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ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
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Tel: (716)691-2600

Laboratory Job ID: 480-191278-1
Client Project/Site: UMC - Widewaters

For:
AECC
6296 Fly Road
Suite 2
East Syracuse, New York 13057

Attn: Mr. Richard Mckenna

Authorized for release by:
11/5/2021 2:48:32 PM

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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
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

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

Metals

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

Glossary

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

Job ID: 480-191278-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-191278-1

Comments
No additional comments.

Receipt
The samples were received on 10/22/2021 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.5º C.

Receipt Exceptions

The following samples were preserved via freezing on 10/22 1100: TP-2-1 (480-191278-1), TP-4-2 (480-191278-2), TP-6-1 (480-191278-3), TP-9-1 (480-191278-4), TP-10-1 (480-191278-5), TP-11-1 (480-191278-6), TP-12-2 (480-191278-7), TP-13-7 (480-191278-8), TP-5-1 (480-191278-9) and TP-7-1 (480-191278-10) .

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-601955 recovered above the upper control limit for Carbon tetrachloride. The samples associated with this CCV were non-detect for the affected analyte; therefore, the data have been reported. The associated samples are impacted: TP-2-1 (480-191278-1), TP-4-2 (480-191278-2), TP-6-1 (480-191278-3), TP-9-1 (480-191278-4), TP-10-1 (480-191278-5), TP-11-1 (480-191278-6), TP-12-2 (480-191278-7), TP-13-7 (480-191278-8), TP-5-1 (480-191278-9) and TP-7-1 (480-191278-10).

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 following samples were diluted due to color, appearance, and viscosity: TP-2-1 (480-191278-1), TP-4-2 (480-191278-2), TP-6-1 (480-191278-3), TP-9-1 (480-191278-4), TP-10-1 (480-191278-5), TP-11-1 (480-191278-6), (480-191278-A-1-A MS) and (480-191278-A-1-B MSD). Elevated reporting limits (RL) are provided.

Method 8270D: The following compound has been spiked at a level above the upper range of the initial calibration: Benzaldehyde. The laboratory control sample (LCS) associated with preparation batch 480-601807 and analytical batch 480-602015 recovered within acceptable limits for this analyte and has been qualified with an "E" flag.

Method 8270D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 480-601807 and analytical batch 480-602015 were diluted below the method detection limit (MDL) for 2,4-Dinitrophenol; therefore, percent recovery and RPD could not be calculated. The associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8270D: The following samples were diluted due to color, appearance, and viscosity: TP-5-1 (480-191278-9) and TP-7-1 (480-191278-10). Elevated reporting limits (RL) are provided.

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

GC Semi VOA
Method 8081B: The following samples were diluted due to the nature of the sample matrix: TP-2-1 (480-191278-1), TP-4-2 (480-191278-2) and TP-6-1 (480-191278-3). As such, surrogate recoveries are below the calibration range, estimated and not representative. Elevated reporting limits (RLs) are provided.

Method 8081B: The following samples were diluted due to the nature of the sample matrix: (480-191278-B-3-B MS) and (480-191278-B-3-C MSD). As such, spike and surrogate recoveries are below the calibration range, estimated and not representative. Elevated reporting limits (RLs) are provided.

Method 8081B: The method blank for preparation batch 480-601979 contained beta-BHC above the reporting limit (RL). None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed.

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Laboratory: Eurofins TestAmerica, Buffalo (Continued)

Method 8151A: The 2,4-Dichlorophenylacetic acid surrogate recovery for the following samples was outside acceptance limits (high biased) on the confirmation column due to matrix interference: TP-2-1 (480-191278-1), TP-4-2 (480-191278-2), TP-6-1 (480-191278-3), TP-10-1 (480-191278-5) and TP-12-2 (480-191278-7). The recovery is within acceptance limits on the other column, indicating that the extraction process was in control.

Method 8151A: The laboratory control sample (LCS) for preparation batch 460-810026 and analytical batch 460-810653 recovered outside control limits for the following analytes: 2,4-D. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8151A: The continuing calibration verification (CCV) associated with batch 460-810653 recovered above the upper control limit for many analytes . The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8151A: The closing continuing calibration verification (CCVC) associated with batch 460-810653 recovered above the upper control limit for Silvex (2,4,5-TP). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8151A: The closing continuing calibration verification (CCVC) associated with batch 460-810653 recovered above the upper control limit for many analytes>. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8151A: The continuing calibration verification (CCV) associated with batch 460-810653 recovered above the upper control limit for many analytes>. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8151A: The continuing calibration verification (CCV) associated with batch 460-810653 recovered above the upper control limit for <AffectedAnalytes>. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

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

Metals

Method 6010C: The following sample was diluted due to the presence of Total Calcium which interferes with Copper: TP-4-2 (480-191278-2). 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.

Organic Prep

Methods 3550B, 3550C: The following samples required a Florisil clean-up, via EPA Method 3620C, to reduce matrix interferences: TP-2-1 (480-191278-1), TP-4-2 (480-191278-2), TP-6-1 (480-191278-3), TP-10-1 (480-191278-5), TP-12-2 (480-191278-7), (480-191278-B-3 MS) and (480-191278-B-3 MSD).

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

Detection Summary

Client: AECC
Project/Site: UMC - Widewaters

Job ID: 480-191278-1

Client Sample ID: TP-2-1 — Lab Sample ID: 480-191278-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	430	J	1000	100	ug/Kg	5	☼	8270D	Total/NA
Benzo[a]pyrene	430	J	1000	150	ug/Kg	5	☼	8270D	Total/NA
Benzo[b]fluoranthene	520	J	1000	170	ug/Kg	5	☼	8270D	Total/NA
Benzo[g,h,i]perylene	250	J	1000	110	ug/Kg	5	☼	8270D	Total/NA
Benzo[k]fluoranthene	280	J	1000	140	ug/Kg	5	☼	8270D	Total/NA
Chrysene	470	J	1000	230	ug/Kg	5	☼	8270D	Total/NA
Fluoranthene	910	J	1000	110	ug/Kg	5	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	240	J	1000	130	ug/Kg	5	☼	8270D	Total/NA
Phenanthrene	570	J	1000	150	ug/Kg	5	☼	8270D	Total/NA
Pyrene	750	J	1000	120	ug/Kg	5	☼	8270D	Total/NA
4,4'-DDD	2.3	J	10	2.0	ug/Kg	5	☼	8081B	Total/NA
4,4'-DDT	2.5	J	10	2.4	ug/Kg	5	☼	8081B	Total/NA
trans-Chlordane	6.6	J	10	3.2	ug/Kg	5	☼	8081B	Total/NA
Aluminum	11000		12.3	5.4	mg/Kg	1	☼	6010C	Total/NA
Arsenic	4.0		2.5	0.49	mg/Kg	1	☼	6010C	Total/NA
Barium	46.0		0.62	0.14	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.54		0.25	0.035	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.15	J	0.25	0.037	mg/Kg	1	☼	6010C	Total/NA
Calcium	86600		61.7	4.1	mg/Kg	1	☼	6010C	Total/NA
Chromium	14.1		0.62	0.25	mg/Kg	1	☼	6010C	Total/NA
Cobalt	5.7		0.62	0.062	mg/Kg	1	☼	6010C	Total/NA
Copper	13.3		1.2	0.26	mg/Kg	1	☼	6010C	Total/NA
Iron	11200		12.3	4.3	mg/Kg	1	☼	6010C	Total/NA
Lead	18.2		1.2	0.30	mg/Kg	1	☼	6010C	Total/NA
Magnesium	39700		24.7	1.1	mg/Kg	1	☼	6010C	Total/NA
Manganese	233	B	0.25	0.040	mg/Kg	1	☼	6010C	Total/NA
Nickel	13.3		6.2	0.28	mg/Kg	1	☼	6010C	Total/NA
Potassium	3550		37.0	24.7	mg/Kg	1	☼	6010C	Total/NA
Sodium	150	J	173	16.0	mg/Kg	1	☼	6010C	Total/NA
Vanadium	21.8		0.62	0.14	mg/Kg	1	☼	6010C	Total/NA
Zinc	30.1		2.5	0.79	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.039		0.021	0.0049	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: TP-4-2 — Lab Sample ID: 480-191278-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	10	J	19	3.2	ug/Kg	1	☼	8260C	Total/NA
Benzo[a]anthracene	130	J	960	96	ug/Kg	5	☼	8270D	Total/NA
Benzo[b]fluoranthene	190	J	960	150	ug/Kg	5	☼	8270D	Total/NA
Fluoranthene	210	J	960	100	ug/Kg	5	☼	8270D	Total/NA
Pyrene	200	J	960	110	ug/Kg	5	☼	8270D	Total/NA
4,4'-DDD	5.9	J	9.4	1.8	ug/Kg	5	☼	8081B	Total/NA
4,4'-DDE	5.2	J	9.4	2.0	ug/Kg	5	☼	8081B	Total/NA
4,4'-DDT	6.0	J	9.4	2.2	ug/Kg	5	☼	8081B	Total/NA
trans-Chlordane	6.2	J	9.4	3.0	ug/Kg	5	☼	8081B	Total/NA
Aluminum	6850		11.4	5.0	mg/Kg	1	☼	6010C	Total/NA
Antimony	0.51	J	17.1	0.46	mg/Kg	1	☼	6010C	Total/NA
Arsenic	2.9		2.3	0.46	mg/Kg	1	☼	6010C	Total/NA
Barium	37.2		0.57	0.13	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.29		0.23	0.032	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.18	J	0.23	0.034	mg/Kg	1	☼	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample ID: TP-4-2 (Continued) — Lab Sample ID: 480-191278-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	126000		114	7.5	mg/Kg	2	☼	6010C	Total/NA
Chromium	8.7		0.57	0.23	mg/Kg	1	☼	6010C	Total/NA
Cobalt	3.7		0.57	0.057	mg/Kg	1	☼	6010C	Total/NA
Copper	13.3		2.3	0.48	mg/Kg	2	☼	6010C	Total/NA
Iron	7940		11.4	4.0	mg/Kg	1	☼	6010C	Total/NA
Lead	52.5		1.1	0.27	mg/Kg	1	☼	6010C	Total/NA
Magnesium	71500		45.7	2.1	mg/Kg	2	☼	6010C	Total/NA
Manganese	208	B	0.23	0.037	mg/Kg	1	☼	6010C	Total/NA
Nickel	12.5		5.7	0.26	mg/Kg	1	☼	6010C	Total/NA
Potassium	2030		34.3	22.8	mg/Kg	1	☼	6010C	Total/NA
Sodium	149	J	160	14.8	mg/Kg	1	☼	6010C	Total/NA
Vanadium	13.6		0.57	0.13	mg/Kg	1	☼	6010C	Total/NA
Zinc	55.9		2.3	0.73	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.18		0.024	0.0054	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: TP-6-1 — Lab Sample ID: 480-191278-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoranthene	310	J	2000	210	ug/Kg	10	☼	8270D	Total/NA
Pyrene	260	J	2000	240	ug/Kg	10	☼	8270D	Total/NA
trans-Chlordane	8.0	J	20	6.3	ug/Kg	10	☼	8081B	Total/NA
Aluminum	12400		12.3	5.4	mg/Kg	1	☼	6010C	Total/NA
Antimony	0.59	J	18.4	0.49	mg/Kg	1	☼	6010C	Total/NA
Arsenic	3.4		2.5	0.49	mg/Kg	1	☼	6010C	Total/NA
Barium	90.3		0.61	0.14	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.57		0.25	0.034	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.15	J	0.25	0.037	mg/Kg	1	☼	6010C	Total/NA
Calcium	79800		61.5	4.1	mg/Kg	1	☼	6010C	Total/NA
Chromium	16.7		0.61	0.25	mg/Kg	1	☼	6010C	Total/NA
Cobalt	8.6		0.61	0.061	mg/Kg	1	☼	6010C	Total/NA
Copper	19.1		1.2	0.26	mg/Kg	1	☼	6010C	Total/NA
Iron	14100		12.3	4.3	mg/Kg	1	☼	6010C	Total/NA
Lead	47.2		1.2	0.30	mg/Kg	1	☼	6010C	Total/NA
Magnesium	30600		24.6	1.1	mg/Kg	1	☼	6010C	Total/NA
Manganese	303	B	0.25	0.039	mg/Kg	1	☼	6010C	Total/NA
Nickel	22.2		6.1	0.28	mg/Kg	1	☼	6010C	Total/NA
Potassium	3730		36.9	24.6	mg/Kg	1	☼	6010C	Total/NA
Sodium	173		172	16.0	mg/Kg	1	☼	6010C	Total/NA
Vanadium	22.5		0.61	0.14	mg/Kg	1	☼	6010C	Total/NA
Zinc	54.8		2.5	0.79	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.15		0.028	0.0064	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: TP-9-1 — Lab Sample ID: 480-191278-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	130	J	1000	130	ug/Kg	5	☼	8270D	Total/NA
Anthracene	260	J	1000	250	ug/Kg	5	☼	8270D	Total/NA
Benzo[a]anthracene	820	J	1000	100	ug/Kg	5	☼	8270D	Total/NA
Benzo[a]pyrene	770	J	1000	150	ug/Kg	5	☼	8270D	Total/NA
Benzo[b]fluoranthene	1000		1000	160	ug/Kg	5	☼	8270D	Total/NA
Benzo[g,h,i]perylene	530	J	1000	110	ug/Kg	5	☼	8270D	Total/NA
Benzo[k]fluoranthene	380	J	1000	130	ug/Kg	5	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: TP-9-1 (Continued)

Lab Sample ID: 480-191278-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	860	J	1000	340	ug/Kg	5	☼	8270D	Total/NA
Chrysene	780	J	1000	220	ug/Kg	5	☼	8270D	Total/NA
Fluoranthene	1600		1000	110	ug/Kg	5	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	470	J	1000	120	ug/Kg	5	☼	8270D	Total/NA
Phenanthrene	800	J	1000	150	ug/Kg	5	☼	8270D	Total/NA
Pyrene	1300		1000	120	ug/Kg	5	☼	8270D	Total/NA
Aluminum	9070		12.4	5.4	mg/Kg	1	☼	6010C	Total/NA
Arsenic	4.0		2.5	0.50	mg/Kg	1	☼	6010C	Total/NA
Barium	62.3		0.62	0.14	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.42		0.25	0.035	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.19	J	0.25	0.037	mg/Kg	1	☼	6010C	Total/NA
Calcium	43000		61.9	4.1	mg/Kg	1	☼	6010C	Total/NA
Chromium	12.6		0.62	0.25	mg/Kg	1	☼	6010C	Total/NA
Cobalt	5.9		0.62	0.062	mg/Kg	1	☼	6010C	Total/NA
Copper	15.7		1.2	0.26	mg/Kg	1	☼	6010C	Total/NA
Iron	12100		12.4	4.3	mg/Kg	1	☼	6010C	Total/NA
Lead	23.0		1.2	0.30	mg/Kg	1	☼	6010C	Total/NA
Magnesium	8070		24.8	1.1	mg/Kg	1	☼	6010C	Total/NA
Manganese	303	B	0.25	0.040	mg/Kg	1	☼	6010C	Total/NA
Nickel	12.0		6.2	0.28	mg/Kg	1	☼	6010C	Total/NA
Potassium	1930		37.1	24.8	mg/Kg	1	☼	6010C	Total/NA
Sodium	94.3	J	173	16.1	mg/Kg	1	☼	6010C	Total/NA
Vanadium	19.4		0.62	0.14	mg/Kg	1	☼	6010C	Total/NA
Zinc	41.9		2.5	0.79	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.036		0.026	0.0059	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: TP-10-1

Lab Sample ID: 480-191278-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoranthene	120	J	1100	120	ug/Kg	5	☼	8270D	Total/NA
trans-Chlordane	0.99	J	2.1	0.68	ug/Kg	1	☼	8081B	Total/NA
Aluminum	11500		12.6	5.5	mg/Kg	1	☼	6010C	Total/NA
Antimony	0.87	J	18.9	0.50	mg/Kg	1	☼	6010C	Total/NA
Arsenic	4.5		2.5	0.50	mg/Kg	1	☼	6010C	Total/NA
Barium	81.0		0.63	0.14	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.52		0.25	0.035	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.37		0.25	0.038	mg/Kg	1	☼	6010C	Total/NA
Calcium	59800		63.1	4.2	mg/Kg	1	☼	6010C	Total/NA
Chromium	16.4		0.63	0.25	mg/Kg	1	☼	6010C	Total/NA
Cobalt	7.2		0.63	0.063	mg/Kg	1	☼	6010C	Total/NA
Copper	19.7		1.3	0.26	mg/Kg	1	☼	6010C	Total/NA
Iron	14100		12.6	4.4	mg/Kg	1	☼	6010C	Total/NA
Lead	65.4		1.3	0.30	mg/Kg	1	☼	6010C	Total/NA
Magnesium	23100		25.2	1.2	mg/Kg	1	☼	6010C	Total/NA
Manganese	318	B	0.25	0.040	mg/Kg	1	☼	6010C	Total/NA
Nickel	17.6		6.3	0.29	mg/Kg	1	☼	6010C	Total/NA
Potassium	3040		37.8	25.2	mg/Kg	1	☼	6010C	Total/NA
Sodium	137	J	177	16.4	mg/Kg	1	☼	6010C	Total/NA
Vanadium	21.7		0.63	0.14	mg/Kg	1	☼	6010C	Total/NA
Zinc	88.7		2.5	0.81	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.080		0.022	0.0050	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: AECC
Project/Site: UMC - Widewaters

Job ID: 480-191278-1

Client Sample ID: TP-11-1 — Lab Sample ID: 480-191278-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	150	J	980	130	ug/Kg	5	☼	8270D	Total/NA
Benzo[a]anthracene	600	J	980	98	ug/Kg	5	☼	8270D	Total/NA
Benzo[a]pyrene	630	J	980	140	ug/Kg	5	☼	8270D	Total/NA
Benzo[b]fluoranthene	810	J	980	160	ug/Kg	5	☼	8270D	Total/NA
Benzo[g,h,i]perylene	480	J	980	100	ug/Kg	5	☼	8270D	Total/NA
Benzo[k]fluoranthene	300	J	980	130	ug/Kg	5	☼	8270D	Total/NA
Chrysene	590	J	980	220	ug/Kg	5	☼	8270D	Total/NA
Fluoranthene	1200		980	100	ug/Kg	5	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	410	J	980	120	ug/Kg	5	☼	8270D	Total/NA
Phenanthrene	580	J	980	140	ug/Kg	5	☼	8270D	Total/NA
Pyrene	940	J	980	110	ug/Kg	5	☼	8270D	Total/NA
Aluminum	11800		11.8	5.2	mg/Kg	1	☼	6010C	Total/NA
Antimony	0.56	J	17.7	0.47	mg/Kg	1	☼	6010C	Total/NA
Arsenic	4.0		2.4	0.47	mg/Kg	1	☼	6010C	Total/NA
Barium	60.2		0.59	0.13	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.57		0.24	0.033	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.18	J	0.24	0.035	mg/Kg	1	☼	6010C	Total/NA
Calcium	44900		59.0	3.9	mg/Kg	1	☼	6010C	Total/NA
Chromium	16.1		0.59	0.24	mg/Kg	1	☼	6010C	Total/NA
Cobalt	7.3		0.59	0.059	mg/Kg	1	☼	6010C	Total/NA
Copper	20.7		1.2	0.25	mg/Kg	1	☼	6010C	Total/NA
Iron	13900		11.8	4.1	mg/Kg	1	☼	6010C	Total/NA
Lead	22.0		1.2	0.28	mg/Kg	1	☼	6010C	Total/NA
Magnesium	20300		23.6	1.1	mg/Kg	1	☼	6010C	Total/NA
Manganese	266	B	0.24	0.038	mg/Kg	1	☼	6010C	Total/NA
Nickel	17.5		5.9	0.27	mg/Kg	1	☼	6010C	Total/NA
Potassium	3550		35.4	23.6	mg/Kg	1	☼	6010C	Total/NA
Sodium	121	J	165	15.3	mg/Kg	1	☼	6010C	Total/NA
Vanadium	22.3		0.59	0.13	mg/Kg	1	☼	6010C	Total/NA
Zinc	47.3		2.4	0.76	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.040		0.016	0.0038	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: TP-12-2 — Lab Sample ID: 480-191278-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.7	J	19	3.3	ug/Kg	1	☼	8260C	Total/NA
Acenaphthylene	37	J	190	25	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	93	J	190	19	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	140	J	190	28	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	180	J	190	30	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	140	J	190	20	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	61	J	190	25	ug/Kg	1	☼	8270D	Total/NA
Chrysene	110	J	190	43	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	160	J	190	20	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	120	J	190	24	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	57	J	190	28	ug/Kg	1	☼	8270D	Total/NA
Pyrene	150	J	190	22	ug/Kg	1	☼	8270D	Total/NA
beta-BHC	0.51	J B	1.9	0.34	ug/Kg	1	☼	8081B	Total/NA
delta-BHC	0.41	J	1.9	0.35	ug/Kg	1	☼	8081B	Total/NA
Endrin ketone	1.9		1.9	0.46	ug/Kg	1	☼	8081B	Total/NA
trans-Chlordane	0.70	J	1.9	0.60	ug/Kg	1	☼	8081B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample ID: TP-12-2 (Continued)

Lab Sample ID: 480-191278-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	7000		11.8	5.2	mg/Kg	1	☼	6010C	Total/NA
Antimony	0.57	J	17.7	0.47	mg/Kg	1	☼	6010C	Total/NA
Arsenic	3.5		2.4	0.47	mg/Kg	1	☼	6010C	Total/NA
Barium	30.8		0.59	0.13	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.31		0.24	0.033	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.12	J	0.24	0.035	mg/Kg	1	☼	6010C	Total/NA
Calcium	65900		59.0	3.9	mg/Kg	1	☼	6010C	Total/NA
Chromium	12.1		0.59	0.24	mg/Kg	1	☼	6010C	Total/NA
Cobalt	4.6		0.59	0.059	mg/Kg	1	☼	6010C	Total/NA
Copper	16.1		1.2	0.25	mg/Kg	1	☼	6010C	Total/NA
Iron	9160		11.8	4.1	mg/Kg	1	☼	6010C	Total/NA
Lead	20.8		1.2	0.28	mg/Kg	1	☼	6010C	Total/NA
Magnesium	19400		23.6	1.1	mg/Kg	1	☼	6010C	Total/NA
Manganese	240	B	0.24	0.038	mg/Kg	1	☼	6010C	Total/NA
Nickel	11.4		5.9	0.27	mg/Kg	1	☼	6010C	Total/NA
Potassium	2640		35.4	23.6	mg/Kg	1	☼	6010C	Total/NA
Sodium	123	J	165	15.3	mg/Kg	1	☼	6010C	Total/NA
Vanadium	17.5		0.59	0.13	mg/Kg	1	☼	6010C	Total/NA
Zinc	20.2		2.4	0.76	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.013	J	0.026	0.0059	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: TP-13-7

Lab Sample ID: 480-191278-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	39		33	2.4	ug/Kg	1	☼	8260C	Total/NA
Acetone	160		33	5.6	ug/Kg	1	☼	8260C	Total/NA
Benzo[b]fluoranthene	51	J	270	43	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	31	J	270	29	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	83	J	270	29	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	44	J	270	40	ug/Kg	1	☼	8270D	Total/NA
Pyrene	72	J	270	32	ug/Kg	1	☼	8270D	Total/NA
Aluminum	22300		16.7	7.3	mg/Kg	1	☼	6010C	Total/NA
Antimony	1.2	J	25.0	0.67	mg/Kg	1	☼	6010C	Total/NA
Arsenic	5.9		3.3	0.67	mg/Kg	1	☼	6010C	Total/NA
Barium	145		0.83	0.18	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.88		0.33	0.047	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.44		0.33	0.050	mg/Kg	1	☼	6010C	Total/NA
Calcium	11600		83.4	5.5	mg/Kg	1	☼	6010C	Total/NA
Chromium	27.3		0.83	0.33	mg/Kg	1	☼	6010C	Total/NA
Cobalt	10.2		0.83	0.083	mg/Kg	1	☼	6010C	Total/NA
Copper	30.8		1.7	0.35	mg/Kg	1	☼	6010C	Total/NA
Iron	18400		16.7	5.8	mg/Kg	1	☼	6010C	Total/NA
Lead	42.2		1.7	0.40	mg/Kg	1	☼	6010C	Total/NA
Magnesium	8440		33.3	1.5	mg/Kg	1	☼	6010C	Total/NA
Manganese	197	B	0.33	0.053	mg/Kg	1	☼	6010C	Total/NA
Nickel	24.0		8.3	0.38	mg/Kg	1	☼	6010C	Total/NA
Potassium	4150		50.0	33.3	mg/Kg	1	☼	6010C	Total/NA
Sodium	105	J	233	21.7	mg/Kg	1	☼	6010C	Total/NA
Vanadium	36.1		0.83	0.18	mg/Kg	1	☼	6010C	Total/NA
Zinc	76.5		3.3	1.1	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.19		0.028	0.0065	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: AECC
Project/Site: UMC - Widewaters

