM	EET BUF	01/11/24 12:00
Total/NA	Analysis	9045D		1	697632	KB	EET BUF	01/09/24 17:32
Total/NA	Analysis	Moisture		1	697406	DSC	EET BUF	01/08/24 17:08

Client Sample ID: AC-WASTE CHAR.
Lab Sample ID: 480-216227-2
Date Collected: 01/04/24 13:15
Matrix: Solid
Date Received: 01/06/24 09:00
Percent Solids: 84.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3550C			697401	SJM	EET BUF	01/08/24 16:23
Total/NA	Analysis	8082A		1	697497	NC	EET BUF	01/09/24 15:02

Client Sample ID: DC-TP-1
Lab Sample ID: 480-216227-3
Date Collected: 01/04/24 14:00
Matrix: Solid
Date Received: 01/06/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	697406	DSC	EET BUF	01/08/24 17:08

Client Sample ID: DC-TP-1
Lab Sample ID: 480-216227-3
Date Collected: 01/04/24 14:00
Matrix: Solid
Date Received: 01/06/24 09:00
Percent Solids: 72.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			697466	ZN	EET BUF	01/09/24 09:48
Total/NA	Analysis	8260C		1	697452	ZN	EET BUF	01/09/24 14:58
Total/NA	Prep	3550C			697400	SJM	EET BUF	01/08/24 16:20
Total/NA	Analysis	8270D		1	697453	EMD	EET BUF	01/09/24 16:03
Total/NA	Prep	3550C			697399	SJM	EET BUF	01/08/24 16:16
Total/NA	Analysis	8081B		1	697560	MAN	EET BUF	01/10/24 11:58
Total/NA	Prep	3550C			697401	SJM	EET BUF	01/08/24 16:23
Total/NA	Analysis	8082A		1	697497	NC	EET BUF	01/09/24 15:19
Total/NA	Prep	8151A			698065	SMP	EET BUF	01/16/24 07:02
Total/NA	Analysis	8151A		1	698507	JLS	EET BUF	01/22/24 08:43
Total/NA	Prep	3050B			697361	ESB	EET BUF	01/08/24 14:29
Total/NA	Analysis	6010C		1	697546	BMB	EET BUF	01/09/24 15:34
Total/NA	Prep	7471B			697467	NVK	EET BUF	01/09/24 11:08
Total/NA	Analysis	7471B		1	697509	NVK	EET BUF	01/09/24 13:25

Lab Chronicle

Client: CHA Inc
Job ID: 480-216227-1
Project/Site: CHGE Danskammer - Freeze Pit

Client Sample ID: DC-WASTE CHAR.
Lab Sample ID: 480-216227-4
Date Collected: 01/04/24 14:10
Matrix: Solid
Date Received: 01/06/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			697479	SMP	EET BUF	01/09/24 10:19 - 01/10/24 08:53 [1]
TCLP	Analysis	8260C		10	697564	CR	EET BUF	01/10/24 19:35
TCLP	Leach	1311			697478	SMP	EET BUF	01/09/24 10:16 - 01/10/24 08:35 [1]
TCLP	Prep	3510C			697633	LSC	EET BUF	01/10/24 13:59
TCLP	Analysis	8270D		1	697733	EMD	EET BUF	01/11/24 16:53
TCLP	Leach	1311			697478	SMP	EET BUF	01/09/24 10:16 - 01/10/24 08:35 [1]
TCLP	Prep	3510C			697574	JMP	EET BUF	01/10/24 08:45
TCLP	Analysis	8081B		1	697687	MAN	EET BUF	01/11/24 12:44
TCLP	Leach	1311			697478	SMP	EET BUF	01/09/24 10:16 - 01/10/24 08:35 [1]
TCLP	Prep	8151A			697578	JMP	EET BUF	01/10/24 08:51
TCLP	Analysis	8151		1	697765	MAN	EET BUF	01/11/24 14:51
TCLP	Leach	1311			697478	SMP	EET BUF	01/09/24 10:16 - 01/10/24 08:35 [1]
TCLP	Prep	3010A			697579	MP	EET BUF	01/10/24 09:16
TCLP	Analysis	6010C		1	697870	BMB	EET BUF	01/11/24 13:36
TCLP	Leach	1311			697478	SMP	EET BUF	01/09/24 10:16 - 01/10/24 08:35 [1]
TCLP	Prep	3010A			697579	MP	EET BUF	01/10/24 09:16
TCLP	Analysis	6010C		1	698453	BMB	EET BUF	01/19/24 13:45
TCLP	Leach	1311			697478	SMP	EET BUF	01/09/24 10:16 - 01/10/24 08:35 [1]
TCLP	Prep	7470A			697597	NVK	EET BUF	01/10/24 11:31
TCLP	Analysis	7470A		1	697670	NVK	EET BUF	01/10/24 15:48
Total/NA	Analysis	1010A		1	697301	KM	EET BUF	01/08/24 11:41
Total/NA	Prep	7.3.3			697663	AM	EET BUF	01/10/24 13:00
Total/NA	Analysis	9012		1	697928	AM	EET BUF	01/11/24 11:20
Total/NA	Prep	7.3.4			697669	AM	EET BUF	01/10/24 13:00
Total/NA	Analysis	9034		1	697786	AM	EET BUF	01/11/24 12:00
Total/NA	Analysis	9045D		1	697632	KB	EET BUF	01/09/24 17:32
Total/NA	Analysis	Moisture		1	697406	DSC	EET BUF	01/08/24 17:08