Job ID: 480-191278-1

Client Sample ID: TP-5-1 — Lab Sample ID: 480-191278-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	410	J	1200	120	ug/Kg	5	☼	8270D	Total/NA
Benzo[a]pyrene	400	J	1200	170	ug/Kg	5	☼	8270D	Total/NA
Benzo[b]fluoranthene	590	J	1200	190	ug/Kg	5	☼	8270D	Total/NA
Benzo[g,h,i]perylene	230	J	1200	130	ug/Kg	5	☼	8270D	Total/NA
Benzo[k]fluoranthene	170	J	1200	150	ug/Kg	5	☼	8270D	Total/NA
Chrysene	480	J	1200	260	ug/Kg	5	☼	8270D	Total/NA
Fluoranthene	910	J	1200	130	ug/Kg	5	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	220	J	1200	150	ug/Kg	5	☼	8270D	Total/NA
Phenanthrene	450	J	1200	170	ug/Kg	5	☼	8270D	Total/NA
Pyrene	720	J	1200	140	ug/Kg	5	☼	8270D	Total/NA
Aluminum	10200		13.8	6.1	mg/Kg	1	☼	6010C	Total/NA
Antimony	0.66	J	20.7	0.55	mg/Kg	1	☼	6010C	Total/NA
Arsenic	4.8		2.8	0.55	mg/Kg	1	☼	6010C	Total/NA
Barium	85.3		0.69	0.15	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.48		0.28	0.039	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.21	J	0.28	0.041	mg/Kg	1	☼	6010C	Total/NA
Calcium	78800		69.1	4.6	mg/Kg	1	☼	6010C	Total/NA
Chromium	13.7		0.69	0.28	mg/Kg	1	☼	6010C	Total/NA
Cobalt	7.1		0.69	0.069	mg/Kg	1	☼	6010C	Total/NA
Copper	24.7		1.4	0.29	mg/Kg	1	☼	6010C	Total/NA
Iron	15000		13.8	4.8	mg/Kg	1	☼	6010C	Total/NA
Lead	54.9		1.4	0.33	mg/Kg	1	☼	6010C	Total/NA
Magnesium	26300		27.6	1.3	mg/Kg	1	☼	6010C	Total/NA
Manganese	380	B	0.28	0.044	mg/Kg	1	☼	6010C	Total/NA
Nickel	17.6		6.9	0.32	mg/Kg	1	☼	6010C	Total/NA
Potassium	2640		41.4	27.6	mg/Kg	1	☼	6010C	Total/NA
Sodium	146	J	193	18.0	mg/Kg	1	☼	6010C	Total/NA
Vanadium	20.2		0.69	0.15	mg/Kg	1	☼	6010C	Total/NA
Zinc	66.4		2.8	0.88	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.13		0.025	0.0057	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: TP-7-1 — Lab Sample ID: 480-191278-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	150	J	1100	140	ug/Kg	5	☼	8270D	Total/NA
Anthracene	320	J	1100	270	ug/Kg	5	☼	8270D	Total/NA
Benzo[a]anthracene	990	J	1100	110	ug/Kg	5	☼	8270D	Total/NA
Benzo[a]pyrene	1100		1100	160	ug/Kg	5	☼	8270D	Total/NA
Benzo[b]fluoranthene	1400		1100	170	ug/Kg	5	☼	8270D	Total/NA
Benzo[g,h,i]perylene	790	J	1100	110	ug/Kg	5	☼	8270D	Total/NA
Benzo[k]fluoranthene	630	J	1100	140	ug/Kg	5	☼	8270D	Total/NA
Chrysene	1000	J	1100	240	ug/Kg	5	☼	8270D	Total/NA
Fluoranthene	1900		1100	110	ug/Kg	5	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	690	J	1100	130	ug/Kg	5	☼	8270D	Total/NA
Phenanthrene	780	J	1100	160	ug/Kg	5	☼	8270D	Total/NA
Pyrene	1600		1100	130	ug/Kg	5	☼	8270D	Total/NA
Aluminum	9220		13.5	5.9	mg/Kg	1	☼	6010C	Total/NA
Arsenic	3.4		2.7	0.54	mg/Kg	1	☼	6010C	Total/NA
Barium	55.6		0.67	0.15	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.39		0.27	0.038	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.16	J	0.27	0.040	mg/Kg	1	☼	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample ID: TP-7-1 (Continued)

Lab Sample ID: 480-191278-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	88800		67.3	4.4	mg/Kg	1	☼	6010C	Total/NA
Chromium	12.8		0.67	0.27	mg/Kg	1	☼	6010C	Total/NA
Cobalt	5.4		0.67	0.067	mg/Kg	1	☼	6010C	Total/NA
Copper	15.4		1.3	0.28	mg/Kg	1	☼	6010C	Total/NA
Iron	11000		13.5	4.7	mg/Kg	1	☼	6010C	Total/NA
Lead	21.3		1.3	0.32	mg/Kg	1	☼	6010C	Total/NA
Magnesium	13800		26.9	1.2	mg/Kg	1	☼	6010C	Total/NA
Manganese	276	B	0.27	0.043	mg/Kg	1	☼	6010C	Total/NA
Nickel	11.6		6.7	0.31	mg/Kg	1	☼	6010C	Total/NA
Potassium	2140		40.4	26.9	mg/Kg	1	☼	6010C	Total/NA
Sodium	148	J	188	17.5	mg/Kg	1	☼	6010C	Total/NA
Vanadium	18.9		0.67	0.15	mg/Kg	1	☼	6010C	Total/NA
Zinc	40.1		2.7	0.86	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.046		0.026	0.0059	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Client: AECC
Project/Site: UMC - Widewaters

Job ID: 480-191278-1

Client Sample ID: TP-2-1
Date Collected: 10/21/21 11:50
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-1
Matrix: Solid
Percent Solids: 81.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.8	0.42	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
1,1,2,2-Tetrachloroethane	ND		5.8	0.94	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.8	1.3	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
1,1,2-Trichloroethane	ND		5.8	0.75	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
1,1-Dichloroethane	ND		5.8	0.71	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
1,1-Dichloroethene	ND		5.8	0.71	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
1,2,4-Trichlorobenzene	ND		5.8	0.35	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
1,2,4-Trimethylbenzene	ND		5.8	1.1	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
1,2-Dibromo-3-Chloropropane	ND		5.8	2.9	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
1,2-Dichlorobenzene	ND		5.8	0.45	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
1,2-Dichloroethane	ND		5.8	0.29	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
1,2-Dichloropropane	ND		5.8	2.9	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
1,3,5-Trimethylbenzene	ND		5.8	0.37	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
1,3-Dichlorobenzene	ND		5.8	0.30	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
1,4-Dichlorobenzene	ND		5.8	0.81	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
2-Butanone (MEK)	ND		29	2.1	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
2-Hexanone	ND		29	2.9	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
4-Isopropyltoluene	ND		5.8	0.46	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
4-Methyl-2-pentanone (MIBK)	ND		29	1.9	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
Acetone	ND		29	4.9	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
Benzene	ND		5.8	0.28	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
Bromoform	ND		5.8	2.9	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
Bromomethane	ND		5.8	0.52	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
Carbon disulfide	ND		5.8	2.9	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
Carbon tetrachloride	ND		5.8	0.56	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
Chlorobenzene	ND		5.8	0.76	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
Dibromochloromethane	ND		5.8	0.74	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
Chloroethane	ND		5.8	1.3	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
Chloroform	ND		5.8	0.36	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
Chloromethane	ND		5.8	0.35	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
cis-1,2-Dichloroethene	ND		5.8	0.74	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
Cyclohexane	ND		5.8	0.81	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
Bromodichloromethane	ND		5.8	0.78	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
Dichlorodifluoromethane	ND		5.8	0.48	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
Ethylbenzene	ND		5.8	0.40	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
1,2-Dibromoethane	ND		5.8	0.74	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
Isopropylbenzene	ND		5.8	0.87	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
Methyl acetate	ND		29	3.5	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
Methyl tert-butyl ether	ND		5.8	0.57	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
Methylcyclohexane	ND		5.8	0.88	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
Methylene Chloride	ND		5.8	2.7	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
m,p-Xylene	ND		12	0.97	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
Naphthalene	ND		5.8	0.78	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
n-Butylbenzene	ND		5.8	0.50	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
N-Propylbenzene	ND		5.8	0.46	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
o-Xylene	ND		5.8	0.76	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
sec-Butylbenzene	ND		5.8	0.50	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
Tetrachloroethene	ND		5.8	0.78	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
Toluene	ND		5.8	0.44	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1

Client Sample ID: TP-2-1
Date Collected: 10/21/21 11:50
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-1
Matrix: Solid
Percent Solids: 81.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		5.8	0.60	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
trans-1,3-Dichloropropene	ND		5.8	2.5	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
Trichloroethene	ND		5.8	1.3	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
Trichlorofluoromethane	ND		5.8	0.55	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
Vinyl chloride	ND		5.8	0.71	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
Xylenes, Total	ND		12	0.97	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
cis-1,3-Dichloropropene	ND		5.8	0.83	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
Styrene	ND		5.8	0.29	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1
tert-Butylbenzene	ND		5.8	0.60	ug/Kg	☼	10/22/21 11:00	10/25/21 20:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*64 - 126*	*10/22/21 11:00*	*10/25/21 20:12*	*1*
4-Bromofluorobenzene (Surr)	*97*		*72 - 126*	*10/22/21 11:00*	*10/25/21 20:12*	*1*
Toluene-d8 (Surr)	*95*		*71 - 125*	*10/22/21 11:00*	*10/25/21 20:12*	*1*
Dibromofluoromethane (Surr)	*103*		*60 - 140*	*10/22/21 11:00*	*10/25/21 20:12*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		1000	150	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
bis (2-chloroisopropyl) ether	ND		1000	210	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
2,4,5-Trichlorophenol	ND		1000	280	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
2,4,6-Trichlorophenol	ND		1000	210	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
2,4-Dichlorophenol	ND		1000	110	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
2,4-Dimethylphenol	ND		1000	250	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
2,4-Dinitrophenol	ND		10000	4800	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
2,4-Dinitrotoluene	ND		1000	220	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
2,6-Dinitrotoluene	ND		1000	120	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
2-Chloronaphthalene	ND		1000	170	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
2-Chlorophenol	ND		2000	190	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
2-Methylnaphthalene	ND		1000	210	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
2-Methylphenol	ND		1000	120	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
2-Nitroaniline	ND		2000	150	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
2-Nitrophenol	ND		1000	300	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
3,3'-Dichlorobenzidine	ND		2000	1200	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
3-Nitroaniline	ND		2000	290	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
4,6-Dinitro-2-methylphenol	ND		2000	1000	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
4-Bromophenyl phenyl ether	ND		1000	150	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
4-Chloro-3-methylphenol	ND		1000	260	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
4-Chloroaniline	ND		1000	260	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
4-Chlorophenyl phenyl ether	ND		1000	130	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
4-Methylphenol	ND		2000	120	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
4-Nitroaniline	ND		2000	550	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
4-Nitrophenol	ND		2000	730	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
Acenaphthene	ND		1000	150	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
Acenaphthylene	ND		1000	140	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
Acetophenone	ND		1000	140	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
Anthracene	ND		1000	260	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
Atrazine	ND		1000	360	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
Benzaldehyde	ND		1000	830	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
Benzo[a]anthracene	**430**	**J**	1000	100	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5

Client: AECC
Project/Site: UMC - Widewaters

Job ID: 480-191278-1

Client Sample ID: TP-2-1
Date Collected: 10/21/21 11:50
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-1
Matrix: Solid
Percent Solids: 81.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**430**	**J**	1000	150	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
Benzo[b]fluoranthene	**520**	**J**	1000	170	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
Benzo[g,h,i]perylene	**250**	**J**	1000	110	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
Benzo[k]fluoranthene	**280**	**J**	1000	140	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
Bis(2-chloroethoxy)methane	ND		1000	220	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
Bis(2-chloroethyl)ether	ND		1000	140	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
Bis(2-ethylhexyl) phthalate	ND		1000	360	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
Butyl benzyl phthalate	ND		1000	170	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
Caprolactam	ND		1000	310	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
Carbazole	ND		1000	120	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
Chrysene	**470**	**J**	1000	230	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
Di-n-butyl phthalate	ND		1000	180	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
Di-n-octyl phthalate	ND		1000	120	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
Dibenz(a,h)anthracene	ND		1000	180	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
Dibenzofuran	ND		1000	120	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
Diethyl phthalate	ND		1000	140	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
Dimethyl phthalate	ND		1000	120	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
Fluoranthene	**910**	**J**	1000	110	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
Fluorene	ND		1000	120	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
Hexachlorobenzene	ND		1000	140	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
Hexachlorobutadiene	ND		1000	150	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
Hexachlorocyclopentadiene	ND		1000	140	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
Hexachloroethane	ND		1000	140	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
Indeno[1,2,3-cd]pyrene	**240**	**J**	1000	130	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
Isophorone	ND		1000	220	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
N-Nitrosodi-n-propylamine	ND		1000	180	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
N-Nitrosodiphenylamine	ND		1000	850	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
Naphthalene	ND		1000	140	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
Nitrobenzene	ND		1000	120	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
Pentachlorophenol	ND		2000	1000	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
Phenanthrene	**570**	**J**	1000	150	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
Phenol	ND		1000	160	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5
Pyrene	**750**	**J**	1000	120	ug/Kg	☼	10/25/21 08:26	10/26/21 23:37	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*64*		*54 - 120*	*10/25/21 08:26*	*10/26/21 23:37*	*5*
2-Fluorobiphenyl	*94*		*60 - 120*	*10/25/21 08:26*	*10/26/21 23:37*	*5*
2-Fluorophenol	*80*		*52 - 120*	*10/25/21 08:26*	*10/26/21 23:37*	*5*
Nitrobenzene-d5	*84*		*53 - 120*	*10/25/21 08:26*	*10/26/21 23:37*	*5*
p-Terphenyl-d14	*101*		*79 - 130*	*10/25/21 08:26*	*10/26/21 23:37*	*5*
Phenol-d5	*86*		*54 - 120*	*10/25/21 08:26*	*10/26/21 23:37*	*5*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	**2.3**	**J**	10	2.0	ug/Kg	☼	10/26/21 07:57	10/27/21 12:13	5
4,4'-DDE	ND		10	2.1	ug/Kg	☼	10/26/21 07:57	10/27/21 12:13	5
4,4'-DDT	**2.5**	**J**	10	2.4	ug/Kg	☼	10/26/21 07:57	10/27/21 12:13	5
Aldrin	ND		10	2.5	ug/Kg	☼	10/26/21 07:57	10/27/21 12:13	5
alpha-BHC	ND		10	1.8	ug/Kg	☼	10/26/21 07:57	10/27/21 12:13	5
cis-Chlordane	ND		10	5.0	ug/Kg	☼	10/26/21 07:57	10/27/21 12:13	5

Client Sample ID: TP-2-1
Date Collected: 10/21/21 11:50
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-1
Matrix: Solid
Percent Solids: 81.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	ND		10	1.8	ug/Kg	☼	10/26/21 07:57	10/27/21 12:13	5
delta-BHC	ND		10	1.9	ug/Kg	☼	10/26/21 07:57	10/27/21 12:13	5
Dieldrin	ND		10	2.4	ug/Kg	☼	10/26/21 07:57	10/27/21 12:13	5
Endosulfan I	ND		10	1.9	ug/Kg	☼	10/26/21 07:57	10/27/21 12:13	5
Endosulfan II	ND		10	1.8	ug/Kg	☼	10/26/21 07:57	10/27/21 12:13	5
Endosulfan sulfate	ND		10	1.9	ug/Kg	☼	10/26/21 07:57	10/27/21 12:13	5
Endrin	ND		10	2.0	ug/Kg	☼	10/26/21 07:57	10/27/21 12:13	5
Endrin aldehyde	ND		10	2.6	ug/Kg	☼	10/26/21 07:57	10/27/21 12:13	5
Endrin ketone	ND		10	2.5	ug/Kg	☼	10/26/21 07:57	10/27/21 12:13	5
gamma-BHC (Lindane)	ND		10	1.9	ug/Kg	☼	10/26/21 07:57	10/27/21 12:13	5
trans-Chlordane	**6.6**	**J**	10	3.2	ug/Kg	☼	10/26/21 07:57	10/27/21 12:13	5
Heptachlor	ND		10	2.2	ug/Kg	☼	10/26/21 07:57	10/27/21 12:13	5
Heptachlor epoxide	ND		10	2.6	ug/Kg	☼	10/26/21 07:57	10/27/21 12:13	5
Methoxychlor	ND		10	2.1	ug/Kg	☼	10/26/21 07:57	10/27/21 12:13	5
Toxaphene	ND		100	59	ug/Kg	☼	10/26/21 07:57	10/27/21 12:13	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*157*	*S1+*	*45 - 120*	*10/26/21 07:57*	*10/27/21 12:13*	*5*
Tetrachloro-m-xylene	*96*		*30 - 124*	*10/26/21 07:57*	*10/27/21 12:13*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.26	0.052	mg/Kg	☼	10/25/21 07:07	10/25/21 22:27	1
PCB-1221	ND		0.26	0.052	mg/Kg	☼	10/25/21 07:07	10/25/21 22:27	1
PCB-1232	ND		0.26	0.052	mg/Kg	☼	10/25/21 07:07	10/25/21 22:27	1
PCB-1242	ND		0.26	0.052	mg/Kg	☼	10/25/21 07:07	10/25/21 22:27	1
PCB-1248	ND		0.26	0.052	mg/Kg	☼	10/25/21 07:07	10/25/21 22:27	1
PCB-1254	ND		0.26	0.12	mg/Kg	☼	10/25/21 07:07	10/25/21 22:27	1
PCB-1260	ND		0.26	0.12	mg/Kg	☼	10/25/21 07:07	10/25/21 22:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*113*		*60 - 154*	*10/25/21 07:07*	*10/25/21 22:27*	*1*
DCB Decachlorobiphenyl	*113*		*65 - 174*	*10/25/21 07:07*	*10/25/21 22:27*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		41	8.7	ug/Kg	☼	10/28/21 22:21	11/01/21 17:43	1
Silvex (2,4,5-TP)	ND		41	4.3	ug/Kg	☼	10/28/21 22:21	11/01/21 17:43	1
2,4-D	ND	*+	41	15	ug/Kg	☼	10/28/21 22:21	11/01/21 17:43	1
Dichlorprop	ND		41	12	ug/Kg	☼	10/28/21 22:21	11/01/21 17:43	1
Pentachlorophenol	ND		10	3.5	ug/Kg	☼	10/28/21 22:21	11/01/21 17:43	1
Picloram	ND		10	9.0	ug/Kg	☼	10/28/21 22:21	11/01/21 17:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*123*		*65 - 150*	*10/28/21 22:21*	*11/01/21 17:43*	*1*
2,4-Dichlorophenylacetic acid	*278*	*S1+*	*65 - 150*	*10/28/21 22:21*	*11/01/21 17:43*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**		12.3	5.4	mg/Kg	☼	10/26/21 18:15	10/28/21 00:52	1
Antimony	ND		18.5	0.49	mg/Kg	☼	10/26/21 18:15	10/28/21 00:52	1

Client: AECC
Project/Site: UMC - Widewaters

Job ID: 480-191278-1

Client Sample ID: TP-2-1
Date Collected: 10/21/21 11:50
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-1
Matrix: Solid
Percent Solids: 81.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.0		2.5	0.49	mg/Kg	☼	10/26/21 18:15	11/01/21 17:16	1
Barium	46.0		0.62	0.14	mg/Kg	☼	10/26/21 18:15	10/28/21 00:52	1
Beryllium	0.54		0.25	0.035	mg/Kg	☼	10/26/21 18:15	10/28/21 00:52	1
Cadmium	0.15	J	0.25	0.037	mg/Kg	☼	10/26/21 18:15	10/28/21 00:52	1
Calcium	86600		61.7	4.1	mg/Kg	☼	10/26/21 18:15	10/28/21 00:52	1
Chromium	14.1		0.62	0.25	mg/Kg	☼	10/26/21 18:15	10/28/21 00:52	1
Cobalt	5.7		0.62	0.062	mg/Kg	☼	10/26/21 18:15	10/28/21 00:52	1
Copper	13.3		1.2	0.26	mg/Kg	☼	10/26/21 18:15	10/28/21 00:52	1
Iron	11200		12.3	4.3	mg/Kg	☼	10/26/21 18:15	10/28/21 00:52	1
Lead	18.2		1.2	0.30	mg/Kg	☼	10/26/21 18:15	10/28/21 00:52	1
Magnesium	39700		24.7	1.1	mg/Kg	☼	10/26/21 18:15	10/28/21 00:52	1
Manganese	233	B	0.25	0.040	mg/Kg	☼	10/26/21 18:15	10/28/21 00:52	1
Nickel	13.3		6.2	0.28	mg/Kg	☼	10/26/21 18:15	10/28/21 00:52	1
Potassium	3550		37.0	24.7	mg/Kg	☼	10/26/21 18:15	10/28/21 00:52	1
Selenium	ND		4.9	0.49	mg/Kg	☼	10/26/21 18:15	10/28/21 00:52	1
Silver	ND		0.74	0.25	mg/Kg	☼	10/26/21 18:15	10/28/21 00:52	1
Sodium	150	J	173	16.0	mg/Kg	☼	10/26/21 18:15	10/28/21 00:52	1
Thallium	ND		7.4	0.37	mg/Kg	☼	10/26/21 18:15	10/28/21 00:52	1
Vanadium	21.8		0.62	0.14	mg/Kg	☼	10/26/21 18:15	10/28/21 00:52	1
Zinc	30.1		2.5	0.79	mg/Kg	☼	10/26/21 18:15	10/28/21 00:52	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.039		0.021	0.0049	mg/Kg	☼	10/26/21 17:19	10/26/21 19:23	1

Client: AECC
Project/Site: UMC - Widewaters

Job ID: 480-191278-1

Client Sample ID: TP-4-2
Date Collected: 10/21/21 12:25
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-2
Matrix: Solid
Percent Solids: 87.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		3.8	0.28	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
1,1,2,2-Tetrachloroethane	ND		3.8	0.62	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.8	0.87	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
1,1,2-Trichloroethane	ND		3.8	0.50	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
1,1-Dichloroethane	ND		3.8	0.47	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
1,1-Dichloroethene	ND		3.8	0.47	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
1,2,4-Trichlorobenzene	ND		3.8	0.23	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
1,2,4-Trimethylbenzene	ND		3.8	0.74	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
1,2-Dibromo-3-Chloropropane	ND		3.8	1.9	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
1,2-Dichlorobenzene	ND		3.8	0.30	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
1,2-Dichloroethane	ND		3.8	0.19	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
1,2-Dichloropropane	ND		3.8	1.9	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
1,3,5-Trimethylbenzene	ND		3.8	0.25	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
1,3-Dichlorobenzene	ND		3.8	0.20	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
1,4-Dichlorobenzene	ND		3.8	0.54	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
2-Butanone (MEK)	ND		19	1.4	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
2-Hexanone	ND		19	1.9	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
4-Isopropyltoluene	ND		3.8	0.31	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
4-Methyl-2-pentanone (MIBK)	ND		19	1.3	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
Acetone	**10**	**J**	19	3.2	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
Benzene	ND		3.8	0.19	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
Bromoform	ND		3.8	1.9	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
Bromomethane	ND		3.8	0.34	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
Carbon disulfide	ND		3.8	1.9	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
Carbon tetrachloride	ND		3.8	0.37	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
Chlorobenzene	ND		3.8	0.51	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
Dibromochloromethane	ND		3.8	0.49	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
Chloroethane	ND		3.8	0.87	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
Chloroform	ND		3.8	0.24	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
Chloromethane	ND		3.8	0.23	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
cis-1,2-Dichloroethene	ND		3.8	0.49	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
Cyclohexane	ND		3.8	0.54	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
Bromodichloromethane	ND		3.8	0.51	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
Dichlorodifluoromethane	ND		3.8	0.32	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
Ethylbenzene	ND		3.8	0.26	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
1,2-Dibromoethane	ND		3.8	0.49	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
Isopropylbenzene	ND		3.8	0.58	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
Methyl acetate	ND		19	2.3	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
Methyl tert-butyl ether	ND		3.8	0.38	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
Methylcyclohexane	ND		3.8	0.58	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
Methylene Chloride	ND		3.8	1.8	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
m,p-Xylene	ND		7.7	0.64	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
Naphthalene	ND		3.8	0.51	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
n-Butylbenzene	ND		3.8	0.33	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
N-Propylbenzene	ND		3.8	0.31	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
o-Xylene	ND		3.8	0.50	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
sec-Butylbenzene	ND		3.8	0.33	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
Tetrachloroethene	ND		3.8	0.51	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
Toluene	ND		3.8	0.29	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1

Client: AECC
Project/Site: UMC - Widewaters

Job ID: 480-191278-1

Client Sample ID: TP-4-2
Date Collected: 10/21/21 12:25
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-2
Matrix: Solid
Percent Solids: 87.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		3.8	0.40	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
trans-1,3-Dichloropropene	ND		3.8	1.7	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
Trichloroethene	ND		3.8	0.84	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
Trichlorofluoromethane	ND		3.8	0.36	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
Vinyl chloride	ND		3.8	0.47	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
Xylenes, Total	ND		7.7	0.64	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
cis-1,3-Dichloropropene	ND		3.8	0.55	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
Styrene	ND		3.8	0.19	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1
tert-Butylbenzene	ND		3.8	0.40	ug/Kg	☼	10/22/21 11:00	10/25/21 20:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*64 - 126*	*10/22/21 11:00*	*10/25/21 20:36*	*1*
4-Bromofluorobenzene (Surr)	*94*		*72 - 126*	*10/22/21 11:00*	*10/25/21 20:36*	*1*
Toluene-d8 (Surr)	*94*		*71 - 125*	*10/22/21 11:00*	*10/25/21 20:36*	*1*
Dibromofluoromethane (Surr)	*100*		*60 - 140*	*10/22/21 11:00*	*10/25/21 20:36*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		960	140	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
bis (2-chloroisopropyl) ether	ND		960	190	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
2,4,5-Trichlorophenol	ND		960	260	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
2,4,6-Trichlorophenol	ND		960	190	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
2,4-Dichlorophenol	ND		960	100	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
2,4-Dimethylphenol	ND		960	230	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
2,4-Dinitrophenol	ND		9300	4400	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
2,4-Dinitrotoluene	ND		960	200	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
2,6-Dinitrotoluene	ND		960	110	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
2-Chloronaphthalene	ND		960	160	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
2-Chlorophenol	ND		1900	170	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
2-Methylnaphthalene	ND		960	190	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
2-Methylphenol	ND		960	110	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
2-Nitroaniline	ND		1900	140	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
2-Nitrophenol	ND		960	270	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
3,3'-Dichlorobenzidine	ND		1900	1100	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
3-Nitroaniline	ND		1900	260	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
4,6-Dinitro-2-methylphenol	ND		1900	960	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
4-Bromophenyl phenyl ether	ND		960	140	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
4-Chloro-3-methylphenol	ND		960	240	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
4-Chloroaniline	ND		960	240	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
4-Chlorophenyl phenyl ether	ND		960	120	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
4-Methylphenol	ND		1900	110	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
4-Nitroaniline	ND		1900	500	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
4-Nitrophenol	ND		1900	670	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
Acenaphthene	ND		960	140	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
Acenaphthylene	ND		960	120	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
Acetophenone	ND		960	130	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
Anthracene	ND		960	240	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
Atrazine	ND		960	330	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
Benzaldehyde	ND		960	760	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
Benzo[a]anthracene	**130**	**J**	960	96	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5

Client Sample ID: TP-4-2
Date Collected: 10/21/21 12:25
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-2
Matrix: Solid
Percent Solids: 87.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		960	140	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
Benzo[b]fluoranthene	**190**	**J**	960	150	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
Benzo[g,h,i]perylene	ND		960	100	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
Benzo[k]fluoranthene	ND		960	120	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
Bis(2-chloroethoxy)methane	ND		960	200	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
Bis(2-chloroethyl)ether	ND		960	120	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
Bis(2-ethylhexyl) phthalate	ND		960	330	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
Butyl benzyl phthalate	ND		960	160	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
Caprolactam	ND		960	290	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
Carbazole	ND		960	110	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
Chrysene	ND		960	210	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
Di-n-butyl phthalate	ND		960	160	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
Di-n-octyl phthalate	ND		960	110	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
Dibenz(a,h)anthracene	ND		960	170	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
Dibenzofuran	ND		960	110	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
Diethyl phthalate	ND		960	120	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
Dimethyl phthalate	ND		960	110	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
Fluoranthene	**210**	**J**	960	100	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
Fluorene	ND		960	110	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
Hexachlorobenzene	ND		960	130	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
Hexachlorobutadiene	ND		960	140	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
Hexachlorocyclopentadiene	ND		960	130	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
Hexachloroethane	ND		960	120	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
Indeno[1,2,3-cd]pyrene	ND		960	120	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
Isophorone	ND		960	200	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
N-Nitrosodi-n-propylamine	ND		960	160	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
N-Nitrosodiphenylamine	ND		960	780	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
Naphthalene	ND		960	120	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
Nitrobenzene	ND		960	110	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
Pentachlorophenol	ND		1900	960	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
Phenanthrene	ND		960	140	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
Phenol	ND		960	150	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5
Pyrene	**200**	**J**	960	110	ug/Kg	☼	10/25/21 08:26	10/27/21 00:01	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*68*		*54 - 120*	*10/25/21 08:26*	*10/27/21 00:01*	*5*
2-Fluorobiphenyl	*99*		*60 - 120*	*10/25/21 08:26*	*10/27/21 00:01*	*5*
2-Fluorophenol	*87*		*52 - 120*	*10/25/21 08:26*	*10/27/21 00:01*	*5*
Nitrobenzene-d5	*89*		*53 - 120*	*10/25/21 08:26*	*10/27/21 00:01*	*5*
p-Terphenyl-d14	*107*		*79 - 130*	*10/25/21 08:26*	*10/27/21 00:01*	*5*
Phenol-d5	*88*		*54 - 120*	*10/25/21 08:26*	*10/27/21 00:01*	*5*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	**5.9**	**J**	9.4	1.8	ug/Kg	☼	10/26/21 07:57	10/27/21 12:33	5
4,4'-DDE	**5.2**	**J**	9.4	2.0	ug/Kg	☼	10/26/21 07:57	10/27/21 12:33	5
4,4'-DDT	**6.0**	**J**	9.4	2.2	ug/Kg	☼	10/26/21 07:57	10/27/21 12:33	5
Aldrin	ND		9.4	2.3	ug/Kg	☼	10/26/21 07:57	10/27/21 12:33	5
alpha-BHC	ND		9.4	1.7	ug/Kg	☼	10/26/21 07:57	10/27/21 12:33	5
cis-Chlordane	ND		9.4	4.7	ug/Kg	☼	10/26/21 07:57	10/27/21 12:33	5

Client Sample ID: TP-4-2
Date Collected: 10/21/21 12:25
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-2
Matrix: Solid
Percent Solids: 87.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	ND		9.4	1.7	ug/Kg	☼	10/26/21 07:57	10/27/21 12:33	5
delta-BHC	ND		9.4	1.7	ug/Kg	☼	10/26/21 07:57	10/27/21 12:33	5
Dieldrin	ND		9.4	2.2	ug/Kg	☼	10/26/21 07:57	10/27/21 12:33	5
Endosulfan I	ND		9.4	1.8	ug/Kg	☼	10/26/21 07:57	10/27/21 12:33	5
Endosulfan II	ND		9.4	1.7	ug/Kg	☼	10/26/21 07:57	10/27/21 12:33	5
Endosulfan sulfate	ND		9.4	1.7	ug/Kg	☼	10/26/21 07:57	10/27/21 12:33	5
Endrin	ND		9.4	1.9	ug/Kg	☼	10/26/21 07:57	10/27/21 12:33	5
Endrin aldehyde	ND		9.4	2.4	ug/Kg	☼	10/26/21 07:57	10/27/21 12:33	5
Endrin ketone	ND		9.4	2.3	ug/Kg	☼	10/26/21 07:57	10/27/21 12:33	5
gamma-BHC (Lindane)	ND		9.4	1.7	ug/Kg	☼	10/26/21 07:57	10/27/21 12:33	5
trans-Chlordane	**6.2**	**J**	9.4	3.0	ug/Kg	☼	10/26/21 07:57	10/27/21 12:33	5
Heptachlor	ND		9.4	2.0	ug/Kg	☼	10/26/21 07:57	10/27/21 12:33	5
Heptachlor epoxide	ND		9.4	2.4	ug/Kg	☼	10/26/21 07:57	10/27/21 12:33	5
Methoxychlor	ND		9.4	1.9	ug/Kg	☼	10/26/21 07:57	10/27/21 12:33	5
Toxaphene	ND		94	54	ug/Kg	☼	10/26/21 07:57	10/27/21 12:33	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*102*		*45 - 120*	*10/26/21 07:57*	*10/27/21 12:33*	*5*
Tetrachloro-m-xylene	*88*		*30 - 124*	*10/26/21 07:57*	*10/27/21 12:33*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.28	0.055	mg/Kg	☼	10/25/21 07:07	10/25/21 22:40	1
PCB-1221	ND		0.28	0.055	mg/Kg	☼	10/25/21 07:07	10/25/21 22:40	1
PCB-1232	ND		0.28	0.055	mg/Kg	☼	10/25/21 07:07	10/25/21 22:40	1
PCB-1242	ND		0.28	0.055	mg/Kg	☼	10/25/21 07:07	10/25/21 22:40	1
PCB-1248	ND		0.28	0.055	mg/Kg	☼	10/25/21 07:07	10/25/21 22:40	1
PCB-1254	ND		0.28	0.13	mg/Kg	☼	10/25/21 07:07	10/25/21 22:40	1
PCB-1260	ND		0.28	0.13	mg/Kg	☼	10/25/21 07:07	10/25/21 22:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*125*		*60 - 154*	*10/25/21 07:07*	*10/25/21 22:40*	*1*
DCB Decachlorobiphenyl	*124*		*65 - 174*	*10/25/21 07:07*	*10/25/21 22:40*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		38	8.1	ug/Kg	☼	10/28/21 22:21	11/01/21 17:56	1
Silvex (2,4,5-TP)	ND		38	4.0	ug/Kg	☼	10/28/21 22:21	11/01/21 17:56	1
2,4-D	ND	*+	38	14	ug/Kg	☼	10/28/21 22:21	11/01/21 17:56	1
Dichlorprop	ND		38	11	ug/Kg	☼	10/28/21 22:21	11/01/21 17:56	1
Pentachlorophenol	ND		9.5	3.3	ug/Kg	☼	10/28/21 22:21	11/01/21 17:56	1
Picloram	ND		9.5	8.3	ug/Kg	☼	10/28/21 22:21	11/01/21 17:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*125*		*65 - 150*	*10/28/21 22:21*	*11/01/21 17:56*	*1*
2,4-Dichlorophenylacetic acid	*314*	*S1+*	*65 - 150*	*10/28/21 22:21*	*11/01/21 17:56*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6850**		11.4	5.0	mg/Kg	☼	10/26/21 18:15	10/28/21 01:07	1
Antimony	**0.51**	**J**	17.1	0.46	mg/Kg	☼	10/26/21 18:15	10/28/21 01:07	1

Client: AECC
Project/Site: UMC - Widewaters

Job ID: 480-191278-1

Client Sample ID: TP-4-2
Date Collected: 10/21/21 12:25
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-2
Matrix: Solid
Percent Solids: 87.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.9		2.3	0.46	mg/Kg	☼	10/26/21 18:15	11/01/21 17:32	1
Barium	37.2		0.57	0.13	mg/Kg	☼	10/26/21 18:15	10/28/21 01:07	1
Beryllium	0.29		0.23	0.032	mg/Kg	☼	10/26/21 18:15	10/28/21 01:07	1
Cadmium	0.18	J	0.23	0.034	mg/Kg	☼	10/26/21 18:15	11/01/21 17:32	1
Calcium	126000		114	7.5	mg/Kg	☼	10/26/21 18:15	11/01/21 17:35	2
Chromium	8.7		0.57	0.23	mg/Kg	☼	10/26/21 18:15	10/28/21 01:07	1
Cobalt	3.7		0.57	0.057	mg/Kg	☼	10/26/21 18:15	10/28/21 01:07	1
Copper	13.3		2.3	0.48	mg/Kg	☼	10/26/21 18:15	11/01/21 17:35	2
Iron	7940		11.4	4.0	mg/Kg	☼	10/26/21 18:15	10/28/21 01:07	1
Lead	52.5		1.1	0.27	mg/Kg	☼	10/26/21 18:15	10/28/21 01:07	1
Magnesium	71500		45.7	2.1	mg/Kg	☼	10/26/21 18:15	11/01/21 17:35	2
Manganese	208	B	0.23	0.037	mg/Kg	☼	10/26/21 18:15	10/28/21 01:07	1
Nickel	12.5		5.7	0.26	mg/Kg	☼	10/26/21 18:15	10/28/21 01:07	1
Potassium	2030		34.3	22.8	mg/Kg	☼	10/26/21 18:15	10/28/21 01:07	1
Selenium	ND		4.6	0.46	mg/Kg	☼	10/26/21 18:15	10/28/21 01:07	1
Silver	ND		0.69	0.23	mg/Kg	☼	10/26/21 18:15	10/28/21 01:07	1
Sodium	149	J	160	14.8	mg/Kg	☼	10/26/21 18:15	10/28/21 01:07	1
Thallium	ND		6.9	0.34	mg/Kg	☼	10/26/21 18:15	10/28/21 01:07	1
Vanadium	13.6		0.57	0.13	mg/Kg	☼	10/26/21 18:15	10/28/21 01:07	1
Zinc	55.9		2.3	0.73	mg/Kg	☼	10/26/21 18:15	10/28/21 01:07	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.18		0.024	0.0054	mg/Kg	☼	10/26/21 17:19	10/26/21 19:24	1

Client: AECC
Project/Site: UMC - Widewaters

Job ID: 480-191278-1

Client Sample ID: TP-6-1
Date Collected: 10/21/21 12:46
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-3
Matrix: Solid
Percent Solids: 83.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		3.9	0.28	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
1,1,2,2-Tetrachloroethane	ND		3.9	0.63	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.9	0.88	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
1,1,2-Trichloroethane	ND		3.9	0.50	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
1,1-Dichloroethane	ND		3.9	0.47	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
1,1-Dichloroethene	ND		3.9	0.47	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
1,2,4-Trichlorobenzene	ND		3.9	0.24	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
1,2,4-Trimethylbenzene	ND		3.9	0.74	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
1,2-Dibromo-3-Chloropropane	ND		3.9	1.9	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
1,2-Dichlorobenzene	ND		3.9	0.30	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
1,2-Dichloroethane	ND		3.9	0.19	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
1,2-Dichloropropane	ND		3.9	1.9	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
1,3,5-Trimethylbenzene	ND		3.9	0.25	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
1,3-Dichlorobenzene	ND		3.9	0.20	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
1,4-Dichlorobenzene	ND		3.9	0.54	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
2-Butanone (MEK)	ND		19	1.4	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
2-Hexanone	ND		19	1.9	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
4-Isopropyltoluene	ND		3.9	0.31	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
4-Methyl-2-pentanone (MIBK)	ND		19	1.3	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
Acetone	ND		19	3.3	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
Benzene	ND		3.9	0.19	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
Bromoform	ND		3.9	1.9	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
Bromomethane	ND		3.9	0.35	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
Carbon disulfide	ND		3.9	1.9	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
Carbon tetrachloride	ND		3.9	0.37	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
Chlorobenzene	ND		3.9	0.51	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
Dibromochloromethane	ND		3.9	0.50	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
Chloroethane	ND		3.9	0.87	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
Chloroform	ND		3.9	0.24	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
Chloromethane	ND		3.9	0.23	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
cis-1,2-Dichloroethene	ND		3.9	0.50	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
Cyclohexane	ND		3.9	0.54	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
Bromodichloromethane	ND		3.9	0.52	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
Dichlorodifluoromethane	ND		3.9	0.32	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
Ethylbenzene	ND		3.9	0.27	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
1,2-Dibromoethane	ND		3.9	0.50	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
Isopropylbenzene	ND		3.9	0.58	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
Methyl acetate	ND		19	2.3	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
Methyl tert-butyl ether	ND		3.9	0.38	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
Methylcyclohexane	ND		3.9	0.59	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
Methylene Chloride	ND		3.9	1.8	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
m,p-Xylene	ND		7.7	0.65	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
Naphthalene	ND		3.9	0.52	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
n-Butylbenzene	ND		3.9	0.34	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
N-Propylbenzene	ND		3.9	0.31	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
o-Xylene	ND		3.9	0.51	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
sec-Butylbenzene	ND		3.9	0.34	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
Tetrachloroethene	ND		3.9	0.52	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
Toluene	ND		3.9	0.29	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1

Client Sample ID: TP-6-1
Date Collected: 10/21/21 12:46
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-3
Matrix: Solid
Percent Solids: 83.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		3.9	0.40	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
trans-1,3-Dichloropropene	ND		3.9	1.7	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
Trichloroethene	ND		3.9	0.85	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
Trichlorofluoromethane	ND		3.9	0.37	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
Vinyl chloride	ND		3.9	0.47	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
Xylenes, Total	ND		7.7	0.65	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
cis-1,3-Dichloropropene	ND		3.9	0.56	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
Styrene	ND		3.9	0.19	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1
tert-Butylbenzene	ND		3.9	0.40	ug/Kg	☼	10/22/21 11:00	10/25/21 21:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*64 - 126*	*10/22/21 11:00*	*10/25/21 21:01*	*1*
4-Bromofluorobenzene (Surr)	*96*		*72 - 126*	*10/22/21 11:00*	*10/25/21 21:01*	*1*
Toluene-d8 (Surr)	*94*		*71 - 125*	*10/22/21 11:00*	*10/25/21 21:01*	*1*
Dibromofluoromethane (Surr)	*104*		*60 - 140*	*10/22/21 11:00*	*10/25/21 21:01*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		2000	290	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
bis (2-chloroisopropyl) ether	ND		2000	400	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
2,4,5-Trichlorophenol	ND		2000	540	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
2,4,6-Trichlorophenol	ND		2000	400	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
2,4-Dichlorophenol	ND		2000	210	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
2,4-Dimethylphenol	ND		2000	480	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
2,4-Dinitrophenol	ND		20000	9200	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
2,4-Dinitrotoluene	ND		2000	410	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
2,6-Dinitrotoluene	ND		2000	240	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
2-Chloronaphthalene	ND		2000	330	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
2-Chlorophenol	ND		3900	360	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
2-Methylnaphthalene	ND		2000	400	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
2-Methylphenol	ND		2000	240	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
2-Nitroaniline	ND		3900	290	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
2-Nitrophenol	ND		2000	560	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
3,3'-Dichlorobenzidine	ND		3900	2400	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
3-Nitroaniline	ND		3900	550	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
4,6-Dinitro-2-methylphenol	ND		3900	2000	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
4-Bromophenyl phenyl ether	ND		2000	280	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
4-Chloro-3-methylphenol	ND		2000	490	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
4-Chloroaniline	ND		2000	490	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
4-Chlorophenyl phenyl ether	ND		2000	250	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
4-Methylphenol	ND		3900	240	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
4-Nitroaniline	ND		3900	1000	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
4-Nitrophenol	ND		3900	1400	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
Acenaphthene	ND		2000	290	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
Acenaphthylene	ND		2000	260	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
Acetophenone	ND		2000	270	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
Anthracene	ND		2000	490	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
Atrazine	ND		2000	690	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
Benzaldehyde	ND		2000	1600	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
Benzo[a]anthracene	ND		2000	200	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10

Client Sample ID: TP-6-1
Date Collected: 10/21/21 12:46
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-3
Matrix: Solid
Percent Solids: 83.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		2000	290	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
Benzo[b]fluoranthene	ND		2000	320	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
Benzo[g,h,i]perylene	ND		2000	210	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
Benzo[k]fluoranthene	ND		2000	260	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
Bis(2-chloroethoxy)methane	ND		2000	420	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
Bis(2-chloroethyl)ether	ND		2000	260	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
Bis(2-ethylhexyl) phthalate	ND		2000	680	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
Butyl benzyl phthalate	ND		2000	330	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
Caprolactam	ND		2000	600	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
Carbazole	ND		2000	240	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
Chrysene	ND		2000	450	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
Di-n-butyl phthalate	ND		2000	340	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
Di-n-octyl phthalate	ND		2000	240	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
Dibenz(a,h)anthracene	ND		2000	350	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
Dibenzofuran	ND		2000	240	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
Diethyl phthalate	ND		2000	260	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
Dimethyl phthalate	ND		2000	240	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
Fluoranthene	**310**	**J**	2000	210	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
Fluorene	ND		2000	240	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
Hexachlorobenzene	ND		2000	270	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
Hexachlorobutadiene	ND		2000	290	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
Hexachlorocyclopentadiene	ND		2000	270	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
Hexachloroethane	ND		2000	260	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
Indeno[1,2,3-cd]pyrene	ND		2000	250	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
Isophorone	ND		2000	420	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
N-Nitrosodi-n-propylamine	ND		2000	340	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
N-Nitrosodiphenylamine	ND		2000	1600	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
Naphthalene	ND		2000	260	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
Nitrobenzene	ND		2000	220	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
Pentachlorophenol	ND		3900	2000	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
Phenanthrene	ND		2000	290	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
Phenol	ND		2000	310	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10
Pyrene	**260**	**J**	2000	240	ug/Kg	☼	10/25/21 08:26	10/27/21 00:26	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*66*		*54 - 120*	*10/25/21 08:26*	*10/27/21 00:26*	*10*
2-Fluorobiphenyl	*104*		*60 - 120*	*10/25/21 08:26*	*10/27/21 00:26*	*10*
2-Fluorophenol	*87*		*52 - 120*	*10/25/21 08:26*	*10/27/21 00:26*	*10*
Nitrobenzene-d5	*82*		*53 - 120*	*10/25/21 08:26*	*10/27/21 00:26*	*10*
p-Terphenyl-d14	*107*		*79 - 130*	*10/25/21 08:26*	*10/27/21 00:26*	*10*
Phenol-d5	*89*		*54 - 120*	*10/25/21 08:26*	*10/27/21 00:26*	*10*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		20	3.9	ug/Kg	☼	10/26/21 07:57	10/27/21 11:53	10
4,4'-DDE	ND		20	4.2	ug/Kg	☼	10/26/21 07:57	10/27/21 11:53	10
4,4'-DDT	ND		20	4.6	ug/Kg	☼	10/26/21 07:57	10/27/21 11:53	10
Aldrin	ND		20	4.9	ug/Kg	☼	10/26/21 07:57	10/27/21 11:53	10
alpha-BHC	ND		20	3.6	ug/Kg	☼	10/26/21 07:57	10/27/21 11:53	10
cis-Chlordane	ND		20	9.9	ug/Kg	☼	10/26/21 07:57	10/27/21 11:53	10

Client Sample ID: TP-6-1
Date Collected: 10/21/21 12:46
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-3
Matrix: Solid
Percent Solids: 83.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	ND		20	3.6	ug/Kg	☼	10/26/21 07:57	10/27/21 11:53	10
delta-BHC	ND		20	3.7	ug/Kg	☼	10/26/21 07:57	10/27/21 11:53	10
Dieldrin	ND		20	4.8	ug/Kg	☼	10/26/21 07:57	10/27/21 11:53	10
Endosulfan I	ND		20	3.8	ug/Kg	☼	10/26/21 07:57	10/27/21 11:53	10
Endosulfan II	ND		20	3.6	ug/Kg	☼	10/26/21 07:57	10/27/21 11:53	10
Endosulfan sulfate	ND		20	3.7	ug/Kg	☼	10/26/21 07:57	10/27/21 11:53	10
Endrin	ND		20	3.9	ug/Kg	☼	10/26/21 07:57	10/27/21 11:53	10
Endrin aldehyde	ND		20	5.1	ug/Kg	☼	10/26/21 07:57	10/27/21 11:53	10
Endrin ketone	ND		20	4.9	ug/Kg	☼	10/26/21 07:57	10/27/21 11:53	10
gamma-BHC (Lindane)	ND		20	3.6	ug/Kg	☼	10/26/21 07:57	10/27/21 11:53	10
trans-Chlordane	**8.0**	**J**	20	6.3	ug/Kg	☼	10/26/21 07:57	10/27/21 11:53	10
Heptachlor	ND		20	4.3	ug/Kg	☼	10/26/21 07:57	10/27/21 11:53	10
Heptachlor epoxide	ND		20	5.1	ug/Kg	☼	10/26/21 07:57	10/27/21 11:53	10
Methoxychlor	ND		20	4.0	ug/Kg	☼	10/26/21 07:57	10/27/21 11:53	10
Toxaphene	ND		200	120	ug/Kg	☼	10/26/21 07:57	10/27/21 11:53	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*107*		*45 - 120*	*10/26/21 07:57*	*10/27/21 11:53*	*10*
Tetrachloro-m-xylene	*112*		*30 - 124*	*10/26/21 07:57*	*10/27/21 11:53*	*10*

Method: 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	☼	10/25/21 07:07	10/25/21 22:53	1
PCB-1221	ND		0.30	0.058	mg/Kg	☼	10/25/21 07:07	10/25/21 22:53	1
PCB-1232	ND		0.30	0.058	mg/Kg	☼	10/25/21 07:07	10/25/21 22:53	1
PCB-1242	ND		0.30	0.058	mg/Kg	☼	10/25/21 07:07	10/25/21 22:53	1
PCB-1248	ND		0.30	0.058	mg/Kg	☼	10/25/21 07:07	10/25/21 22:53	1
PCB-1254	ND		0.30	0.14	mg/Kg	☼	10/25/21 07:07	10/25/21 22:53	1
PCB-1260	ND		0.30	0.14	mg/Kg	☼	10/25/21 07:07	10/25/21 22:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*133*		*60 - 154*	*10/25/21 07:07*	*10/25/21 22:53*	*1*
DCB Decachlorobiphenyl	*135*		*65 - 174*	*10/25/21 07:07*	*10/25/21 22:53*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		40	8.5	ug/Kg	☼	10/28/21 22:21	11/01/21 18:10	1
Silvex (2,4,5-TP)	ND		40	4.2	ug/Kg	☼	10/28/21 22:21	11/01/21 18:10	1
2,4-D	ND	*+	40	14	ug/Kg	☼	10/28/21 22:21	11/01/21 18:10	1
Dichlorprop	ND		40	12	ug/Kg	☼	10/28/21 22:21	11/01/21 18:10	1
Pentachlorophenol	ND		9.9	3.4	ug/Kg	☼	10/28/21 22:21	11/01/21 18:10	1
Picloram	ND		9.9	8.7	ug/Kg	☼	10/28/21 22:21	11/01/21 18:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*136*		*65 - 150*	*10/28/21 22:21*	*11/01/21 18:10*	*1*
2,4-Dichlorophenylacetic acid	*330*	*S1+*	*65 - 150*	*10/28/21 22:21*	*11/01/21 18:10*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12400**		12.3	5.4	mg/Kg	☼	10/26/21 18:15	10/28/21 01:11	1
Antimony	**0.59**	**J**	18.4	0.49	mg/Kg	☼	10/26/21 18:15	10/28/21 01:11	1