Client Sample ID: DC-WASTE CHAR.
Lab Sample ID: 480-216227-4
Date Collected: 01/04/24 14:10
Matrix: Solid
Date Received: 01/06/24 09:00
Percent Solids: 71.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3550C			697401	SJM	EET BUF	01/08/24 16:23
Total/NA	Analysis	8082A		1	697497	NC	EET BUF	01/09/24 15:37

[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: 480-216227-1
Project/Site: CHGE Danskammer - Freeze Pit

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: 480-216227-1
Project/Site: CHGE Danskammer - Freeze Pit

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	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
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: 480-216227-1
Project/Site: CHGE Danskammer - Freeze Pit

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-216227-1	AC-TP-1	Solid	01/04/24 13:00	01/06/24 09:00
480-216227-2	AC-WASTE CHAR.	Solid	01/04/24 13:15	01/06/24 09:00
480-216227-3	DC-TP-1	Solid	01/04/24 14:00	01/06/24 09:00
480-216227-4	DC-WASTE CHAR.	Solid	01/04/24 14:10	01/06/24 09:00

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

Chain of Custody Record

Syracuse eurofins Environment Testing

#225

Client Information	Sampler: Karyn Ehmann	Lab PM: Beninati, John	Carrier Tracking No(s):	COC No: 480-191546-40218.1
Client Contact: Karyn Ehmann	Phone: 315-257-7250	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin: NY	Page: Page 1 of 2
Company: CHA Inc	PWSID:			Job #:
Address: One Park Place 300 South State Street, Suite 600	Due Date Requested:			
City: Syracuse	TAT Requested (days): Standard			
State, Zip: NY, 13202	Compliance Project: Δ Yes Δ No			
Phone: ~~845-325-2320(Tel)~~ 315-257-7250	PO #: ~~08594104 C/O 1~~ 08594103			
Email: kehmann@chasolutions.com	WO #:			
Project Name: CHGE Danskammer - Freeze Pit	Project #: 48027090			
Site:	SSOW#:			

Analysis Requested

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)	1633_B24 - 1633 B24 Standard List	8260C - TCL VOCs (ML TC)	6010C, 7471B RCRA 8 Metals	8081B, 8082A, 8270D + 1,4 Dioxane	8260C - TCLP Volatiles	6010C, 7470A, 8081B, 8151A, 8270D TCLP	8082A - TCL PCBs	1010A, 9045D	9012_ReactiveCN, 9034_Reactive	~~8081B (WATER) VOCs~~ ~~8270C - TCL SVOCs + 1,4 Dioxane~~ 8151 Herbicides	~~8081B (WATER) TCL Pesticides~~	~~6010C, 7470A~~ 1.4.24 KE	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N	N	N	N	A	N	N	O	
AC-TP-1	1.4.24	1300	G	Solid			X	X	X	X			X			X				PFAS sample in separate cooler. No water samples collected
AC-WasteChar.		1315	G	Solid							X	X	X	X	X					
DC-TP-1		1400	G	Solid			X	X	X	X			X			X				
DC-WasteChar.		1410	G	Solid							X	X	X	X	X					
				Solid																
				Solid																
				Solid																
				Solid																
				Solid																
				Solid																
				Water																

480-216227 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) Level II PDF

Special Instructions/QC Requirements:

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

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		1.5.2024 / 0830	CHA		1-5-24, 0830	
2	R. Ringlick	1-5-2024, 1900			1/6/24 0900	TAB
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 3.0, 2.5

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: CHA Inc

Job Number: 480-216227-1

Login Number: 216227
List Number: 1
Creator: Yeager, Brian A

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 1-6-24 12:00
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.	N/A	
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	CHA
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	