Client: AECC
Project/Site: UMC - Widewaters

Job ID: 480-191278-1

Client Sample ID: TP-6-1
Date Collected: 10/21/21 12:46
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-3
Matrix: Solid
Percent Solids: 83.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.4		2.5	0.49	mg/Kg	☼	10/26/21 18:15	11/01/21 17:39	1
Barium	90.3		0.61	0.14	mg/Kg	☼	10/26/21 18:15	10/28/21 01:11	1
Beryllium	0.57		0.25	0.034	mg/Kg	☼	10/26/21 18:15	10/28/21 01:11	1
Cadmium	0.15	J	0.25	0.037	mg/Kg	☼	10/26/21 18:15	11/01/21 17:39	1
Calcium	79800		61.5	4.1	mg/Kg	☼	10/26/21 18:15	10/28/21 01:11	1
Chromium	16.7		0.61	0.25	mg/Kg	☼	10/26/21 18:15	10/28/21 01:11	1
Cobalt	8.6		0.61	0.061	mg/Kg	☼	10/26/21 18:15	10/28/21 01:11	1
Copper	19.1		1.2	0.26	mg/Kg	☼	10/26/21 18:15	10/28/21 01:11	1
Iron	14100		12.3	4.3	mg/Kg	☼	10/26/21 18:15	10/28/21 01:11	1
Lead	47.2		1.2	0.30	mg/Kg	☼	10/26/21 18:15	10/28/21 01:11	1
Magnesium	30600		24.6	1.1	mg/Kg	☼	10/26/21 18:15	10/28/21 01:11	1
Manganese	303	B	0.25	0.039	mg/Kg	☼	10/26/21 18:15	10/28/21 01:11	1
Nickel	22.2		6.1	0.28	mg/Kg	☼	10/26/21 18:15	10/28/21 01:11	1
Potassium	3730		36.9	24.6	mg/Kg	☼	10/26/21 18:15	10/28/21 01:11	1
Selenium	ND		4.9	0.49	mg/Kg	☼	10/26/21 18:15	10/28/21 01:11	1
Silver	ND		0.74	0.25	mg/Kg	☼	10/26/21 18:15	10/28/21 01:11	1
Sodium	173		172	16.0	mg/Kg	☼	10/26/21 18:15	10/28/21 01:11	1
Thallium	ND		7.4	0.37	mg/Kg	☼	10/26/21 18:15	10/28/21 01:11	1
Vanadium	22.5		0.61	0.14	mg/Kg	☼	10/26/21 18:15	10/28/21 01:11	1
Zinc	54.8		2.5	0.79	mg/Kg	☼	10/26/21 18:15	10/28/21 01:11	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.15		0.028	0.0064	mg/Kg	☼	10/26/21 17:19	10/26/21 19:25	1

Client: AECC
Project/Site: UMC - Widewaters

Job ID: 480-191278-1

Client Sample ID: TP-9-1
Date Collected: 10/21/21 13:58
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-4
Matrix: Solid
Percent Solids: 82.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.6	0.33	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
1,1,2,2-Tetrachloroethane	ND		4.6	0.74	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.6	1.0	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
1,1,2-Trichloroethane	ND		4.6	0.59	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
1,1-Dichloroethane	ND		4.6	0.56	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
1,1-Dichloroethene	ND		4.6	0.56	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
1,2,4-Trichlorobenzene	ND		4.6	0.28	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
1,2,4-Trimethylbenzene	ND		4.6	0.87	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
1,2-Dibromo-3-Chloropropane	ND		4.6	2.3	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
1,2-Dichlorobenzene	ND		4.6	0.36	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
1,2-Dichloroethane	ND		4.6	0.23	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
1,2-Dichloropropane	ND		4.6	2.3	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
1,3,5-Trimethylbenzene	ND		4.6	0.29	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
1,3-Dichlorobenzene	ND		4.6	0.23	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
1,4-Dichlorobenzene	ND		4.6	0.64	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
2-Butanone (MEK)	ND		23	1.7	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
2-Hexanone	ND		23	2.3	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
4-Isopropyltoluene	ND		4.6	0.37	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
4-Methyl-2-pentanone (MIBK)	ND		23	1.5	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
Acetone	ND		23	3.8	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
Benzene	ND		4.6	0.22	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
Bromoform	ND		4.6	2.3	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
Bromomethane	ND		4.6	0.41	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
Carbon disulfide	ND		4.6	2.3	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
Carbon tetrachloride	ND		4.6	0.44	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
Chlorobenzene	ND		4.6	0.60	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
Dibromochloromethane	ND		4.6	0.58	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
Chloroethane	ND		4.6	1.0	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
Chloroform	ND		4.6	0.28	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
Chloromethane	ND		4.6	0.27	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
cis-1,2-Dichloroethene	ND		4.6	0.58	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
Cyclohexane	ND		4.6	0.64	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
Bromodichloromethane	ND		4.6	0.61	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
Dichlorodifluoromethane	ND		4.6	0.38	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
Ethylbenzene	ND		4.6	0.31	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
1,2-Dibromoethane	ND		4.6	0.58	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
Isopropylbenzene	ND		4.6	0.69	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
Methyl acetate	ND		23	2.7	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
Methyl tert-butyl ether	ND		4.6	0.45	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
Methylcyclohexane	ND		4.6	0.69	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
Methylene Chloride	ND		4.6	2.1	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
m,p-Xylene	ND		9.1	0.76	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
Naphthalene	ND		4.6	0.61	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
n-Butylbenzene	ND		4.6	0.40	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
N-Propylbenzene	ND		4.6	0.36	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
o-Xylene	ND		4.6	0.59	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
sec-Butylbenzene	ND		4.6	0.40	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
Tetrachloroethene	ND		4.6	0.61	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
Toluene	ND		4.6	0.34	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1

Client Sample ID: TP-9-1
Date Collected: 10/21/21 13:58
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-4
Matrix: Solid
Percent Solids: 82.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		4.6	0.47	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
trans-1,3-Dichloropropene	ND		4.6	2.0	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
Trichloroethene	ND		4.6	1.0	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
Trichlorofluoromethane	ND		4.6	0.43	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
Vinyl chloride	ND		4.6	0.56	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
Xylenes, Total	ND		9.1	0.76	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
cis-1,3-Dichloropropene	ND		4.6	0.66	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
Styrene	ND		4.6	0.23	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1
tert-Butylbenzene	ND		4.6	0.47	ug/Kg	☼	10/22/21 11:00	10/25/21 21:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*64 - 126*	*10/22/21 11:00*	*10/25/21 21:26*	*1*
4-Bromofluorobenzene (Surr)	*99*		*72 - 126*	*10/22/21 11:00*	*10/25/21 21:26*	*1*
Toluene-d8 (Surr)	*94*		*71 - 125*	*10/22/21 11:00*	*10/25/21 21:26*	*1*
Dibromofluoromethane (Surr)	*106*		*60 - 140*	*10/22/21 11:00*	*10/25/21 21:26*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		1000	150	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
bis (2-chloroisopropyl) ether	ND		1000	200	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
2,4,5-Trichlorophenol	ND		1000	270	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
2,4,6-Trichlorophenol	ND		1000	200	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
2,4-Dichlorophenol	ND		1000	110	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
2,4-Dimethylphenol	ND		1000	240	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
2,4-Dinitrophenol	ND		9800	4600	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
2,4-Dinitrotoluene	ND		1000	210	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
2,6-Dinitrotoluene	ND		1000	120	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
2-Chloronaphthalene	ND		1000	170	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
2-Chlorophenol	ND		1900	180	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
2-Methylnaphthalene	ND		1000	200	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
2-Methylphenol	ND		1000	120	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
2-Nitroaniline	ND		1900	150	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
2-Nitrophenol	ND		1000	280	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
3,3'-Dichlorobenzidine	ND		1900	1200	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
3-Nitroaniline	ND		1900	280	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
4,6-Dinitro-2-methylphenol	ND		1900	1000	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
4-Bromophenyl phenyl ether	ND		1000	140	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
4-Chloro-3-methylphenol	ND		1000	250	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
4-Chloroaniline	ND		1000	250	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
4-Chlorophenyl phenyl ether	ND		1000	120	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
4-Methylphenol	ND		1900	120	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
4-Nitroaniline	ND		1900	530	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
4-Nitrophenol	ND		1900	700	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
Acenaphthene	ND		1000	150	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
Acenaphthylene	**130**	**J**	1000	130	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
Acetophenone	ND		1000	140	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
Anthracene	**260**	**J**	1000	250	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
Atrazine	ND		1000	350	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
Benzaldehyde	ND		1000	800	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
Benzo[a]anthracene	**820**	**J**	1000	100	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5

Client Sample ID: TP-9-1
Date Collected: 10/21/21 13:58
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-4
Matrix: Solid
Percent Solids: 82.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**770**	**J**	1000	150	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
Benzo[b]fluoranthene	**1000**		1000	160	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
Benzo[g,h,i]perylene	**530**	**J**	1000	110	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
Benzo[k]fluoranthene	**380**	**J**	1000	130	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
Bis(2-chloroethoxy)methane	ND		1000	210	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
Bis(2-chloroethyl)ether	ND		1000	130	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
Bis(2-ethylhexyl) phthalate	**860**	**J**	1000	340	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
Butyl benzyl phthalate	ND		1000	170	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
Caprolactam	ND		1000	300	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
Carbazole	ND		1000	120	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
Chrysene	**780**	**J**	1000	220	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
Di-n-butyl phthalate	ND		1000	170	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
Di-n-octyl phthalate	ND		1000	120	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
Dibenz(a,h)anthracene	ND		1000	180	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
Dibenzofuran	ND		1000	120	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
Diethyl phthalate	ND		1000	130	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
Dimethyl phthalate	ND		1000	120	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
Fluoranthene	**1600**		1000	110	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
Fluorene	ND		1000	120	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
Hexachlorobenzene	ND		1000	140	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
Hexachlorobutadiene	ND		1000	150	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
Hexachlorocyclopentadiene	ND		1000	140	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
Hexachloroethane	ND		1000	130	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
Indeno[1,2,3-cd]pyrene	**470**	**J**	1000	120	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
Isophorone	ND		1000	210	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
N-Nitrosodi-n-propylamine	ND		1000	170	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
N-Nitrosodiphenylamine	ND		1000	820	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
Naphthalene	ND		1000	130	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
Nitrobenzene	ND		1000	110	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
Pentachlorophenol	ND		1900	1000	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
Phenanthrene	**800**	**J**	1000	150	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
Phenol	ND		1000	150	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5
Pyrene	**1300**		1000	120	ug/Kg	☼	10/25/21 08:26	10/27/21 00:50	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*67*		*54 - 120*	*10/25/21 08:26*	*10/27/21 00:50*	*5*
2-Fluorobiphenyl	*94*		*60 - 120*	*10/25/21 08:26*	*10/27/21 00:50*	*5*
2-Fluorophenol	*77*		*52 - 120*	*10/25/21 08:26*	*10/27/21 00:50*	*5*
Nitrobenzene-d5	*83*		*53 - 120*	*10/25/21 08:26*	*10/27/21 00:50*	*5*
p-Terphenyl-d14	*96*		*79 - 130*	*10/25/21 08:26*	*10/27/21 00:50*	*5*
Phenol-d5	*84*		*54 - 120*	*10/25/21 08:26*	*10/27/21 00:50*	*5*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9070**		12.4	5.4	mg/Kg	☼	10/26/21 18:15	10/28/21 01:15	1
Antimony	ND		18.6	0.50	mg/Kg	☼	10/26/21 18:15	10/28/21 01:15	1
Arsenic	**4.0**		2.5	0.50	mg/Kg	☼	10/26/21 18:15	11/01/21 17:43	1
Barium	**62.3**		0.62	0.14	mg/Kg	☼	10/26/21 18:15	10/28/21 01:15	1
Beryllium	**0.42**		0.25	0.035	mg/Kg	☼	10/26/21 18:15	10/28/21 01:15	1
Cadmium	**0.19**	**J**	0.25	0.037	mg/Kg	☼	10/26/21 18:15	11/01/21 17:43	1

Client: AECC
Project/Site: UMC - Widewaters

Job ID: 480-191278-1

Client Sample ID: TP-9-1
Date Collected: 10/21/21 13:58
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-4
Matrix: Solid
Percent Solids: 82.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	43000		61.9	4.1	mg/Kg	☼	10/26/21 18:15	10/28/21 01:15	1
Chromium	12.6		0.62	0.25	mg/Kg	☼	10/26/21 18:15	10/28/21 01:15	1
Cobalt	5.9		0.62	0.062	mg/Kg	☼	10/26/21 18:15	10/28/21 01:15	1
Copper	15.7		1.2	0.26	mg/Kg	☼	10/26/21 18:15	10/28/21 01:15	1
Iron	12100		12.4	4.3	mg/Kg	☼	10/26/21 18:15	10/28/21 01:15	1
Lead	23.0		1.2	0.30	mg/Kg	☼	10/26/21 18:15	10/28/21 01:15	1
Magnesium	8070		24.8	1.1	mg/Kg	☼	10/26/21 18:15	10/28/21 01:15	1
Manganese	303	B	0.25	0.040	mg/Kg	☼	10/26/21 18:15	10/28/21 01:15	1
Nickel	12.0		6.2	0.28	mg/Kg	☼	10/26/21 18:15	10/28/21 01:15	1
Potassium	1930		37.1	24.8	mg/Kg	☼	10/26/21 18:15	10/28/21 01:15	1
Selenium	ND		5.0	0.50	mg/Kg	☼	10/26/21 18:15	10/28/21 01:15	1
Silver	ND		0.74	0.25	mg/Kg	☼	10/26/21 18:15	10/28/21 01:15	1
Sodium	94.3	J	173	16.1	mg/Kg	☼	10/26/21 18:15	10/28/21 01:15	1
Thallium	ND		7.4	0.37	mg/Kg	☼	10/26/21 18:15	10/28/21 01:15	1
Vanadium	19.4		0.62	0.14	mg/Kg	☼	10/26/21 18:15	10/28/21 01:15	1
Zinc	41.9		2.5	0.79	mg/Kg	☼	10/26/21 18:15	10/28/21 01:15	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.036		0.026	0.0059	mg/Kg	☼	10/26/21 17:19	10/26/21 19:29	1

Client: AECC
Project/Site: UMC - Widewaters

Job ID: 480-191278-1

Client Sample ID: TP-10-1
Date Collected: 10/21/21 14:40
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-5
Matrix: Solid
Percent Solids: 76.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.80	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
1,1,2-Trichloroethane	ND		5.0	0.64	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
1,1-Dichloroethane	ND		5.0	0.60	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
1,2,4-Trimethylbenzene	ND		5.0	0.95	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
1,3,5-Trimethylbenzene	ND		5.0	0.32	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
1,3-Dichlorobenzene	ND		5.0	0.25	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
1,4-Dichlorobenzene	ND		5.0	0.69	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
2-Hexanone	ND		25	2.5	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
4-Isopropyltoluene	ND		5.0	0.40	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
Acetone	ND		25	4.2	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
Benzene	ND		5.0	0.24	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
Bromoform	ND		5.0	2.5	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
Bromomethane	ND		5.0	0.45	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
Carbon disulfide	ND		5.0	2.5	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
Chlorobenzene	ND		5.0	0.65	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
Dibromochloromethane	ND		5.0	0.63	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
Chloroethane	ND		5.0	1.1	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
Chloroform	ND		5.0	0.31	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
Chloromethane	ND		5.0	0.30	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
cis-1,2-Dichloroethene	ND		5.0	0.63	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
Cyclohexane	ND		5.0	0.69	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
Bromodichloromethane	ND		5.0	0.66	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
Ethylbenzene	ND		5.0	0.34	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
Methyl acetate	ND		25	3.0	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
Methylcyclohexane	ND		5.0	0.75	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
Methylene Chloride	ND		5.0	2.3	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
m,p-Xylene	ND		9.9	0.83	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
Naphthalene	ND		5.0	0.66	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
n-Butylbenzene	ND		5.0	0.43	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
N-Propylbenzene	ND		5.0	0.40	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
o-Xylene	ND		5.0	0.65	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
sec-Butylbenzene	ND		5.0	0.43	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
Toluene	ND		5.0	0.37	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1

Client Sample ID: TP-10-1
Date Collected: 10/21/21 14:40
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-5
Matrix: Solid
Percent Solids: 76.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		5.0	0.51	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
Trichloroethene	ND		5.0	1.1	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
Vinyl chloride	ND		5.0	0.60	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
Xylenes, Total	ND		9.9	0.83	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
cis-1,3-Dichloropropene	ND		5.0	0.71	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
Styrene	ND		5.0	0.25	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1
tert-Butylbenzene	ND		5.0	0.52	ug/Kg	☼	10/22/21 11:00	10/25/21 21:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*64 - 126*	*10/22/21 11:00*	*10/25/21 21:51*	*1*
4-Bromofluorobenzene (Surr)	*95*		*72 - 126*	*10/22/21 11:00*	*10/25/21 21:51*	*1*
Toluene-d8 (Surr)	*93*		*71 - 125*	*10/22/21 11:00*	*10/25/21 21:51*	*1*
Dibromofluoromethane (Surr)	*102*		*60 - 140*	*10/22/21 11:00*	*10/25/21 21:51*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		1100	160	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
bis (2-chloroisopropyl) ether	ND		1100	220	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
2,4,5-Trichlorophenol	ND		1100	300	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
2,4,6-Trichlorophenol	ND		1100	220	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
2,4-Dichlorophenol	ND		1100	120	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
2,4-Dimethylphenol	ND		1100	270	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
2,4-Dinitrophenol	ND		11000	5100	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
2,4-Dinitrotoluene	ND		1100	230	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
2,6-Dinitrotoluene	ND		1100	130	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
2-Chloronaphthalene	ND		1100	180	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
2-Chlorophenol	ND		2100	200	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
2-Methylnaphthalene	ND		1100	220	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
2-Methylphenol	ND		1100	130	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
2-Nitroaniline	ND		2100	160	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
2-Nitrophenol	ND		1100	310	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
3,3'-Dichlorobenzidine	ND		2100	1300	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
3-Nitroaniline	ND		2100	310	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
4,6-Dinitro-2-methylphenol	ND		2100	1100	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
4-Bromophenyl phenyl ether	ND		1100	160	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
4-Chloro-3-methylphenol	ND		1100	270	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
4-Chloroaniline	ND		1100	270	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
4-Chlorophenyl phenyl ether	ND		1100	140	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
4-Methylphenol	ND		2100	130	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
4-Nitroaniline	ND		2100	580	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
4-Nitrophenol	ND		2100	770	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
Acenaphthene	ND		1100	160	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
Acenaphthylene	ND		1100	140	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
Acetophenone	ND		1100	150	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
Anthracene	ND		1100	270	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
Atrazine	ND		1100	380	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
Benzaldehyde	ND		1100	880	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
Benzo[a]anthracene	ND		1100	110	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5

Client Sample ID: TP-10-1
Date Collected: 10/21/21 14:40
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-5
Matrix: Solid
Percent Solids: 76.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		1100	160	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
Benzo[b]fluoranthene	ND		1100	180	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
Benzo[g,h,i]perylene	ND		1100	120	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
Benzo[k]fluoranthene	ND		1100	140	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
Bis(2-chloroethoxy)methane	ND		1100	230	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
Bis(2-chloroethyl)ether	ND		1100	140	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
Bis(2-ethylhexyl) phthalate	ND		1100	380	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
Butyl benzyl phthalate	ND		1100	180	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
Caprolactam	ND		1100	330	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
Carbazole	ND		1100	130	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
Chrysene	ND		1100	250	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
Di-n-butyl phthalate	ND		1100	190	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
Di-n-octyl phthalate	ND		1100	130	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
Dibenz(a,h)anthracene	ND		1100	200	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
Dibenzofuran	ND		1100	130	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
Diethyl phthalate	ND		1100	140	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
Dimethyl phthalate	ND		1100	130	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
Fluoranthene	**120**	**J**	1100	120	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
Fluorene	ND		1100	130	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
Hexachlorobenzene	ND		1100	150	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
Hexachlorobutadiene	ND		1100	160	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
Hexachlorocyclopentadiene	ND		1100	150	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
Hexachloroethane	ND		1100	140	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
Indeno[1,2,3-cd]pyrene	ND		1100	140	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
Isophorone	ND		1100	230	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
N-Nitrosodi-n-propylamine	ND		1100	190	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
N-Nitrosodiphenylamine	ND		1100	900	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
Naphthalene	ND		1100	140	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
Nitrobenzene	ND		1100	120	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
Pentachlorophenol	ND		2100	1100	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
Phenanthrene	ND		1100	160	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
Phenol	ND		1100	170	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5
Pyrene	ND		1100	130	ug/Kg	☼	10/25/21 08:26	10/27/21 01:14	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*78*		*54 - 120*	*10/25/21 08:26*	*10/27/21 01:14*	*5*
2-Fluorobiphenyl	*102*		*60 - 120*	*10/25/21 08:26*	*10/27/21 01:14*	*5*
2-Fluorophenol	*89*		*52 - 120*	*10/25/21 08:26*	*10/27/21 01:14*	*5*
Nitrobenzene-d5	*90*		*53 - 120*	*10/25/21 08:26*	*10/27/21 01:14*	*5*
p-Terphenyl-d14	*108*		*79 - 130*	*10/25/21 08:26*	*10/27/21 01:14*	*5*
Phenol-d5	*92*		*54 - 120*	*10/25/21 08:26*	*10/27/21 01:14*	*5*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		2.1	0.42	ug/Kg	☼	10/26/21 07:57	10/27/21 12:52	1
4,4'-DDE	ND		2.1	0.45	ug/Kg	☼	10/26/21 07:57	10/27/21 12:52	1
4,4'-DDT	ND		2.1	0.50	ug/Kg	☼	10/26/21 07:57	10/27/21 12:52	1
Aldrin	ND		2.1	0.53	ug/Kg	☼	10/26/21 07:57	10/27/21 12:52	1
alpha-BHC	ND		2.1	0.39	ug/Kg	☼	10/26/21 07:57	10/27/21 12:52	1
cis-Chlordane	ND		2.1	1.1	ug/Kg	☼	10/26/21 07:57	10/27/21 12:52	1

Client Sample ID: TP-10-1
Date Collected: 10/21/21 14:40
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-5
Matrix: Solid
Percent Solids: 76.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	ND		2.1	0.39	ug/Kg	☼	10/26/21 07:57	10/27/21 12:52	1
delta-BHC	ND		2.1	0.40	ug/Kg	☼	10/26/21 07:57	10/27/21 12:52	1
Dieldrin	ND		2.1	0.51	ug/Kg	☼	10/26/21 07:57	10/27/21 12:52	1
Endosulfan I	ND		2.1	0.41	ug/Kg	☼	10/26/21 07:57	10/27/21 12:52	1
Endosulfan II	ND		2.1	0.39	ug/Kg	☼	10/26/21 07:57	10/27/21 12:52	1
Endosulfan sulfate	ND		2.1	0.40	ug/Kg	☼	10/26/21 07:57	10/27/21 12:52	1
Endrin	ND		2.1	0.42	ug/Kg	☼	10/26/21 07:57	10/27/21 12:52	1
Endrin aldehyde	ND		2.1	0.55	ug/Kg	☼	10/26/21 07:57	10/27/21 12:52	1
Endrin ketone	ND		2.1	0.53	ug/Kg	☼	10/26/21 07:57	10/27/21 12:52	1
gamma-BHC (Lindane)	ND		2.1	0.39	ug/Kg	☼	10/26/21 07:57	10/27/21 12:52	1
trans-Chlordane	**0.99**	**J**	2.1	0.68	ug/Kg	☼	10/26/21 07:57	10/27/21 12:52	1
Heptachlor	ND		2.1	0.46	ug/Kg	☼	10/26/21 07:57	10/27/21 12:52	1
Heptachlor epoxide	ND		2.1	0.55	ug/Kg	☼	10/26/21 07:57	10/27/21 12:52	1
Methoxychlor	ND		2.1	0.44	ug/Kg	☼	10/26/21 07:57	10/27/21 12:52	1
Toxaphene	ND		21	12	ug/Kg	☼	10/26/21 07:57	10/27/21 12:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*88*		*45 - 120*	*10/26/21 07:57*	*10/27/21 12:52*	*1*
Tetrachloro-m-xylene	*61*		*30 - 124*	*10/26/21 07:57*	*10/27/21 12:52*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.24	0.048	mg/Kg	☼	10/25/21 07:07	10/25/21 23:05	1
PCB-1221	ND		0.24	0.048	mg/Kg	☼	10/25/21 07:07	10/25/21 23:05	1
PCB-1232	ND		0.24	0.048	mg/Kg	☼	10/25/21 07:07	10/25/21 23:05	1
PCB-1242	ND		0.24	0.048	mg/Kg	☼	10/25/21 07:07	10/25/21 23:05	1
PCB-1248	ND		0.24	0.048	mg/Kg	☼	10/25/21 07:07	10/25/21 23:05	1
PCB-1254	ND		0.24	0.11	mg/Kg	☼	10/25/21 07:07	10/25/21 23:05	1
PCB-1260	ND		0.24	0.11	mg/Kg	☼	10/25/21 07:07	10/25/21 23:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*121*		*60 - 154*	*10/25/21 07:07*	*10/25/21 23:05*	*1*
DCB Decachlorobiphenyl	*119*		*65 - 174*	*10/25/21 07:07*	*10/25/21 23:05*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		43	9.2	ug/Kg	☼	10/28/21 22:21	11/01/21 18:23	1
Silvex (2,4,5-TP)	ND		43	4.5	ug/Kg	☼	10/28/21 22:21	11/01/21 18:23	1
2,4-D	ND	*+	43	16	ug/Kg	☼	10/28/21 22:21	11/01/21 18:23	1
Dichlorprop	ND		43	13	ug/Kg	☼	10/28/21 22:21	11/01/21 18:23	1
Pentachlorophenol	ND		11	3.7	ug/Kg	☼	10/28/21 22:21	11/01/21 18:23	1
Picloram	ND		11	9.5	ug/Kg	☼	10/28/21 22:21	11/01/21 18:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*126*		*65 - 150*	*10/28/21 22:21*	*11/01/21 18:23*	*1*
2,4-Dichlorophenylacetic acid	*362*	*S1+*	*65 - 150*	*10/28/21 22:21*	*11/01/21 18:23*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11500**		12.6	5.5	mg/Kg	☼	10/26/21 18:15	10/28/21 01:19	1
Antimony	**0.87**	**J**	18.9	0.50	mg/Kg	☼	10/26/21 18:15	10/28/21 01:19	1

Client: AECC
Project/Site: UMC - Widewaters

Job ID: 480-191278-1

Client Sample ID: TP-10-1
Date Collected: 10/21/21 14:40
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-5
Matrix: Solid
Percent Solids: 76.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.5		2.5	0.50	mg/Kg	☼	10/26/21 18:15	11/01/21 17:47	1
Barium	81.0		0.63	0.14	mg/Kg	☼	10/26/21 18:15	10/28/21 01:19	1
Beryllium	0.52		0.25	0.035	mg/Kg	☼	10/26/21 18:15	10/28/21 01:19	1
Cadmium	0.37		0.25	0.038	mg/Kg	☼	10/26/21 18:15	11/01/21 17:47	1
Calcium	59800		63.1	4.2	mg/Kg	☼	10/26/21 18:15	10/28/21 01:19	1
Chromium	16.4		0.63	0.25	mg/Kg	☼	10/26/21 18:15	10/28/21 01:19	1
Cobalt	7.2		0.63	0.063	mg/Kg	☼	10/26/21 18:15	10/28/21 01:19	1
Copper	19.7		1.3	0.26	mg/Kg	☼	10/26/21 18:15	10/28/21 01:19	1
Iron	14100		12.6	4.4	mg/Kg	☼	10/26/21 18:15	10/28/21 01:19	1
Lead	65.4		1.3	0.30	mg/Kg	☼	10/26/21 18:15	10/28/21 01:19	1
Magnesium	23100		25.2	1.2	mg/Kg	☼	10/26/21 18:15	10/28/21 01:19	1
Manganese	318	B	0.25	0.040	mg/Kg	☼	10/26/21 18:15	10/28/21 01:19	1
Nickel	17.6		6.3	0.29	mg/Kg	☼	10/26/21 18:15	10/28/21 01:19	1
Potassium	3040		37.8	25.2	mg/Kg	☼	10/26/21 18:15	10/28/21 01:19	1
Selenium	ND		5.0	0.50	mg/Kg	☼	10/26/21 18:15	10/28/21 01:19	1
Silver	ND		0.76	0.25	mg/Kg	☼	10/26/21 18:15	10/28/21 01:19	1
Sodium	137	J	177	16.4	mg/Kg	☼	10/26/21 18:15	10/28/21 01:19	1
Thallium	ND		7.6	0.38	mg/Kg	☼	10/26/21 18:15	10/28/21 01:19	1
Vanadium	21.7		0.63	0.14	mg/Kg	☼	10/26/21 18:15	10/28/21 01:19	1
Zinc	88.7		2.5	0.81	mg/Kg	☼	10/26/21 18:15	10/28/21 01:19	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080		0.022	0.0050	mg/Kg	☼	10/26/21 17:19	10/26/21 19:31	1

Client: AECC
Project/Site: UMC - Widewaters

Job ID: 480-191278-1

Client Sample ID: TP-11-1
Date Collected: 10/21/21 15:00
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-6
Matrix: Solid
Percent Solids: 85.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.7	0.42	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
1,1,2,2-Tetrachloroethane	ND		5.7	0.93	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.7	1.3	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
1,1,2-Trichloroethane	ND		5.7	0.74	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
1,1-Dichloroethane	ND		5.7	0.70	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
1,1-Dichloroethene	ND		5.7	0.70	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
1,2,4-Trichlorobenzene	ND		5.7	0.35	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
1,2,4-Trimethylbenzene	ND		5.7	1.1	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
1,2-Dibromo-3-Chloropropane	ND		5.7	2.9	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
1,2-Dichlorobenzene	ND		5.7	0.45	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
1,2-Dichloroethane	ND		5.7	0.29	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
1,2-Dichloropropane	ND		5.7	2.9	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
1,3,5-Trimethylbenzene	ND		5.7	0.37	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
1,3-Dichlorobenzene	ND		5.7	0.29	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
1,4-Dichlorobenzene	ND		5.7	0.80	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
2-Butanone (MEK)	ND		29	2.1	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
2-Hexanone	ND		29	2.9	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
4-Isopropyltoluene	ND		5.7	0.46	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
4-Methyl-2-pentanone (MIBK)	ND		29	1.9	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
Acetone	ND		29	4.8	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
Benzene	ND		5.7	0.28	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
Bromoform	ND		5.7	2.9	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
Bromomethane	ND		5.7	0.52	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
Carbon disulfide	ND		5.7	2.9	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
Carbon tetrachloride	ND		5.7	0.55	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
Chlorobenzene	ND		5.7	0.76	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
Dibromochloromethane	ND		5.7	0.73	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
Chloroethane	ND		5.7	1.3	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
Chloroform	ND		5.7	0.35	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
Chloromethane	ND		5.7	0.35	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
cis-1,2-Dichloroethene	ND		5.7	0.73	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
Cyclohexane	ND		5.7	0.80	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
Bromodichloromethane	ND		5.7	0.77	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
Dichlorodifluoromethane	ND		5.7	0.47	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
Ethylbenzene	ND		5.7	0.40	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
1,2-Dibromoethane	ND		5.7	0.74	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
Isopropylbenzene	ND		5.7	0.86	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
Methyl acetate	ND		29	3.5	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
Methyl tert-butyl ether	ND		5.7	0.56	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
Methylcyclohexane	ND		5.7	0.87	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
Methylene Chloride	ND		5.7	2.6	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
m,p-Xylene	ND		11	0.96	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
Naphthalene	ND		5.7	0.77	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
n-Butylbenzene	ND		5.7	0.50	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
N-Propylbenzene	ND		5.7	0.46	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
o-Xylene	ND		5.7	0.75	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
sec-Butylbenzene	ND		5.7	0.50	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
Tetrachloroethene	ND		5.7	0.77	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
Toluene	ND		5.7	0.43	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1

Client Sample ID: TP-11-1
Date Collected: 10/21/21 15:00
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-6
Matrix: Solid
Percent Solids: 85.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		5.7	0.59	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
trans-1,3-Dichloropropene	ND		5.7	2.5	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
Trichloroethene	ND		5.7	1.3	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
Trichlorofluoromethane	ND		5.7	0.54	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
Vinyl chloride	ND		5.7	0.70	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
Xylenes, Total	ND		11	0.96	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
cis-1,3-Dichloropropene	ND		5.7	0.82	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
Styrene	ND		5.7	0.29	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1
tert-Butylbenzene	ND		5.7	0.60	ug/Kg	☼	10/22/21 11:00	10/25/21 22:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*64 - 126*	*10/22/21 11:00*	*10/25/21 22:16*	*1*
4-Bromofluorobenzene (Surr)	*96*		*72 - 126*	*10/22/21 11:00*	*10/25/21 22:16*	*1*
Toluene-d8 (Surr)	*93*		*71 - 125*	*10/22/21 11:00*	*10/25/21 22:16*	*1*
Dibromofluoromethane (Surr)	*103*		*60 - 140*	*10/22/21 11:00*	*10/25/21 22:16*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		980	140	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
bis (2-chloroisopropyl) ether	ND		980	200	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
2,4,5-Trichlorophenol	ND		980	260	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
2,4,6-Trichlorophenol	ND		980	200	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
2,4-Dichlorophenol	ND		980	100	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
2,4-Dimethylphenol	ND		980	240	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
2,4-Dinitrophenol	ND		9500	4500	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
2,4-Dinitrotoluene	ND		980	200	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
2,6-Dinitrotoluene	ND		980	110	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
2-Chloronaphthalene	ND		980	160	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
2-Chlorophenol	ND		1900	180	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
2-Methylnaphthalene	ND		980	200	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
2-Methylphenol	ND		980	110	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
2-Nitroaniline	ND		1900	140	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
2-Nitrophenol	ND		980	280	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
3,3'-Dichlorobenzidine	ND		1900	1100	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
3-Nitroaniline	ND		1900	270	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
4,6-Dinitro-2-methylphenol	ND		1900	980	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
4-Bromophenyl phenyl ether	ND		980	140	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
4-Chloro-3-methylphenol	ND		980	240	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
4-Chloroaniline	ND		980	240	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
4-Chlorophenyl phenyl ether	ND		980	120	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
4-Methylphenol	ND		1900	110	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
4-Nitroaniline	ND		1900	510	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
4-Nitrophenol	ND		1900	680	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
Acenaphthene	ND		980	140	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
Acenaphthylene	**150**	**J**	980	130	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
Acetophenone	ND		980	130	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
Anthracene	ND		980	240	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
Atrazine	ND		980	340	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
Benzaldehyde	ND		980	780	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
Benzo[a]anthracene	**600**	**J**	980	98	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5

Client Sample ID: TP-11-1
Date Collected: 10/21/21 15:00
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-6
Matrix: Solid
Percent Solids: 85.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**630**	**J**	980	140	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
Benzo[b]fluoranthene	**810**	**J**	980	160	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
Benzo[g,h,i]perylene	**480**	**J**	980	100	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
Benzo[k]fluoranthene	**300**	**J**	980	130	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
Bis(2-chloroethoxy)methane	ND		980	210	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
Bis(2-chloroethyl)ether	ND		980	130	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
Bis(2-ethylhexyl) phthalate	ND		980	330	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
Butyl benzyl phthalate	ND		980	160	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
Caprolactam	ND		980	290	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
Carbazole	ND		980	110	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
Chrysene	**590**	**J**	980	220	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
Di-n-butyl phthalate	ND		980	170	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
Di-n-octyl phthalate	ND		980	110	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
Dibenz(a,h)anthracene	ND		980	170	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
Dibenzofuran	ND		980	110	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
Diethyl phthalate	ND		980	130	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
Dimethyl phthalate	ND		980	110	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
Fluoranthene	**1200**		980	100	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
Fluorene	ND		980	110	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
Hexachlorobenzene	ND		980	130	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
Hexachlorobutadiene	ND		980	140	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
Hexachlorocyclopentadiene	ND		980	130	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
Hexachloroethane	ND		980	130	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
Indeno[1,2,3-cd]pyrene	**410**	**J**	980	120	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
Isophorone	ND		980	210	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
N-Nitrosodi-n-propylamine	ND		980	170	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
N-Nitrosodiphenylamine	ND		980	790	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
Naphthalene	ND		980	130	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
Nitrobenzene	ND		980	110	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
Pentachlorophenol	ND		1900	980	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
Phenanthrene	**580**	**J**	980	140	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
Phenol	ND		980	150	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5
Pyrene	**940**	**J**	980	110	ug/Kg	☼	10/25/21 08:26	10/27/21 01:38	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*78*		*54 - 120*	*10/25/21 08:26*	*10/27/21 01:38*	*5*
2-Fluorobiphenyl	*102*		*60 - 120*	*10/25/21 08:26*	*10/27/21 01:38*	*5*
2-Fluorophenol	*88*		*52 - 120*	*10/25/21 08:26*	*10/27/21 01:38*	*5*
Nitrobenzene-d5	*85*		*53 - 120*	*10/25/21 08:26*	*10/27/21 01:38*	*5*
p-Terphenyl-d14	*110*		*79 - 130*	*10/25/21 08:26*	*10/27/21 01:38*	*5*
Phenol-d5	*94*		*54 - 120*	*10/25/21 08:26*	*10/27/21 01:38*	*5*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11800**		11.8	5.2	mg/Kg	☼	10/26/21 18:15	10/28/21 01:23	1
Antimony	**0.56**	**J**	17.7	0.47	mg/Kg	☼	10/26/21 18:15	10/28/21 01:23	1
Arsenic	**4.0**		2.4	0.47	mg/Kg	☼	10/26/21 18:15	11/01/21 17:51	1
Barium	**60.2**		0.59	0.13	mg/Kg	☼	10/26/21 18:15	10/28/21 01:23	1
Beryllium	**0.57**		0.24	0.033	mg/Kg	☼	10/26/21 18:15	10/28/21 01:23	1
Cadmium	**0.18**	**J**	0.24	0.035	mg/Kg	☼	10/26/21 18:15	11/01/21 17:51	1

Client: AECC
Project/Site: UMC - Widewaters

Job ID: 480-191278-1

Client Sample ID: TP-11-1
Date Collected: 10/21/21 15:00
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-6
Matrix: Solid
Percent Solids: 85.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	44900		59.0	3.9	mg/Kg	☼	10/26/21 18:15	10/28/21 01:23	1
Chromium	16.1		0.59	0.24	mg/Kg	☼	10/26/21 18:15	10/28/21 01:23	1
Cobalt	7.3		0.59	0.059	mg/Kg	☼	10/26/21 18:15	10/28/21 01:23	1
Copper	20.7		1.2	0.25	mg/Kg	☼	10/26/21 18:15	10/28/21 01:23	1
Iron	13900		11.8	4.1	mg/Kg	☼	10/26/21 18:15	10/28/21 01:23	1
Lead	22.0		1.2	0.28	mg/Kg	☼	10/26/21 18:15	10/28/21 01:23	1
Magnesium	20300		23.6	1.1	mg/Kg	☼	10/26/21 18:15	10/28/21 01:23	1
Manganese	266	B	0.24	0.038	mg/Kg	☼	10/26/21 18:15	10/28/21 01:23	1
Nickel	17.5		5.9	0.27	mg/Kg	☼	10/26/21 18:15	10/28/21 01:23	1
Potassium	3550		35.4	23.6	mg/Kg	☼	10/26/21 18:15	10/28/21 01:23	1
Selenium	ND		4.7	0.47	mg/Kg	☼	10/26/21 18:15	10/28/21 01:23	1
Silver	ND		0.71	0.24	mg/Kg	☼	10/26/21 18:15	10/28/21 01:23	1
Sodium	121	J	165	15.3	mg/Kg	☼	10/26/21 18:15	10/28/21 01:23	1
Thallium	ND		7.1	0.35	mg/Kg	☼	10/26/21 18:15	10/28/21 01:23	1
Vanadium	22.3		0.59	0.13	mg/Kg	☼	10/26/21 18:15	10/28/21 01:23	1
Zinc	47.3		2.4	0.76	mg/Kg	☼	10/26/21 18:15	10/28/21 01:23	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.040		0.016	0.0038	mg/Kg	☼	10/26/21 17:19	10/26/21 19:32	1

Client Sample ID: TP-12-2

Date Collected: 10/21/21 15:30
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-7

Matrix: Solid
Percent Solids: 88.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		3.9	0.28	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
1,1,2,2-Tetrachloroethane	ND		3.9	0.63	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.9	0.88	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
1,1,2-Trichloroethane	ND		3.9	0.50	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
1,1-Dichloroethane	ND		3.9	0.47	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
1,1-Dichloroethene	ND		3.9	0.47	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
1,2,4-Trichlorobenzene	ND		3.9	0.24	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
1,2,4-Trimethylbenzene	ND		3.9	0.74	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
1,2-Dibromo-3-Chloropropane	ND		3.9	1.9	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
1,2-Dichlorobenzene	ND		3.9	0.30	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
1,2-Dichloroethane	ND		3.9	0.19	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
1,2-Dichloropropane	ND		3.9	1.9	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
1,3,5-Trimethylbenzene	ND		3.9	0.25	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
1,3-Dichlorobenzene	ND		3.9	0.20	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
1,4-Dichlorobenzene	ND		3.9	0.54	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
2-Butanone (MEK)	ND		19	1.4	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
2-Hexanone	ND		19	1.9	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
4-Isopropyltoluene	ND		3.9	0.31	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
4-Methyl-2-pentanone (MIBK)	ND		19	1.3	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
Acetone	**3.7**	**J**	19	3.3	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
Benzene	ND		3.9	0.19	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
Bromoform	ND		3.9	1.9	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
Bromomethane	ND		3.9	0.35	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
Carbon disulfide	ND		3.9	1.9	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
Carbon tetrachloride	ND		3.9	0.37	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
Chlorobenzene	ND		3.9	0.51	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
Dibromochloromethane	ND		3.9	0.49	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
Chloroethane	ND		3.9	0.87	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
Chloroform	ND		3.9	0.24	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
Chloromethane	ND		3.9	0.23	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
cis-1,2-Dichloroethene	ND		3.9	0.49	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
Cyclohexane	ND		3.9	0.54	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
Bromodichloromethane	ND		3.9	0.52	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
Dichlorodifluoromethane	ND		3.9	0.32	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
Ethylbenzene	ND		3.9	0.27	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
1,2-Dibromoethane	ND		3.9	0.50	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
Isopropylbenzene	ND		3.9	0.58	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
Methyl acetate	ND		19	2.3	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
Methyl tert-butyl ether	ND		3.9	0.38	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
Methylcyclohexane	ND		3.9	0.59	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
Methylene Chloride	ND		3.9	1.8	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
m,p-Xylene	ND		7.7	0.65	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
Naphthalene	ND		3.9	0.52	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
n-Butylbenzene	ND		3.9	0.34	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
N-Propylbenzene	ND		3.9	0.31	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
o-Xylene	ND		3.9	0.50	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
sec-Butylbenzene	ND		3.9	0.34	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
Tetrachloroethene	ND		3.9	0.52	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
Toluene	ND		3.9	0.29	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1

Client Sample ID: TP-12-2
Date Collected: 10/21/21 15:30
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-7
Matrix: Solid
Percent Solids: 88.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		3.9	0.40	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
trans-1,3-Dichloropropene	ND		3.9	1.7	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
Trichloroethene	ND		3.9	0.85	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
Trichlorofluoromethane	ND		3.9	0.37	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
Vinyl chloride	ND		3.9	0.47	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
Xylenes, Total	ND		7.7	0.65	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
cis-1,3-Dichloropropene	ND		3.9	0.56	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
Styrene	ND		3.9	0.19	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1
tert-Butylbenzene	ND		3.9	0.40	ug/Kg	☼	10/22/21 11:00	10/25/21 22:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*64 - 126*	*10/22/21 11:00*	*10/25/21 22:41*	*1*
4-Bromofluorobenzene (Surr)	*97*		*72 - 126*	*10/22/21 11:00*	*10/25/21 22:41*	*1*
Toluene-d8 (Surr)	*93*		*71 - 125*	*10/22/21 11:00*	*10/25/21 22:41*	*1*
Dibromofluoromethane (Surr)	*103*		*60 - 140*	*10/22/21 11:00*	*10/25/21 22:41*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		190	28	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
bis (2-chloroisopropyl) ether	ND		190	38	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
2,4,5-Trichlorophenol	ND		190	51	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
2,4,6-Trichlorophenol	ND		190	38	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
2,4-Dichlorophenol	ND		190	20	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
2,4-Dimethylphenol	ND		190	46	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
2,4-Dinitrophenol	ND		1900	880	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
2,4-Dinitrotoluene	ND		190	39	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
2,6-Dinitrotoluene	ND		190	22	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
2-Chloronaphthalene	ND		190	31	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
2-Chlorophenol	ND		370	35	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
2-Methylnaphthalene	ND		190	38	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
2-Methylphenol	ND		190	22	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
2-Nitroaniline	ND		370	28	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
2-Nitrophenol	ND		190	54	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
3,3'-Dichlorobenzidine	ND		370	220	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
3-Nitroaniline	ND		370	53	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
4,6-Dinitro-2-methylphenol	ND		370	190	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
4-Bromophenyl phenyl ether	ND		190	27	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
4-Chloro-3-methylphenol	ND		190	47	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
4-Chloroaniline	ND		190	47	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
4-Chlorophenyl phenyl ether	ND		190	24	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
4-Methylphenol	ND		370	22	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
4-Nitroaniline	ND		370	100	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
4-Nitrophenol	ND		370	130	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
Acenaphthene	ND		190	28	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
Acenaphthylene	**37**	**J**	190	25	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
Acetophenone	ND		190	26	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
Anthracene	ND		190	47	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
Atrazine	ND		190	66	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
Benzaldehyde	ND		190	150	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
Benzo[a]anthracene	**93**	**J**	190	19	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1

Client: AECC
Project/Site: UMC - Widewaters

Job ID: 480-191278-1

Client Sample ID: TP-12-2
Date Collected: 10/21/21 15:30
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-7
Matrix: Solid
Percent Solids: 88.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**140**	**J**	190	28	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
Benzo[b]fluoranthene	**180**	**J**	190	30	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
Benzo[g,h,i]perylene	**140**	**J**	190	20	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
Benzo[k]fluoranthene	**61**	**J**	190	25	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
Bis(2-chloroethoxy)methane	ND		190	40	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
Bis(2-chloroethyl)ether	ND		190	25	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
Bis(2-ethylhexyl) phthalate	ND		190	65	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
Butyl benzyl phthalate	ND		190	31	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
Caprolactam	ND		190	57	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
Carbazole	ND		190	22	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
Chrysene	**110**	**J**	190	43	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
Di-n-butyl phthalate	ND		190	32	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
Di-n-octyl phthalate	ND		190	22	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
Dibenz(a,h)anthracene	ND		190	34	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
Dibenzofuran	ND		190	22	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
Diethyl phthalate	ND		190	25	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
Dimethyl phthalate	ND		190	22	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
Fluoranthene	**160**	**J**	190	20	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
Fluorene	ND		190	22	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
Hexachlorobenzene	ND		190	26	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
Hexachlorobutadiene	ND		190	28	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
Hexachlorocyclopentadiene	ND		190	26	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
Hexachloroethane	ND		190	25	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
Indeno[1,2,3-cd]pyrene	**120**	**J**	190	24	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
Isophorone	ND		190	40	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
N-Nitrosodi-n-propylamine	ND		190	32	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
N-Nitrosodiphenylamine	ND		190	150	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
Naphthalene	ND		190	25	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
Nitrobenzene	ND		190	21	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
Pentachlorophenol	ND		370	190	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
Phenanthrene	**57**	**J**	190	28	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
Phenol	ND		190	29	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1
Pyrene	**150**	**J**	190	22	ug/Kg	☼	10/25/21 08:26	10/27/21 02:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*96*		*54 - 120*	*10/25/21 08:26*	*10/27/21 02:02*	*1*
2-Fluorobiphenyl	*98*		*60 - 120*	*10/25/21 08:26*	*10/27/21 02:02*	*1*
2-Fluorophenol	*87*		*52 - 120*	*10/25/21 08:26*	*10/27/21 02:02*	*1*
Nitrobenzene-d5	*87*		*53 - 120*	*10/25/21 08:26*	*10/27/21 02:02*	*1*
p-Terphenyl-d14	*110*		*79 - 130*	*10/25/21 08:26*	*10/27/21 02:02*	*1*
Phenol-d5	*93*		*54 - 120*	*10/25/21 08:26*	*10/27/21 02:02*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.9	0.36	ug/Kg	☼	10/26/21 07:57	10/27/21 13:12	1
4,4'-DDE	ND		1.9	0.39	ug/Kg	☼	10/26/21 07:57	10/27/21 13:12	1
4,4'-DDT	ND		1.9	0.44	ug/Kg	☼	10/26/21 07:57	10/27/21 13:12	1
Aldrin	ND		1.9	0.46	ug/Kg	☼	10/26/21 07:57	10/27/21 13:12	1
alpha-BHC	ND		1.9	0.34	ug/Kg	☼	10/26/21 07:57	10/27/21 13:12	1
cis-Chlordane	ND		1.9	0.93	ug/Kg	☼	10/26/21 07:57	10/27/21 13:12	1

Client Sample ID: TP-12-2
Date Collected: 10/21/21 15:30
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-7
Matrix: Solid
Percent Solids: 88.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	**0.51**	**J B**	1.9	0.34	ug/Kg	☼	10/26/21 07:57	10/27/21 13:12	1
delta-BHC	**0.41**	**J**	1.9	0.35	ug/Kg	☼	10/26/21 07:57	10/27/21 13:12	1
Dieldrin	ND		1.9	0.45	ug/Kg	☼	10/26/21 07:57	10/27/21 13:12	1
Endosulfan I	ND		1.9	0.36	ug/Kg	☼	10/26/21 07:57	10/27/21 13:12	1
Endosulfan II	ND		1.9	0.34	ug/Kg	☼	10/26/21 07:57	10/27/21 13:12	1
Endosulfan sulfate	ND		1.9	0.35	ug/Kg	☼	10/26/21 07:57	10/27/21 13:12	1
Endrin	ND		1.9	0.37	ug/Kg	☼	10/26/21 07:57	10/27/21 13:12	1
Endrin aldehyde	ND		1.9	0.48	ug/Kg	☼	10/26/21 07:57	10/27/21 13:12	1
Endrin ketone	**1.9**		1.9	0.46	ug/Kg	☼	10/26/21 07:57	10/27/21 13:12	1
gamma-BHC (Lindane)	ND		1.9	0.34	ug/Kg	☼	10/26/21 07:57	10/27/21 13:12	1
trans-Chlordane	**0.70**	**J**	1.9	0.60	ug/Kg	☼	10/26/21 07:57	10/27/21 13:12	1
Heptachlor	ND		1.9	0.41	ug/Kg	☼	10/26/21 07:57	10/27/21 13:12	1
Heptachlor epoxide	ND		1.9	0.48	ug/Kg	☼	10/26/21 07:57	10/27/21 13:12	1
Methoxychlor	ND		1.9	0.38	ug/Kg	☼	10/26/21 07:57	10/27/21 13:12	1
Toxaphene	ND		19	11	ug/Kg	☼	10/26/21 07:57	10/27/21 13:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*104*		*45 - 120*	*10/26/21 07:57*	*10/27/21 13:12*	*1*
Tetrachloro-m-xylene	*73*		*30 - 124*	*10/26/21 07:57*	*10/27/21 13:12*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.049	mg/Kg	☼	10/25/21 07:07	10/25/21 23:18	1
PCB-1221	ND		0.25	0.049	mg/Kg	☼	10/25/21 07:07	10/25/21 23:18	1
PCB-1232	ND		0.25	0.049	mg/Kg	☼	10/25/21 07:07	10/25/21 23:18	1
PCB-1242	ND		0.25	0.049	mg/Kg	☼	10/25/21 07:07	10/25/21 23:18	1
PCB-1248	ND		0.25	0.049	mg/Kg	☼	10/25/21 07:07	10/25/21 23:18	1
PCB-1254	ND		0.25	0.12	mg/Kg	☼	10/25/21 07:07	10/25/21 23:18	1
PCB-1260	ND		0.25	0.12	mg/Kg	☼	10/25/21 07:07	10/25/21 23:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*130*		*60 - 154*	*10/25/21 07:07*	*10/25/21 23:18*	*1*
DCB Decachlorobiphenyl	*138*		*65 - 174*	*10/25/21 07:07*	*10/25/21 23:18*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		38	8.0	ug/Kg	☼	10/28/21 22:21	11/01/21 18:37	1
Silvex (2,4,5-TP)	ND		38	3.9	ug/Kg	☼	10/28/21 22:21	11/01/21 18:37	1
2,4-D	ND	*+	38	14	ug/Kg	☼	10/28/21 22:21	11/01/21 18:37	1
Dichlorprop	ND		38	11	ug/Kg	☼	10/28/21 22:21	11/01/21 18:37	1
Pentachlorophenol	ND		9.4	3.2	ug/Kg	☼	10/28/21 22:21	11/01/21 18:37	1
Picloram	ND		9.4	8.3	ug/Kg	☼	10/28/21 22:21	11/01/21 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*119*		*65 - 150*	*10/28/21 22:21*	*11/01/21 18:37*	*1*
2,4-Dichlorophenylacetic acid	*256*	*S1+*	*65 - 150*	*10/28/21 22:21*	*11/01/21 18:37*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7000**		11.8	5.2	mg/Kg	☼	10/26/21 18:15	10/28/21 01:26	1
Antimony	**0.57**	**J**	17.7	0.47	mg/Kg	☼	10/26/21 18:15	10/28/21 01:26	1

Client: AECC
Project/Site: UMC - Widewaters

Job ID: 480-191278-1

Client Sample ID: TP-12-2
Date Collected: 10/21/21 15:30
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-7
Matrix: Solid
Percent Solids: 88.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.5		2.4	0.47	mg/Kg	☼	10/26/21 18:15	11/01/21 17:55	1
Barium	30.8		0.59	0.13	mg/Kg	☼	10/26/21 18:15	10/28/21 01:26	1
Beryllium	0.31		0.24	0.033	mg/Kg	☼	10/26/21 18:15	10/28/21 01:26	1
Cadmium	0.12	J	0.24	0.035	mg/Kg	☼	10/26/21 18:15	11/01/21 17:55	1
Calcium	65900		59.0	3.9	mg/Kg	☼	10/26/21 18:15	10/28/21 01:26	1
Chromium	12.1		0.59	0.24	mg/Kg	☼	10/26/21 18:15	10/28/21 01:26	1
Cobalt	4.6		0.59	0.059	mg/Kg	☼	10/26/21 18:15	10/28/21 01:26	1
Copper	16.1		1.2	0.25	mg/Kg	☼	10/26/21 18:15	10/28/21 01:26	1
Iron	9160		11.8	4.1	mg/Kg	☼	10/26/21 18:15	10/28/21 01:26	1
Lead	20.8		1.2	0.28	mg/Kg	☼	10/26/21 18:15	10/28/21 01:26	1
Magnesium	19400		23.6	1.1	mg/Kg	☼	10/26/21 18:15	10/28/21 01:26	1
Manganese	240	B	0.24	0.038	mg/Kg	☼	10/26/21 18:15	10/28/21 01:26	1
Nickel	11.4		5.9	0.27	mg/Kg	☼	10/26/21 18:15	10/28/21 01:26	1
Potassium	2640		35.4	23.6	mg/Kg	☼	10/26/21 18:15	10/28/21 01:26	1
Selenium	ND		4.7	0.47	mg/Kg	☼	10/26/21 18:15	10/28/21 01:26	1
Silver	ND		0.71	0.24	mg/Kg	☼	10/26/21 18:15	10/28/21 01:26	1
Sodium	123	J	165	15.3	mg/Kg	☼	10/26/21 18:15	10/28/21 01:26	1
Thallium	ND		7.1	0.35	mg/Kg	☼	10/26/21 18:15	10/28/21 01:26	1
Vanadium	17.5		0.59	0.13	mg/Kg	☼	10/26/21 18:15	10/28/21 01:26	1
Zinc	20.2		2.4	0.76	mg/Kg	☼	10/26/21 18:15	10/28/21 01:26	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.013	J	0.026	0.0059	mg/Kg	☼	10/26/21 17:19	10/26/21 19:33	1

Client: AECC
Project/Site: UMC - Widewaters

Job ID: 480-191278-1

Client Sample ID: TP-13-7
Date Collected: 10/21/21 15:40
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-8
Matrix: Solid
Percent Solids: 62.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		6.6	0.48	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
1,1,2,2-Tetrachloroethane	ND		6.6	1.1	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.6	1.5	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
1,1,2-Trichloroethane	ND		6.6	0.86	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
1,1-Dichloroethane	ND		6.6	0.81	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
1,1-Dichloroethene	ND		6.6	0.81	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
1,2,4-Trichlorobenzene	ND		6.6	0.40	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
1,2,4-Trimethylbenzene	ND		6.6	1.3	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
1,2-Dibromo-3-Chloropropane	ND		6.6	3.3	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
1,2-Dichlorobenzene	ND		6.6	0.52	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
1,2-Dichloroethane	ND		6.6	0.33	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
1,2-Dichloropropane	ND		6.6	3.3	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
1,3,5-Trimethylbenzene	ND		6.6	0.43	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
1,3-Dichlorobenzene	ND		6.6	0.34	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
1,4-Dichlorobenzene	ND		6.6	0.93	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
2-Butanone (MEK)	**39**		33	2.4	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
2-Hexanone	ND		33	3.3	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
4-Isopropyltoluene	ND		6.6	0.53	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
4-Methyl-2-pentanone (MIBK)	ND		33	2.2	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
Acetone	**160**		33	5.6	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
Benzene	ND		6.6	0.32	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
Bromoform	ND		6.6	3.3	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
Bromomethane	ND		6.6	0.60	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
Carbon disulfide	ND		6.6	3.3	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
Carbon tetrachloride	ND		6.6	0.64	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
Chlorobenzene	ND		6.6	0.87	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
Dibromochloromethane	ND		6.6	0.85	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
Chloroethane	ND		6.6	1.5	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
Chloroform	ND		6.6	0.41	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
Chloromethane	ND		6.6	0.40	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
cis-1,2-Dichloroethene	ND		6.6	0.85	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
Cyclohexane	ND		6.6	0.93	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
Bromodichloromethane	ND		6.6	0.89	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
Dichlorodifluoromethane	ND		6.6	0.55	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
Ethylbenzene	ND		6.6	0.46	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
1,2-Dibromoethane	ND		6.6	0.85	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
Isopropylbenzene	ND		6.6	1.0	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
Methyl acetate	ND		33	4.0	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
Methyl tert-butyl ether	ND		6.6	0.65	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
Methylcyclohexane	ND		6.6	1.0	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
Methylene Chloride	ND		6.6	3.0	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
m,p-Xylene	ND		13	1.1	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
Naphthalene	ND		6.6	0.89	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
n-Butylbenzene	ND		6.6	0.58	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
N-Propylbenzene	ND		6.6	0.53	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
o-Xylene	ND		6.6	0.86	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
sec-Butylbenzene	ND		6.6	0.58	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
Tetrachloroethene	ND		6.6	0.89	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
Toluene	ND		6.6	0.50	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1

Client Sample ID: TP-13-7
Date Collected: 10/21/21 15:40
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-8
Matrix: Solid
Percent Solids: 62.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		6.6	0.68	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
trans-1,3-Dichloropropene	ND		6.6	2.9	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
Trichloroethene	ND		6.6	1.5	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
Trichlorofluoromethane	ND		6.6	0.63	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
Vinyl chloride	ND		6.6	0.81	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
Xylenes, Total	ND		13	1.1	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
cis-1,3-Dichloropropene	ND		6.6	0.95	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
Styrene	ND		6.6	0.33	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1
tert-Butylbenzene	ND		6.6	0.69	ug/Kg	☼	10/22/21 11:00	10/25/21 23:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*64 - 126*	*10/22/21 11:00*	*10/25/21 23:05*	*1*
4-Bromofluorobenzene (Surr)	*94*		*72 - 126*	*10/22/21 11:00*	*10/25/21 23:05*	*1*
Toluene-d8 (Surr)	*95*		*71 - 125*	*10/22/21 11:00*	*10/25/21 23:05*	*1*
Dibromofluoromethane (Surr)	*104*		*60 - 140*	*10/22/21 11:00*	*10/25/21 23:05*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		270	40	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
bis (2-chloroisopropyl) ether	ND		270	54	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
2,4,5-Trichlorophenol	ND		270	73	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
2,4,6-Trichlorophenol	ND		270	54	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
2,4-Dichlorophenol	ND		270	29	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
2,4-Dimethylphenol	ND		270	65	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
2,4-Dinitrophenol	ND		2600	1200	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
2,4-Dinitrotoluene	ND		270	56	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
2,6-Dinitrotoluene	ND		270	32	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
2-Chloronaphthalene	ND		270	45	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
2-Chlorophenol	ND		530	49	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
2-Methylnaphthalene	ND		270	54	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
2-Methylphenol	ND		270	32	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
2-Nitroaniline	ND		530	40	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
2-Nitrophenol	ND		270	76	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
3,3'-Dichlorobenzidine	ND		530	320	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
3-Nitroaniline	ND		530	75	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
4,6-Dinitro-2-methylphenol	ND		530	270	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
4-Bromophenyl phenyl ether	ND		270	38	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
4-Chloro-3-methylphenol	ND		270	67	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
4-Chloroaniline	ND		270	67	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
4-Chlorophenyl phenyl ether	ND		270	33	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
4-Methylphenol	ND		530	32	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
4-Nitroaniline	ND		530	140	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
4-Nitrophenol	ND		530	190	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
Acenaphthene	ND		270	40	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
Acenaphthylene	ND		270	35	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
Acetophenone	ND		270	37	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
Anthracene	ND		270	67	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
Atrazine	ND		270	94	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
Benzaldehyde	ND		270	210	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
Benzo[a]anthracene	ND		270	27	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1

Client Sample ID: TP-13-7
Date Collected: 10/21/21 15:40
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-8
Matrix: Solid
Percent Solids: 62.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		270	40	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
Benzo[b]fluoranthene	**51**	**J**	270	43	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
Benzo[g,h,i]perylene	**31**	**J**	270	29	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
Benzo[k]fluoranthene	ND		270	35	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
Bis(2-chloroethoxy)methane	ND		270	57	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
Bis(2-chloroethyl)ether	ND		270	35	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
Bis(2-ethylhexyl) phthalate	ND		270	92	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
Butyl benzyl phthalate	ND		270	45	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
Caprolactam	ND		270	81	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
Carbazole	ND		270	32	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
Chrysene	ND		270	60	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
Di-n-butyl phthalate	ND		270	46	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
Di-n-octyl phthalate	ND		270	32	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
Dibenz(a,h)anthracene	ND		270	48	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
Dibenzofuran	ND		270	32	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
Diethyl phthalate	ND		270	35	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
Dimethyl phthalate	ND		270	32	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
Fluoranthene	**83**	**J**	270	29	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
Fluorene	ND		270	32	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
Hexachlorobenzene	ND		270	37	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
Hexachlorobutadiene	ND		270	40	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
Hexachlorocyclopentadiene	ND		270	37	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
Hexachloroethane	ND		270	35	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
Indeno[1,2,3-cd]pyrene	ND		270	33	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
Isophorone	ND		270	57	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
N-Nitrosodi-n-propylamine	ND		270	46	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
N-Nitrosodiphenylamine	ND		270	220	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
Naphthalene	ND		270	35	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
Nitrobenzene	ND		270	30	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
Pentachlorophenol	ND		530	270	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
Phenanthrene	**44**	**J**	270	40	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
Phenol	ND		270	41	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1
Pyrene	**72**	**J**	270	32	ug/Kg	☼	10/25/21 08:26	10/27/21 02:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*84*		*54 - 120*	*10/25/21 08:26*	*10/27/21 02:26*	*1*
2-Fluorobiphenyl	*93*		*60 - 120*	*10/25/21 08:26*	*10/27/21 02:26*	*1*
2-Fluorophenol	*84*		*52 - 120*	*10/25/21 08:26*	*10/27/21 02:26*	*1*
Nitrobenzene-d5	*84*		*53 - 120*	*10/25/21 08:26*	*10/27/21 02:26*	*1*
p-Terphenyl-d14	*103*		*79 - 130*	*10/25/21 08:26*	*10/27/21 02:26*	*1*
Phenol-d5	*89*		*54 - 120*	*10/25/21 08:26*	*10/27/21 02:26*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**22300**		16.7	7.3	mg/Kg	☼	10/26/21 18:15	10/28/21 01:30	1
Antimony	**1.2**	**J**	25.0	0.67	mg/Kg	☼	10/26/21 18:15	10/28/21 01:30	1
Arsenic	**5.9**		3.3	0.67	mg/Kg	☼	10/26/21 18:15	11/01/21 17:59	1
Barium	**145**		0.83	0.18	mg/Kg	☼	10/26/21 18:15	10/28/21 01:30	1
Beryllium	**0.88**		0.33	0.047	mg/Kg	☼	10/26/21 18:15	10/28/21 01:30	1
Cadmium	**0.44**		0.33	0.050	mg/Kg	☼	10/26/21 18:15	11/01/21 17:59	1

Client: AECC
Project/Site: UMC - Widewaters

Job ID: 480-191278-1

Client Sample ID: TP-13-7
Date Collected: 10/21/21 15:40
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-8
Matrix: Solid
Percent Solids: 62.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	11600		83.4	5.5	mg/Kg	☼	10/26/21 18:15	10/28/21 01:30	1
Chromium	27.3		0.83	0.33	mg/Kg	☼	10/26/21 18:15	10/28/21 01:30	1
Cobalt	10.2		0.83	0.083	mg/Kg	☼	10/26/21 18:15	10/28/21 01:30	1
Copper	30.8		1.7	0.35	mg/Kg	☼	10/26/21 18:15	10/28/21 01:30	1
Iron	18400		16.7	5.8	mg/Kg	☼	10/26/21 18:15	10/28/21 01:30	1
Lead	42.2		1.7	0.40	mg/Kg	☼	10/26/21 18:15	10/28/21 01:30	1
Magnesium	8440		33.3	1.5	mg/Kg	☼	10/26/21 18:15	10/28/21 01:30	1
Manganese	197	B	0.33	0.053	mg/Kg	☼	10/26/21 18:15	10/28/21 01:30	1
Nickel	24.0		8.3	0.38	mg/Kg	☼	10/26/21 18:15	10/28/21 01:30	1
Potassium	4150		50.0	33.3	mg/Kg	☼	10/26/21 18:15	10/28/21 01:30	1
Selenium	ND		6.7	0.67	mg/Kg	☼	10/26/21 18:15	10/28/21 01:30	1
Silver	ND		1.0	0.33	mg/Kg	☼	10/26/21 18:15	10/28/21 01:30	1
Sodium	105	J	233	21.7	mg/Kg	☼	10/26/21 18:15	10/28/21 01:30	1
Thallium	ND		10.0	0.50	mg/Kg	☼	10/26/21 18:15	10/28/21 01:30	1
Vanadium	36.1		0.83	0.18	mg/Kg	☼	10/26/21 18:15	10/28/21 01:30	1
Zinc	76.5		3.3	1.1	mg/Kg	☼	10/26/21 18:15	10/28/21 01:30	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.19		0.028	0.0065	mg/Kg	☼	10/26/21 17:19	10/26/21 19:35	1

Client: AECC
Project/Site: UMC - Widewaters

Job ID: 480-191278-1

Client Sample ID: TP-5-1
Date Collected: 10/21/21 16:00
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-9
Matrix: Solid
Percent Solids: 70.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		6.3	0.46	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
1,1,2,2-Tetrachloroethane	ND		6.3	1.0	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.3	1.4	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
1,1,2-Trichloroethane	ND		6.3	0.82	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
1,1-Dichloroethane	ND		6.3	0.77	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
1,1-Dichloroethene	ND		6.3	0.77	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
1,2,4-Trichlorobenzene	ND		6.3	0.38	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
1,2,4-Trimethylbenzene	ND		6.3	1.2	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
1,2-Dibromo-3-Chloropropane	ND		6.3	3.2	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
1,2-Dichlorobenzene	ND		6.3	0.49	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
1,2-Dichloroethane	ND		6.3	0.32	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
1,2-Dichloropropane	ND		6.3	3.2	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
1,3,5-Trimethylbenzene	ND		6.3	0.41	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
1,3-Dichlorobenzene	ND		6.3	0.32	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
1,4-Dichlorobenzene	ND		6.3	0.88	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
2-Butanone (MEK)	ND		32	2.3	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
2-Hexanone	ND		32	3.2	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
4-Isopropyltoluene	ND		6.3	0.51	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
4-Methyl-2-pentanone (MIBK)	ND		32	2.1	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
Acetone	ND		32	5.3	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
Benzene	ND		6.3	0.31	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
Bromoform	ND		6.3	3.2	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
Bromomethane	ND		6.3	0.57	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
Carbon disulfide	ND		6.3	3.2	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
Carbon tetrachloride	ND		6.3	0.61	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
Chlorobenzene	ND		6.3	0.83	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
Dibromochloromethane	ND		6.3	0.81	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
Chloroethane	ND		6.3	1.4	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
Chloroform	ND		6.3	0.39	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
Chloromethane	ND		6.3	0.38	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
cis-1,2-Dichloroethene	ND		6.3	0.81	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
Cyclohexane	ND		6.3	0.88	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
Bromodichloromethane	ND		6.3	0.85	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
Dichlorodifluoromethane	ND		6.3	0.52	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
Ethylbenzene	ND		6.3	0.44	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
1,2-Dibromoethane	ND		6.3	0.81	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
Isopropylbenzene	ND		6.3	0.95	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
Methyl acetate	ND		32	3.8	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
Methyl tert-butyl ether	ND		6.3	0.62	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
Methylcyclohexane	ND		6.3	0.96	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
Methylene Chloride	ND		6.3	2.9	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
m,p-Xylene	ND		13	1.1	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
Naphthalene	ND		6.3	0.85	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
n-Butylbenzene	ND		6.3	0.55	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
N-Propylbenzene	ND		6.3	0.50	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
o-Xylene	ND		6.3	0.82	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
sec-Butylbenzene	ND		6.3	0.55	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
Tetrachloroethene	ND		6.3	0.85	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
Toluene	ND		6.3	0.48	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1

Client Sample ID: TP-5-1
Date Collected: 10/21/21 16:00
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-9
Matrix: Solid
Percent Solids: 70.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		6.3	0.65	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
trans-1,3-Dichloropropene	ND		6.3	2.8	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
Trichloroethene	ND		6.3	1.4	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
Trichlorofluoromethane	ND		6.3	0.60	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
Vinyl chloride	ND		6.3	0.77	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
Xylenes, Total	ND		13	1.1	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
cis-1,3-Dichloropropene	ND		6.3	0.91	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
Styrene	ND		6.3	0.32	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1
tert-Butylbenzene	ND		6.3	0.66	ug/Kg	☼	10/22/21 11:00	10/25/21 23:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*64 - 126*	*10/22/21 11:00*	*10/25/21 23:29*	*1*
4-Bromofluorobenzene (Surr)	*95*		*72 - 126*	*10/22/21 11:00*	*10/25/21 23:29*	*1*
Toluene-d8 (Surr)	*93*		*71 - 125*	*10/22/21 11:00*	*10/25/21 23:29*	*1*
Dibromofluoromethane (Surr)	*103*		*60 - 140*	*10/22/21 11:00*	*10/25/21 23:29*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		1200	170	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
bis (2-chloroisopropyl) ether	ND		1200	240	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
2,4,5-Trichlorophenol	ND		1200	320	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
2,4,6-Trichlorophenol	ND		1200	240	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
2,4-Dichlorophenol	ND		1200	130	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
2,4-Dimethylphenol	ND		1200	290	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
2,4-Dinitrophenol	ND		12000	5500	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
2,4-Dinitrotoluene	ND		1200	240	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
2,6-Dinitrotoluene	ND		1200	140	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
2-Chloronaphthalene	ND		1200	200	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
2-Chlorophenol	ND		2300	220	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
2-Methylnaphthalene	ND		1200	240	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
2-Methylphenol	ND		1200	140	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
2-Nitroaniline	ND		2300	170	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
2-Nitrophenol	ND		1200	330	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
3,3'-Dichlorobenzidine	ND		2300	1400	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
3-Nitroaniline	ND		2300	330	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
4,6-Dinitro-2-methylphenol	ND		2300	1200	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
4-Bromophenyl phenyl ether	ND		1200	170	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
4-Chloro-3-methylphenol	ND		1200	290	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
4-Chloroaniline	ND		1200	290	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
4-Chlorophenyl phenyl ether	ND		1200	150	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
4-Methylphenol	ND		2300	140	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
4-Nitroaniline	ND		2300	620	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
4-Nitrophenol	ND		2300	830	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
Acenaphthene	ND		1200	170	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
Acenaphthylene	ND		1200	150	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
Acetophenone	ND		1200	160	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
Anthracene	ND		1200	290	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
Atrazine	ND		1200	410	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
Benzaldehyde	ND		1200	940	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
Benzo[a]anthracene	**410**	**J**	1200	120	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5

Client Sample ID: TP-5-1
Date Collected: 10/21/21 16:00
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-9
Matrix: Solid
Percent Solids: 70.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**400**	**J**	1200	170	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
Benzo[b]fluoranthene	**590**	**J**	1200	190	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
Benzo[g,h,i]perylene	**230**	**J**	1200	130	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
Benzo[k]fluoranthene	**170**	**J**	1200	150	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
Bis(2-chloroethoxy)methane	ND		1200	250	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
Bis(2-chloroethyl)ether	ND		1200	150	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
Bis(2-ethylhexyl) phthalate	ND		1200	400	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
Butyl benzyl phthalate	ND		1200	200	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
Caprolactam	ND		1200	360	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
Carbazole	ND		1200	140	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
Chrysene	**480**	**J**	1200	260	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
Di-n-butyl phthalate	ND		1200	200	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
Di-n-octyl phthalate	ND		1200	140	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
Dibenz(a,h)anthracene	ND		1200	210	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
Dibenzofuran	ND		1200	140	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
Diethyl phthalate	ND		1200	150	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
Dimethyl phthalate	ND		1200	140	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
Fluoranthene	**910**	**J**	1200	130	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
Fluorene	ND		1200	140	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
Hexachlorobenzene	ND		1200	160	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
Hexachlorobutadiene	ND		1200	170	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
Hexachlorocyclopentadiene	ND		1200	160	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
Hexachloroethane	ND		1200	150	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
Indeno[1,2,3-cd]pyrene	**220**	**J**	1200	150	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
Isophorone	ND		1200	250	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
N-Nitrosodi-n-propylamine	ND		1200	200	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
N-Nitrosodiphenylamine	ND		1200	960	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
Naphthalene	ND		1200	150	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
Nitrobenzene	ND		1200	130	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
Pentachlorophenol	ND		2300	1200	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
Phenanthrene	**450**	**J**	1200	170	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
Phenol	ND		1200	180	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5
Pyrene	**720**	**J**	1200	140	ug/Kg	☼	10/25/21 08:26	10/28/21 18:48	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*72*		*54 - 120*	*10/25/21 08:26*	*10/28/21 18:48*	*5*
2-Fluorobiphenyl	*93*		*60 - 120*	*10/25/21 08:26*	*10/28/21 18:48*	*5*
2-Fluorophenol	*83*		*52 - 120*	*10/25/21 08:26*	*10/28/21 18:48*	*5*
Nitrobenzene-d5	*81*		*53 - 120*	*10/25/21 08:26*	*10/28/21 18:48*	*5*
p-Terphenyl-d14	*100*		*79 - 130*	*10/25/21 08:26*	*10/28/21 18:48*	*5*
Phenol-d5	*83*		*54 - 120*	*10/25/21 08:26*	*10/28/21 18:48*	*5*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10200**		13.8	6.1	mg/Kg	☼	10/26/21 18:15	10/28/21 01:34	1
Antimony	**0.66**	**J**	20.7	0.55	mg/Kg	☼	10/26/21 18:15	10/28/21 01:34	1
Arsenic	**4.8**		2.8	0.55	mg/Kg	☼	10/26/21 18:15	11/01/21 18:03	1
Barium	**85.3**		0.69	0.15	mg/Kg	☼	10/26/21 18:15	10/28/21 01:34	1
Beryllium	**0.48**		0.28	0.039	mg/Kg	☼	10/26/21 18:15	10/28/21 01:34	1
Cadmium	**0.21**	**J**	0.28	0.041	mg/Kg	☼	10/26/21 18:15	11/01/21 18:03	1

Client: AECC
Project/Site: UMC - Widewaters

Job ID: 480-191278-1

Client Sample ID: TP-5-1
Date Collected: 10/21/21 16:00
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-9
Matrix: Solid
Percent Solids: 70.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	78800		69.1	4.6	mg/Kg	☼	10/26/21 18:15	10/28/21 01:34	1
Chromium	13.7		0.69	0.28	mg/Kg	☼	10/26/21 18:15	10/28/21 01:34	1
Cobalt	7.1		0.69	0.069	mg/Kg	☼	10/26/21 18:15	10/28/21 01:34	1
Copper	24.7		1.4	0.29	mg/Kg	☼	10/26/21 18:15	10/28/21 01:34	1
Iron	15000		13.8	4.8	mg/Kg	☼	10/26/21 18:15	10/28/21 01:34	1
Lead	54.9		1.4	0.33	mg/Kg	☼	10/26/21 18:15	10/28/21 01:34	1
Magnesium	26300		27.6	1.3	mg/Kg	☼	10/26/21 18:15	10/28/21 01:34	1
Manganese	380	B	0.28	0.044	mg/Kg	☼	10/26/21 18:15	10/28/21 01:34	1
Nickel	17.6		6.9	0.32	mg/Kg	☼	10/26/21 18:15	10/28/21 01:34	1
Potassium	2640		41.4	27.6	mg/Kg	☼	10/26/21 18:15	10/28/21 01:34	1
Selenium	ND		5.5	0.55	mg/Kg	☼	10/26/21 18:15	10/28/21 01:34	1
Silver	ND		0.83	0.28	mg/Kg	☼	10/26/21 18:15	10/28/21 01:34	1
Sodium	146	J	193	18.0	mg/Kg	☼	10/26/21 18:15	10/28/21 01:34	1
Thallium	ND		8.3	0.41	mg/Kg	☼	10/26/21 18:15	10/28/21 01:34	1
Vanadium	20.2		0.69	0.15	mg/Kg	☼	10/26/21 18:15	10/28/21 01:34	1
Zinc	66.4		2.8	0.88	mg/Kg	☼	10/26/21 18:15	10/28/21 01:34	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.13		0.025	0.0057	mg/Kg	☼	10/26/21 17:19	10/26/21 19:36	1

Client: AECC
Project/Site: UMC - Widewaters

Job ID: 480-191278-1

Client Sample ID: TP-7-1
Date Collected: 10/21/21 16:15
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-10
Matrix: Solid
Percent Solids: 77.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.5	0.40	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
1,1,2,2-Tetrachloroethane	ND		5.5	0.90	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	1.3	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
1,1,2-Trichloroethane	ND		5.5	0.72	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
1,1-Dichloroethane	ND		5.5	0.68	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
1,1-Dichloroethene	ND		5.5	0.68	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
1,2,4-Trichlorobenzene	ND		5.5	0.34	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
1,2,4-Trimethylbenzene	ND		5.5	1.1	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
1,2-Dibromo-3-Chloropropane	ND		5.5	2.8	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
1,2-Dichlorobenzene	ND		5.5	0.43	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
1,2-Dichloroethane	ND		5.5	0.28	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
1,2-Dichloropropane	ND		5.5	2.8	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
1,3,5-Trimethylbenzene	ND		5.5	0.36	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
1,3-Dichlorobenzene	ND		5.5	0.28	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
1,4-Dichlorobenzene	ND		5.5	0.78	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
2-Butanone (MEK)	ND		28	2.0	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
2-Hexanone	ND		28	2.8	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
4-Isopropyltoluene	ND		5.5	0.44	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
4-Methyl-2-pentanone (MIBK)	ND		28	1.8	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
Acetone	ND		28	4.7	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
Benzene	ND		5.5	0.27	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
Bromoform	ND		5.5	2.8	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
Bromomethane	ND		5.5	0.50	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
Carbon disulfide	ND		5.5	2.8	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
Carbon tetrachloride	ND		5.5	0.54	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
Chlorobenzene	ND		5.5	0.73	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
Dibromochloromethane	ND		5.5	0.71	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
Chloroethane	ND		5.5	1.3	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
Chloroform	ND		5.5	0.34	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
Chloromethane	ND		5.5	0.33	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
cis-1,2-Dichloroethene	ND		5.5	0.71	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
Cyclohexane	ND		5.5	0.78	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
Bromodichloromethane	ND		5.5	0.74	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
Dichlorodifluoromethane	ND		5.5	0.46	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
Ethylbenzene	ND		5.5	0.38	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
1,2-Dibromoethane	ND		5.5	0.71	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
Isopropylbenzene	ND		5.5	0.84	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
Methyl acetate	ND		28	3.3	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
Methyl tert-butyl ether	ND		5.5	0.54	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
Methylcyclohexane	ND		5.5	0.84	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
Methylene Chloride	ND		5.5	2.5	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
m,p-Xylene	ND		11	0.93	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
Naphthalene	ND		5.5	0.74	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
n-Butylbenzene	ND		5.5	0.48	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
N-Propylbenzene	ND		5.5	0.44	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
o-Xylene	ND		5.5	0.72	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
sec-Butylbenzene	ND		5.5	0.48	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
Tetrachloroethene	ND		5.5	0.74	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
Toluene	ND		5.5	0.42	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1

Client Sample ID: TP-7-1
Date Collected: 10/21/21 16:15
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-10
Matrix: Solid
Percent Solids: 77.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		5.5	0.57	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
trans-1,3-Dichloropropene	ND		5.5	2.4	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
Trichloroethene	ND		5.5	1.2	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
Trichlorofluoromethane	ND		5.5	0.52	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
Vinyl chloride	ND		5.5	0.68	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
Xylenes, Total	ND		11	0.93	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
cis-1,3-Dichloropropene	ND		5.5	0.80	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
Styrene	ND		5.5	0.28	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1
tert-Butylbenzene	ND		5.5	0.58	ug/Kg	☼	10/22/21 11:00	10/25/21 23:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*64 - 126*	*10/22/21 11:00*	*10/25/21 23:54*	*1*
4-Bromofluorobenzene (Surr)	*95*		*72 - 126*	*10/22/21 11:00*	*10/25/21 23:54*	*1*
Toluene-d8 (Surr)	*93*		*71 - 125*	*10/22/21 11:00*	*10/25/21 23:54*	*1*
Dibromofluoromethane (Surr)	*104*		*60 - 140*	*10/22/21 11:00*	*10/25/21 23:54*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		1100	160	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
bis (2-chloroisopropyl) ether	ND		1100	220	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
2,4,5-Trichlorophenol	ND		1100	290	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
2,4,6-Trichlorophenol	ND		1100	220	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
2,4-Dichlorophenol	ND		1100	110	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
2,4-Dimethylphenol	ND		1100	260	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
2,4-Dinitrophenol	ND		11000	5000	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
2,4-Dinitrotoluene	ND		1100	220	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
2,6-Dinitrotoluene	ND		1100	130	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
2-Chloronaphthalene	ND		1100	180	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
2-Chlorophenol	ND		2100	200	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
2-Methylnaphthalene	ND		1100	220	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
2-Methylphenol	ND		1100	130	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
2-Nitroaniline	ND		2100	160	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
2-Nitrophenol	ND		1100	310	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
3,3'-Dichlorobenzidine	ND		2100	1300	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
3-Nitroaniline	ND		2100	300	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
4,6-Dinitro-2-methylphenol	ND		2100	1100	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
4-Bromophenyl phenyl ether	ND		1100	150	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
4-Chloro-3-methylphenol	ND		1100	270	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
4-Chloroaniline	ND		1100	270	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
4-Chlorophenyl phenyl ether	ND		1100	130	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
4-Methylphenol	ND		2100	130	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
4-Nitroaniline	ND		2100	570	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
4-Nitrophenol	ND		2100	760	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
Acenaphthene	ND		1100	160	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
Acenaphthylene	**150**	**J**	1100	140	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
Acetophenone	ND		1100	150	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
Anthracene	**320**	**J**	1100	270	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
Atrazine	ND		1100	380	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
Benzaldehyde	ND		1100	860	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
Benzo[a]anthracene	**990**	**J**	1100	110	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5

Client Sample ID: TP-7-1
Date Collected: 10/21/21 16:15
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-10
Matrix: Solid
Percent Solids: 77.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**1100**		1100	160	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
Benzo[b]fluoranthene	**1400**		1100	170	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
Benzo[g,h,i]perylene	**790**	**J**	1100	110	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
Benzo[k]fluoranthene	**630**	**J**	1100	140	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
Bis(2-chloroethoxy)methane	ND		1100	230	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
Bis(2-chloroethyl)ether	ND		1100	140	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
Bis(2-ethylhexyl) phthalate	ND		1100	370	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
Butyl benzyl phthalate	ND		1100	180	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
Caprolactam	ND		1100	320	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
Carbazole	ND		1100	130	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
Chrysene	**1000**	**J**	1100	240	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
Di-n-butyl phthalate	ND		1100	180	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
Di-n-octyl phthalate	ND		1100	130	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
Dibenz(a,h)anthracene	ND		1100	190	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
Dibenzofuran	ND		1100	130	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
Diethyl phthalate	ND		1100	140	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
Dimethyl phthalate	ND		1100	130	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
Fluoranthene	**1900**		1100	110	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
Fluorene	ND		1100	130	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
Hexachlorobenzene	ND		1100	150	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
Hexachlorobutadiene	ND		1100	160	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
Hexachlorocyclopentadiene	ND		1100	150	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
Hexachloroethane	ND		1100	140	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
Indeno[1,2,3-cd]pyrene	**690**	**J**	1100	130	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
Isophorone	ND		1100	230	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
N-Nitrosodi-n-propylamine	ND		1100	180	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
N-Nitrosodiphenylamine	ND		1100	880	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
Naphthalene	ND		1100	140	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
Nitrobenzene	ND		1100	120	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
Pentachlorophenol	ND		2100	1100	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
Phenanthrene	**780**	**J**	1100	160	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
Phenol	ND		1100	170	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5
Pyrene	**1600**		1100	130	ug/Kg	☼	10/25/21 08:26	10/28/21 19:12	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*80*		*54 - 120*	*10/25/21 08:26*	*10/28/21 19:12*	*5*
2-Fluorobiphenyl	*109*		*60 - 120*	*10/25/21 08:26*	*10/28/21 19:12*	*5*
2-Fluorophenol	*85*		*52 - 120*	*10/25/21 08:26*	*10/28/21 19:12*	*5*
Nitrobenzene-d5	*87*		*53 - 120*	*10/25/21 08:26*	*10/28/21 19:12*	*5*
p-Terphenyl-d14	*114*		*79 - 130*	*10/25/21 08:26*	*10/28/21 19:12*	*5*
Phenol-d5	*90*		*54 - 120*	*10/25/21 08:26*	*10/28/21 19:12*	*5*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9220**		13.5	5.9	mg/Kg	☼	10/26/21 18:15	10/28/21 01:38	1
Antimony	ND		20.2	0.54	mg/Kg	☼	10/26/21 18:15	10/28/21 01:38	1
Arsenic	**3.4**		2.7	0.54	mg/Kg	☼	10/26/21 18:15	11/01/21 18:19	1
Barium	**55.6**		0.67	0.15	mg/Kg	☼	10/26/21 18:15	10/28/21 01:38	1
Beryllium	**0.39**		0.27	0.038	mg/Kg	☼	10/26/21 18:15	10/28/21 01:38	1
Cadmium	**0.16**	**J**	0.27	0.040	mg/Kg	☼	10/26/21 18:15	11/01/21 18:19	1

Client: AECC
Project/Site: UMC - Widewaters

Job ID: 480-191278-1

Client Sample ID: TP-7-1
Date Collected: 10/21/21 16:15
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-10
Matrix: Solid
Percent Solids: 77.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	88800		67.3	4.4	mg/Kg	☼	10/26/21 18:15	10/28/21 01:38	1
Chromium	12.8		0.67	0.27	mg/Kg	☼	10/26/21 18:15	10/28/21 01:38	1
Cobalt	5.4		0.67	0.067	mg/Kg	☼	10/26/21 18:15	10/28/21 01:38	1
Copper	15.4		1.3	0.28	mg/Kg	☼	10/26/21 18:15	10/28/21 01:38	1
Iron	11000		13.5	4.7	mg/Kg	☼	10/26/21 18:15	10/28/21 01:38	1
Lead	21.3		1.3	0.32	mg/Kg	☼	10/26/21 18:15	10/28/21 01:38	1
Magnesium	13800		26.9	1.2	mg/Kg	☼	10/26/21 18:15	10/28/21 01:38	1
Manganese	276	B	0.27	0.043	mg/Kg	☼	10/26/21 18:15	10/28/21 01:38	1
Nickel	11.6		6.7	0.31	mg/Kg	☼	10/26/21 18:15	10/28/21 01:38	1
Potassium	2140		40.4	26.9	mg/Kg	☼	10/26/21 18:15	10/28/21 01:38	1
Selenium	ND		5.4	0.54	mg/Kg	☼	10/26/21 18:15	10/28/21 01:38	1
Silver	ND		0.81	0.27	mg/Kg	☼	10/26/21 18:15	10/28/21 01:38	1
Sodium	148	J	188	17.5	mg/Kg	☼	10/26/21 18:15	10/28/21 01:38	1
Thallium	ND		8.1	0.40	mg/Kg	☼	10/26/21 18:15	10/28/21 01:38	1
Vanadium	18.9		0.67	0.15	mg/Kg	☼	10/26/21 18:15	10/28/21 01:38	1
Zinc	40.1		2.7	0.86	mg/Kg	☼	10/26/21 18:15	10/28/21 01:38	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.046		0.026	0.0059	mg/Kg	☼	10/26/21 17:19	10/26/21 19:37	1

Surrogate Summary

Client: AECC
Project/Site: UMC - Widewaters

Job ID: 480-191278-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(64-126)	(72-126)	(71-125)	(60-140)
480-191278-1	TP-2-1	105	97	95	103
480-191278-2	TP-4-2	105	94	94	100
480-191278-3	TP-6-1	102	96	94	104
480-191278-4	TP-9-1	106	99	94	106
480-191278-5	TP-10-1	101	95	93	102
480-191278-6	TP-11-1	101	96	93	103
480-191278-7	TP-12-2	103	97	93	103
480-191278-8	TP-13-7	105	94	95	104
480-191278-9	TP-5-1	102	95	93	103
480-191278-10	TP-7-1	107	95	93	104
LCS 480-601953/1-A	Lab Control Sample	96	99	96	99
MB 480-601953/2-A	Method Blank	99	96	94	100

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPHd14	PHL
Lab Sample ID	Client Sample ID	(54-120)	(60-120)	(52-120)	(53-120)	(79-130)	(54-120)
480-191278-1	TP-2-1	64	94	80	84	101	86
480-191278-1 MS	TP-2-1	92	97	86	88	106	88
480-191278-1 MSD	TP-2-1	95	102	85	90	107	90
480-191278-2	TP-4-2	68	99	87	89	107	88
480-191278-3	TP-6-1	66	104	87	82	107	89
480-191278-4	TP-9-1	67	94	77	83	96	84
480-191278-5	TP-10-1	78	102	89	90	108	92
480-191278-6	TP-11-1	78	102	88	85	110	94
480-191278-7	TP-12-2	96	98	87	87	110	93
480-191278-8	TP-13-7	84	93	84	84	103	89
480-191278-9	TP-5-1	72	93	83	81	100	83
480-191278-10	TP-7-1	80	109	85	87	114	90
LCS 480-601807/2-A	Lab Control Sample	105	97	85	89	111	92
MB 480-601807/1-A	Method Blank	89	98	88	88	109	94

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: AECC
Project/Site: UMC - Widewaters

Job ID: 480-191278-1

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)
480-191278-1	TP-2-1	157 S1+	96
480-191278-2	TP-4-2	102	88
480-191278-3	TP-6-1	107	112
480-191278-3 MS	TP-6-1	160 S1+	113
480-191278-3 MSD	TP-6-1	97	108
480-191278-5	TP-10-1	88	61
480-191278-7	TP-12-2	104	73
LCS 480-601979/2-A	Lab Control Sample	94	72
MB 480-601979/1-A	Method Blank	101	78

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)
480-191278-1	TP-2-1	113	113
480-191278-1 MS	TP-2-1	127	137
480-191278-1 MSD	TP-2-1	132	144
480-191278-2	TP-4-2	125	124
480-191278-3	TP-6-1	133	135
480-191278-5	TP-10-1	121	119
480-191278-7	TP-12-2	130	138
LCS 480-601796/2-A	Lab Control Sample	135	142
MB 480-601796/1-A	Method Blank	107	115

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Method: 8151A - Herbicides (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		DCPAA1	DCPAA2
Lab Sample ID	Client Sample ID	(65-150)	(65-150)
480-191278-1	TP-2-1	278 S1+	123
480-191278-2	TP-4-2	314 S1+	125
480-191278-3	TP-6-1	330 S1+	136
480-191278-5	TP-10-1	362 S1+	126
480-191278-7	TP-12-2	256 S1+	119
LCS 460-810026/2-A	Lab Control Sample	118	122
LCSD 460-810026/3-A	Lab Control Sample Dup	109	113
MB 460-810026/1-A	Method Blank	107	112

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

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

Lab Sample ID: MB 480-601953/2-A
Matrix: Solid
Analysis Batch: 601955

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 601953

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
1,2,4-Trimethylbenzene	ND		5.0	0.96	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
1,3,5-Trimethylbenzene	ND		5.0	0.32	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
2-Hexanone	ND		25	2.5	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
4-Isopropyltoluene	ND		5.0	0.40	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
Acetone	ND		25	4.2	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
Benzene	ND		5.0	0.25	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
Bromoform	ND		5.0	2.5	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
Bromomethane	ND		5.0	0.45	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
Carbon disulfide	ND		5.0	2.5	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
Chlorobenzene	ND		5.0	0.66	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
Chloroethane	ND		5.0	1.1	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
Chloroform	ND		5.0	0.31	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
Chloromethane	ND		5.0	0.30	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
Cyclohexane	ND		5.0	0.70	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
Ethylbenzene	ND		5.0	0.35	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
Methyl acetate	ND		25	3.0	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
Methylene Chloride	ND		5.0	2.3	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
m,p-Xylene	ND		10	0.84	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
Naphthalene	ND		5.0	0.67	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
n-Butylbenzene	ND		5.0	0.44	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
N-Propylbenzene	ND		5.0	0.40	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
o-Xylene	ND		5.0	0.65	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
sec-Butylbenzene	ND		5.0	0.44	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg		10/25/21 16:50	10/25/21 19:47	1

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

Lab Sample ID: MB 480-601953/2-A
Matrix: Solid
Analysis Batch: 601955

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 601953

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		5.0	0.38	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
Trichloroethene	ND		5.0	1.1	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
Vinyl chloride	ND		5.0	0.61	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
Xylenes, Total	ND		10	0.84	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
Styrene	ND		5.0	0.25	ug/Kg		10/25/21 16:50	10/25/21 19:47	1
tert-Butylbenzene	ND		5.0	0.52	ug/Kg		10/25/21 16:50	10/25/21 19:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*64 - 126*	*10/25/21 16:50*	*10/25/21 19:47*	*1*
4-Bromofluorobenzene (Surr)	*96*		*72 - 126*	*10/25/21 16:50*	*10/25/21 19:47*	*1*
Toluene-d8 (Surr)	*94*		*71 - 125*	*10/25/21 16:50*	*10/25/21 19:47*	*1*
Dibromofluoromethane (Surr)	*100*		*60 - 140*	*10/25/21 16:50*	*10/25/21 19:47*	*1*

Lab Sample ID: LCS 480-601953/1-A
Matrix: Solid
Analysis Batch: 601955

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 601953

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	50.0	49.5		ug/Kg		99	77 - 121
1,1,2,2-Tetrachloroethane	50.0	48.6		ug/Kg		97	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	43.0		ug/Kg		86	60 - 140
1,1,2-Trichloroethane	50.0	48.1		ug/Kg		96	78 - 122
1,1-Dichloroethane	50.0	46.7		ug/Kg		93	73 - 126
1,1-Dichloroethene	50.0	41.6		ug/Kg		83	59 - 125
1,2,4-Trichlorobenzene	50.0	46.4		ug/Kg		93	64 - 120
1,2,4-Trimethylbenzene	50.0	47.1		ug/Kg		94	74 - 120
1,2-Dibromo-3-Chloropropane	50.0	45.6		ug/Kg		91	63 - 124
1,2-Dichlorobenzene	50.0	46.7		ug/Kg		93	75 - 120
1,2-Dichloroethane	50.0	48.3		ug/Kg		97	77 - 122
1,2-Dichloropropane	50.0	47.8		ug/Kg		96	75 - 124
1,3,5-Trimethylbenzene	50.0	46.8		ug/Kg		94	74 - 120
1,3-Dichlorobenzene	50.0	46.7		ug/Kg		93	74 - 120
1,4-Dichlorobenzene	50.0	46.5		ug/Kg		93	73 - 120
2-Butanone (MEK)	250	261		ug/Kg		104	70 - 134
2-Hexanone	250	276		ug/Kg		111	59 - 130
4-Isopropyltoluene	50.0	47.5		ug/Kg		95	74 - 120
4-Methyl-2-pentanone (MIBK)	250	261		ug/Kg		105	65 - 133
Acetone	250	273		ug/Kg		109	61 - 137
Benzene	50.0	46.6		ug/Kg		93	79 - 127
Bromoform	50.0	51.1		ug/Kg		102	68 - 126
Bromomethane	50.0	47.6		ug/Kg		95	37 - 149
Carbon disulfide	50.0	39.0		ug/Kg		78	64 - 131
Carbon tetrachloride	50.0	58.2		ug/Kg		116	75 - 135
Chlorobenzene	50.0	47.3		ug/Kg		95	76 - 124

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

Lab Sample ID: LCS 480-601953/1-A
Matrix: Solid
Analysis Batch: 601955

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 601953

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dibromochloromethane	50.0	49.7		ug/Kg		99	76 - 125
Chloroethane	50.0	46.8		ug/Kg		94	69 - 135
Chloroform	50.0	47.2		ug/Kg		94	80 - 120
Chloromethane	50.0	42.9		ug/Kg		86	63 - 127
cis-1,2-Dichloroethene	50.0	48.1		ug/Kg		96	81 - 120
Cyclohexane	50.0	44.3		ug/Kg		89	65 - 120
Bromodichloromethane	50.0	54.0		ug/Kg		108	80 - 122
Dichlorodifluoromethane	50.0	40.0		ug/Kg		80	57 - 142
Ethylbenzene	50.0	48.0		ug/Kg		96	80 - 120
1,2-Dibromoethane	50.0	49.8		ug/Kg		100	78 - 120
Isopropylbenzene	50.0	46.3		ug/Kg		93	72 - 120
Methyl acetate	100	101		ug/Kg		101	55 - 136
Methyl tert-butyl ether	50.0	51.9		ug/Kg		104	63 - 125
Methylcyclohexane	50.0	47.6		ug/Kg		95	60 - 140
Methylene Chloride	50.0	46.4		ug/Kg		93	61 - 127
m,p-Xylene	50.0	48.3		ug/Kg		97	70 - 130
Naphthalene	50.0	46.9		ug/Kg		94	38 - 137
n-Butylbenzene	50.0	47.0		ug/Kg		94	70 - 120
N-Propylbenzene	50.0	46.5		ug/Kg		93	70 - 130
o-Xylene	50.0	48.1		ug/Kg		96	70 - 130
sec-Butylbenzene	50.0	47.0		ug/Kg		94	74 - 120
Tetrachloroethene	50.0	47.4		ug/Kg		95	74 - 122
Toluene	50.0	46.5		ug/Kg		93	74 - 128
trans-1,2-Dichloroethene	50.0	47.6		ug/Kg		95	78 - 126
trans-1,3-Dichloropropene	50.0	51.4		ug/Kg		103	73 - 123
Trichloroethene	50.0	47.7		ug/Kg		95	77 - 129
Trichlorofluoromethane	50.0	42.2		ug/Kg		84	65 - 146
Vinyl chloride	50.0	45.6		ug/Kg		91	61 - 133
cis-1,3-Dichloropropene	50.0	50.6		ug/Kg		101	80 - 120
Styrene	50.0	48.9		ug/Kg		98	80 - 120
tert-Butylbenzene	50.0	46.5		ug/Kg		93	73 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*64 - 126*
4-Bromofluorobenzene (Surr)	*99*		*72 - 126*
Toluene-d8 (Surr)	*96*		*71 - 125*
Dibromofluoromethane (Surr)	*99*		*60 - 140*

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

Lab Sample ID: MB 480-601807/1-A
Matrix: Solid
Analysis Batch: 602015

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 601807

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		170	25	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
bis (2-chloroisopropyl) ether	ND		170	34	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
2,4,5-Trichlorophenol	ND		170	46	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
2,4,6-Trichlorophenol	ND		170	34	ug/Kg		10/25/21 08:26	10/26/21 16:44	1

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

Lab Sample ID: MB 480-601807/1-A
Matrix: Solid
Analysis Batch: 602015

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 601807

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenol	ND		170	18	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
2,4-Dimethylphenol	ND		170	41	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
2,4-Dinitrophenol	ND		1700	780	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
2,4-Dinitrotoluene	ND		170	35	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
2,6-Dinitrotoluene	ND		170	20	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
2-Chloronaphthalene	ND		170	28	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
2-Chlorophenol	ND		330	31	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
2-Methylnaphthalene	ND		170	34	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
2-Methylphenol	ND		170	20	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
2-Nitroaniline	ND		330	25	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
2-Nitrophenol	ND		170	48	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
3,3'-Dichlorobenzidine	ND		330	200	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
3-Nitroaniline	ND		330	47	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
4,6-Dinitro-2-methylphenol	ND		330	170	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
4-Bromophenyl phenyl ether	ND		170	24	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
4-Chloro-3-methylphenol	ND		170	42	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
4-Chloroaniline	ND		170	42	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
4-Chlorophenyl phenyl ether	ND		170	21	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
4-Methylphenol	ND		330	20	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
4-Nitroaniline	ND		330	89	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
4-Nitrophenol	ND		330	120	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
Acenaphthene	ND		170	25	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
Acenaphthylene	ND		170	22	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
Acetophenone	ND		170	23	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
Anthracene	ND		170	42	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
Atrazine	ND		170	59	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
Benzaldehyde	ND		170	130	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
Benzo[a]anthracene	ND		170	17	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
Benzo[a]pyrene	ND		170	25	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
Benzo[b]fluoranthene	ND		170	27	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
Benzo[g,h,i]perylene	ND		170	18	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
Benzo[k]fluoranthene	ND		170	22	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
Bis(2-chloroethoxy)methane	ND		170	36	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
Bis(2-chloroethyl)ether	ND		170	22	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
Bis(2-ethylhexyl) phthalate	ND		170	58	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
Butyl benzyl phthalate	ND		170	28	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
Caprolactam	ND		170	51	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
Carbazole	ND		170	20	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
Chrysene	ND		170	38	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
Di-n-butyl phthalate	ND		170	29	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
Di-n-octyl phthalate	ND		170	20	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
Dibenz(a,h)anthracene	ND		170	30	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
Dibenzofuran	ND		170	20	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
Diethyl phthalate	ND		170	22	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
Dimethyl phthalate	ND		170	20	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
Fluoranthene	ND		170	18	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
Fluorene	ND		170	20	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
Hexachlorobenzene	ND		170	23	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
Hexachlorobutadiene	ND		170	25	ug/Kg		10/25/21 08:26	10/26/21 16:44	1

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

Lab Sample ID: MB 480-601807/1-A
Matrix: Solid
Analysis Batch: 602015

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 601807

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		170	23	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
Hexachloroethane	ND		170	22	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
Indeno[1,2,3-cd]pyrene	ND		170	21	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
Isophorone	ND		170	36	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
N-Nitrosodi-n-propylamine	ND		170	29	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
N-Nitrosodiphenylamine	ND		170	140	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
Naphthalene	ND		170	22	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
Nitrobenzene	ND		170	19	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
Pentachlorophenol	ND		330	170	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
Phenanthrene	ND		170	25	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
Phenol	ND		170	26	ug/Kg		10/25/21 08:26	10/26/21 16:44	1
Pyrene	ND		170	20	ug/Kg		10/25/21 08:26	10/26/21 16:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*89*		*54 - 120*	*10/25/21 08:26*	*10/26/21 16:44*	*1*
2-Fluorobiphenyl	*98*		*60 - 120*	*10/25/21 08:26*	*10/26/21 16:44*	*1*
2-Fluorophenol	*88*		*52 - 120*	*10/25/21 08:26*	*10/26/21 16:44*	*1*
Nitrobenzene-d5	*88*		*53 - 120*	*10/25/21 08:26*	*10/26/21 16:44*	*1*
p-Terphenyl-d14	*109*		*79 - 130*	*10/25/21 08:26*	*10/26/21 16:44*	*1*
Phenol-d5	*94*		*54 - 120*	*10/25/21 08:26*	*10/26/21 16:44*	*1*

Lab Sample ID: LCS 480-601807/2-A
Matrix: Solid
Analysis Batch: 602015

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 601807

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Biphenyl	1660	1510		ug/Kg		91	59 - 120
bis (2-chloroisopropyl) ether	1660	1370		ug/Kg		82	44 - 120
2,4,5-Trichlorophenol	1660	1710		ug/Kg		103	59 - 126
2,4,6-Trichlorophenol	1660	1650		ug/Kg		99	59 - 123
2,4-Dichlorophenol	1660	1560		ug/Kg		94	61 - 120
2,4-Dimethylphenol	1660	1560		ug/Kg		94	59 - 120
2,4-Dinitrophenol	3320	3530		ug/Kg		106	41 - 146
2,4-Dinitrotoluene	1660	1810		ug/Kg		109	63 - 120
2,6-Dinitrotoluene	1660	1730		ug/Kg		104	66 - 120
2-Chloronaphthalene	1660	1510		ug/Kg		91	57 - 120
2-Chlorophenol	1660	1440		ug/Kg		87	53 - 120
2-Methylnaphthalene	1660	1470		ug/Kg		89	59 - 120
2-Methylphenol	1660	1490		ug/Kg		90	54 - 120
2-Nitroaniline	1660	1730		ug/Kg		104	61 - 120
2-Nitrophenol	1660	1410		ug/Kg		85	56 - 120
3,3'-Dichlorobenzidine	3320	3230		ug/Kg		97	54 - 120
3-Nitroaniline	1660	1200		ug/Kg		72	48 - 120
4,6-Dinitro-2-methylphenol	3320	3430		ug/Kg		103	49 - 122
4-Bromophenyl phenyl ether	1660	1700		ug/Kg		102	58 - 120
4-Chloro-3-methylphenol	1660	1690		ug/Kg		101	61 - 120
4-Chloroaniline	1660	742		ug/Kg		45	38 - 120
4-Chlorophenyl phenyl ether	1660	1620		ug/Kg		98	63 - 124

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

Lab Sample ID: LCS 480-601807/2-A
Matrix: Solid
Analysis Batch: 602015

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 601807

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Methylphenol	1660	1550		ug/Kg		94	55 - 120
4-Nitroaniline	1660	1660		ug/Kg		100	56 - 120
4-Nitrophenol	3320	3620		ug/Kg		109	43 - 147
Acenaphthene	1660	1590		ug/Kg		96	62 - 120
Acenaphthylene	1660	1620		ug/Kg		97	58 - 121
Acetophenone	1660	1450		ug/Kg		87	54 - 120
Anthracene	1660	1740		ug/Kg		105	62 - 120
Atrazine	3320	3400		ug/Kg		102	60 - 127
Benzaldehyde	3320	2680	E	ug/Kg		81	10 - 150
Benzo[a]anthracene	1660	1780		ug/Kg		107	65 - 120
Benzo[a]pyrene	1660	1770		ug/Kg		107	64 - 120
Benzo[b]fluoranthene	1660	1810		ug/Kg		109	64 - 120
Benzo[g,h,i]perylene	1660	1750		ug/Kg		105	45 - 145
Benzo[k]fluoranthene	1660	1810		ug/Kg		109	65 - 120
Bis(2-chloroethoxy)methane	1660	1480		ug/Kg		89	55 - 120
Bis(2-chloroethyl)ether	1660	1380		ug/Kg		83	45 - 120
Bis(2-ethylhexyl) phthalate	1660	1870		ug/Kg		113	61 - 133
Butyl benzyl phthalate	1660	1830		ug/Kg		110	61 - 129
Caprolactam	3320	3510		ug/Kg		106	47 - 120
Carbazole	1660	1800		ug/Kg		108	65 - 120
Chrysene	1660	1780		ug/Kg		107	64 - 120
Di-n-butyl phthalate	1660	1880		ug/Kg		113	58 - 130
Di-n-octyl phthalate	1660	1880		ug/Kg		113	57 - 133
Dibenz(a,h)anthracene	1660	1780		ug/Kg		107	54 - 132
Dibenzofuran	1660	1660		ug/Kg		100	63 - 120
Diethyl phthalate	1660	1750		ug/Kg		105	66 - 120
Dimethyl phthalate	1660	1710		ug/Kg		103	65 - 124
Fluoranthene	1660	1790		ug/Kg		108	62 - 120
Fluorene	1660	1660		ug/Kg		100	63 - 120
Hexachlorobenzene	1660	1710		ug/Kg		103	60 - 120
Hexachlorobutadiene	1660	1340		ug/Kg		81	45 - 120
Hexachlorocyclopentadiene	1660	1540		ug/Kg		92	47 - 120
Hexachloroethane	1660	1220		ug/Kg		73	41 - 120
Indeno[1,2,3-cd]pyrene	1660	1770		ug/Kg		107	56 - 134
Isophorone	1660	1560		ug/Kg		94	56 - 120
N-Nitrosodi-n-propylamine	1660	1480		ug/Kg		89	52 - 120
Naphthalene	1660	1420		ug/Kg		85	55 - 120
Nitrobenzene	1660	1420		ug/Kg		86	54 - 120
Pentachlorophenol	3320	3450		ug/Kg		104	51 - 120
Phenanthrene	1660	1760		ug/Kg		106	60 - 120
Phenol	1660	1440		ug/Kg		87	53 - 120
Pyrene	1660	1750		ug/Kg		105	61 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*105*		*54 - 120*
2-Fluorobiphenyl	*97*		*60 - 120*
2-Fluorophenol	*85*		*52 - 120*
Nitrobenzene-d5	*89*		*53 - 120*

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

Lab Sample ID: LCS 480-601807/2-A
Matrix: Solid
Analysis Batch: 602015

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 601807

Surrogate	LCS %Recovery	LCS Qualifier	Limits
p-Terphenyl-d14	*111*		*79 - 130*
Phenol-d5	*92*		*54 - 120*

Lab Sample ID: 480-191278-1 MS
Matrix: Solid
Analysis Batch: 602015

Client Sample ID: TP-2-1
Prep Type: Total/NA
Prep Batch: 601807

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Biphenyl	ND		2050	1930		ug/Kg	☼	94	58 - 120
bis (2-chloroisopropyl) ether	ND		2050	1680		ug/Kg	☼	82	31 - 120
2,4,5-Trichlorophenol	ND		2050	1910		ug/Kg	☼	93	46 - 120
2,4,6-Trichlorophenol	ND		2050	1800		ug/Kg	☼	88	41 - 123
2,4-Dichlorophenol	ND		2050	1840		ug/Kg	☼	90	45 - 120
2,4-Dimethylphenol	ND		2050	1900		ug/Kg	☼	92	52 - 120
2,4-Dinitrophenol	ND		4100	ND		ug/Kg	☼	NC	41 - 146
2,4-Dinitrotoluene	ND		2050	1940		ug/Kg	☼	94	63 - 125
2,6-Dinitrotoluene	ND		2050	1910		ug/Kg	☼	93	66 - 120
2-Chloronaphthalene	ND		2050	1880		ug/Kg	☼	92	57 - 120
2-Chlorophenol	ND		2050	1750	J	ug/Kg	☼	86	43 - 120
2-Methylnaphthalene	ND		2050	1890		ug/Kg	☼	92	55 - 120
2-Methylphenol	ND		2050	1820		ug/Kg	☼	89	48 - 120
2-Nitroaniline	ND		2050	1870	J	ug/Kg	☼	91	61 - 120
2-Nitrophenol	ND		2050	1700		ug/Kg	☼	83	37 - 120
3,3'-Dichlorobenzidine	ND		4100	3760		ug/Kg	☼	92	37 - 126
3-Nitroaniline	ND		2050	1690	J	ug/Kg	☼	83	48 - 120
4,6-Dinitro-2-methylphenol	ND		4100	3550		ug/Kg	☼	86	23 - 149
4-Bromophenyl phenyl ether	ND		2050	2000		ug/Kg	☼	97	58 - 120
4-Chloro-3-methylphenol	ND		2050	1870		ug/Kg	☼	91	49 - 125
4-Chloroaniline	ND		2050	1520		ug/Kg	☼	74	38 - 120
4-Chlorophenyl phenyl ether	ND		2050	2090		ug/Kg	☼	102	63 - 124
4-Methylphenol	ND		2050	1860	J	ug/Kg	☼	91	50 - 120
4-Nitroaniline	ND		2050	1930	J	ug/Kg	☼	94	47 - 120
4-Nitrophenol	ND		4100	3560		ug/Kg	☼	87	31 - 147
Acenaphthene	ND		2050	1950		ug/Kg	☼	95	60 - 120
Acenaphthylene	ND		2050	2050		ug/Kg	☼	100	58 - 121
Acetophenone	ND		2050	1810		ug/Kg	☼	88	47 - 120
Anthracene	ND		2050	2110		ug/Kg	☼	103	62 - 120
Atrazine	ND		4100	4190		ug/Kg	☼	102	60 - 150
Benzaldehyde	ND		4100	2980		ug/Kg	☼	73	10 - 150
Benzo[a]anthracene	430	J	2050	2230		ug/Kg	☼	88	65 - 120
Benzo[a]pyrene	430	J	2050	2200		ug/Kg	☼	86	64 - 120
Benzo[b]fluoranthene	520	J	2050	2290		ug/Kg	☼	86	10 - 150
Benzo[g,h,i]perylene	250	J	2050	2190		ug/Kg	☼	94	45 - 145
Benzo[k]fluoranthene	280	J	2050	2200		ug/Kg	☼	94	23 - 150
Bis(2-chloroethoxy)methane	ND		2050	1780		ug/Kg	☼	87	52 - 120
Bis(2-chloroethyl)ether	ND		2050	1800		ug/Kg	☼	88	45 - 120
Bis(2-ethylhexyl) phthalate	ND		2050	2100		ug/Kg	☼	102	61 - 133
Butyl benzyl phthalate	ND		2050	2070		ug/Kg	☼	101	61 - 120

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

Lab Sample ID: 480-191278-1 MS
Matrix: Solid
Analysis Batch: 602015

Client Sample ID: TP-2-1
Prep Type: Total/NA
Prep Batch: 601807

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Caprolactam	ND		4100	3790		ug/Kg	☼	92	37 - 133
Carbazole	ND		2050	2120		ug/Kg	☼	103	59 - 120
Chrysene	470	J	2050	2250		ug/Kg	☼	87	64 - 120
Di-n-butyl phthalate	ND		2050	2130		ug/Kg	☼	104	58 - 130
Di-n-octyl phthalate	ND		2050	2110		ug/Kg	☼	103	57 - 133
Dibenz(a,h)anthracene	ND		2050	2090		ug/Kg	☼	102	54 - 132
Dibenzofuran	ND		2050	2030		ug/Kg	☼	99	62 - 120
Diethyl phthalate	ND		2050	2020		ug/Kg	☼	98	66 - 120
Dimethyl phthalate	ND		2050	2050		ug/Kg	☼	100	65 - 124
Fluoranthene	910	J	2050	2350		ug/Kg	☼	70	62 - 120
Fluorene	ND		2050	2020		ug/Kg	☼	99	63 - 120
Hexachlorobenzene	ND		2050	2040		ug/Kg	☼	99	60 - 120
Hexachlorobutadiene	ND		2050	1720		ug/Kg	☼	84	45 - 120
Hexachlorocyclopentadiene	ND		2050	1690		ug/Kg	☼	82	31 - 120
Hexachloroethane	ND		2050	1500		ug/Kg	☼	73	21 - 120
Indeno[1,2,3-cd]pyrene	240	J	2050	2120		ug/Kg	☼	91	56 - 134
Isophorone	ND		2050	1870		ug/Kg	☼	91	56 - 120
N-Nitrosodi-n-propylamine	ND		2050	1800		ug/Kg	☼	88	46 - 120
Naphthalene	ND		2050	1780		ug/Kg	☼	87	46 - 120
Nitrobenzene	ND		2050	1750		ug/Kg	☼	85	49 - 120
Pentachlorophenol	ND		4100	2960		ug/Kg	☼	72	25 - 136
Phenanthrene	570	J	2050	2180		ug/Kg	☼	78	60 - 122
Phenol	ND		2050	1820		ug/Kg	☼	89	50 - 120
Pyrene	750	J	2050	2320		ug/Kg	☼	76	61 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol	*92*		*54 - 120*
2-Fluorobiphenyl	*97*		*60 - 120*
2-Fluorophenol	*86*		*52 - 120*
Nitrobenzene-d5	*88*		*53 - 120*
p-Terphenyl-d14	*106*		*79 - 130*
Phenol-d5	*88*		*54 - 120*

Lab Sample ID: 480-191278-1 MSD
Matrix: Solid
Analysis Batch: 602015

Client Sample ID: TP-2-1
Prep Type: Total/NA
Prep Batch: 601807

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Biphenyl	ND		2040	1980		ug/Kg	☼	97	58 - 120	3	20
bis (2-chloroisopropyl) ether	ND		2040	1790		ug/Kg	☼	88	31 - 120	6	24
2,4,5-Trichlorophenol	ND		2040	1930		ug/Kg	☼	95	46 - 120	1	18
2,4,6-Trichlorophenol	ND		2040	1940		ug/Kg	☼	95	41 - 123	8	19
2,4-Dichlorophenol	ND		2040	1910		ug/Kg	☼	94	45 - 120	4	19
2,4-Dimethylphenol	ND		2040	1940		ug/Kg	☼	95	52 - 120	2	42
2,4-Dinitrophenol	ND		4070	ND		ug/Kg	☼	NC	41 - 146	NC	22
2,4-Dinitrotoluene	ND		2040	2060		ug/Kg	☼	101	63 - 125	6	20
2,6-Dinitrotoluene	ND		2040	2080		ug/Kg	☼	102	66 - 120	9	15
2-Chloronaphthalene	ND		2040	1990		ug/Kg	☼	98	57 - 120	6	21

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

Lab Sample ID: 480-191278-1 MSD
Matrix: Solid
Analysis Batch: 602015

Client Sample ID: TP-2-1
Prep Type: Total/NA
Prep Batch: 601807

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Chlorophenol	ND		2040	1740	J	ug/Kg	☼	86	43 - 120	1	25
2-Methylnaphthalene	ND		2040	1910		ug/Kg	☼	94	55 - 120	1	21
2-Methylphenol	ND		2040	1940		ug/Kg	☼	95	48 - 120	6	27
2-Nitroaniline	ND		2040	1960	J	ug/Kg	☼	96	61 - 120	5	15
2-Nitrophenol	ND		2040	1730		ug/Kg	☼	85	37 - 120	2	18
3,3'-Dichlorobenzidine	ND		4070	4000		ug/Kg	☼	98	37 - 126	6	25
3-Nitroaniline	ND		2040	1970	J	ug/Kg	☼	96	48 - 120	15	19
4,6-Dinitro-2-methylphenol	ND		4070	3570		ug/Kg	☼	88	23 - 149	1	15
4-Bromophenyl phenyl ether	ND		2040	2050		ug/Kg	☼	100	58 - 120	2	15
4-Chloro-3-methylphenol	ND		2040	2080		ug/Kg	☼	102	49 - 125	11	27
4-Chloroaniline	ND		2040	1690		ug/Kg	☼	83	38 - 120	10	22
4-Chlorophenyl phenyl ether	ND		2040	2150		ug/Kg	☼	106	63 - 124	3	16
4-Methylphenol	ND		2040	1910	J	ug/Kg	☼	94	50 - 120	3	24
4-Nitroaniline	ND		2040	2060		ug/Kg	☼	101	47 - 120	6	24
4-Nitrophenol	ND		4070	4030		ug/Kg	☼	99	31 - 147	12	25
Acenaphthene	ND		2040	2080		ug/Kg	☼	102	60 - 120	6	35
Acenaphthylene	ND		2040	2080		ug/Kg	☼	102	58 - 121	1	18
Acetophenone	ND		2040	1780		ug/Kg	☼	87	47 - 120	2	20
Anthracene	ND		2040	2160		ug/Kg	☼	106	62 - 120	2	15
Atrazine	ND		4070	4420		ug/Kg	☼	109	60 - 150	5	20
Benzaldehyde	ND		4070	3660		ug/Kg	☼	90	10 - 150	20	20
Benzo[a]anthracene	430	J	2040	2260		ug/Kg	☼	90	65 - 120	1	15
Benzo[a]pyrene	430	J	2040	2260		ug/Kg	☼	90	64 - 120	3	15
Benzo[b]fluoranthene	520	J	2040	2190		ug/Kg	☼	82	10 - 150	4	15
Benzo[g,h,i]perylene	250	J	2040	2230		ug/Kg	☼	97	45 - 145	2	15
Benzo[k]fluoranthene	280	J	2040	2400		ug/Kg	☼	104	23 - 150	8	22
Bis(2-chloroethoxy)methane	ND		2040	1900		ug/Kg	☼	93	52 - 120	7	17
Bis(2-chloroethyl)ether	ND		2040	1830		ug/Kg	☼	90	45 - 120	1	21
Bis(2-ethylhexyl) phthalate	ND		2040	2240		ug/Kg	☼	110	61 - 133	7	15
Butyl benzyl phthalate	ND		2040	2110		ug/Kg	☼	104	61 - 120	2	16
Caprolactam	ND		4070	4140		ug/Kg	☼	102	37 - 133	9	20
Carbazole	ND		2040	2220		ug/Kg	☼	109	59 - 120	5	20
Chrysene	470	J	2040	2360		ug/Kg	☼	93	64 - 120	5	15
Di-n-butyl phthalate	ND		2040	2180		ug/Kg	☼	107	58 - 130	2	15
Di-n-octyl phthalate	ND		2040	2220		ug/Kg	☼	109	57 - 133	5	16
Dibenz(a,h)anthracene	ND		2040	2160		ug/Kg	☼	106	54 - 132	3	15
Dibenzofuran	ND		2040	2100		ug/Kg	☼	103	62 - 120	3	15
Diethyl phthalate	ND		2040	2170		ug/Kg	☼	106	66 - 120	7	15
Dimethyl phthalate	ND		2040	2110		ug/Kg	☼	104	65 - 124	3	15
Fluoranthene	910	J	2040	2400		ug/Kg	☼	73	62 - 120	2	15
Fluorene	ND		2040	2150		ug/Kg	☼	106	63 - 120	6	15
Hexachlorobenzene	ND		2040	2150		ug/Kg	☼	106	60 - 120	5	15
Hexachlorobutadiene	ND		2040	1850		ug/Kg	☼	91	45 - 120	8	44
Hexachlorocyclopentadiene	ND		2040	1680		ug/Kg	☼	82	31 - 120	1	49
Hexachloroethane	ND		2040	1670		ug/Kg	☼	82	21 - 120	11	46
Indeno[1,2,3-cd]pyrene	240	J	2040	2200		ug/Kg	☼	96	56 - 134	4	15
Isophorone	ND		2040	1950		ug/Kg	☼	96	56 - 120	4	17
N-Nitrosodi-n-propylamine	ND		2040	1860		ug/Kg	☼	91	46 - 120	3	31
Naphthalene	ND		2040	1870		ug/Kg	☼	92	46 - 120	5	29

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

Lab Sample ID: 480-191278-1 MSD
Matrix: Solid
Analysis Batch: 602015

Client Sample ID: TP-2-1
Prep Type: Total/NA
Prep Batch: 601807

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrobenzene	ND		2040	1790		ug/Kg	☼	88	49 - 120	2	24
Pentachlorophenol	ND		4070	3150		ug/Kg	☼	77	25 - 136	6	35
Phenanthrene	570	J	2040	2300		ug/Kg	☼	85	60 - 122	5	15
Phenol	ND		2040	1880		ug/Kg	☼	92	50 - 120	3	35
Pyrene	750	J	2040	2320		ug/Kg	☼	77	61 - 133	0	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*95*		*54 - 120*
2-Fluorobiphenyl	*102*		*60 - 120*
2-Fluorophenol	*85*		*52 - 120*
Nitrobenzene-d5	*90*		*53 - 120*
p-Terphenyl-d14	*107*		*79 - 130*
Phenol-d5	*90*		*54 - 120*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-601979/1-A
Matrix: Solid
Analysis Batch: 602171

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 601979

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.32	ug/Kg		10/26/21 07:57	10/27/21 10:35	1
4,4'-DDE	ND		1.7	0.35	ug/Kg		10/26/21 07:57	10/27/21 10:35	1
4,4'-DDT	ND		1.7	0.39	ug/Kg		10/26/21 07:57	10/27/21 10:35	1
Aldrin	ND		1.7	0.41	ug/Kg		10/26/21 07:57	10/27/21 10:35	1
alpha-BHC	ND		1.7	0.30	ug/Kg		10/26/21 07:57	10/27/21 10:35	1
cis-Chlordane	ND		1.7	0.83	ug/Kg		10/26/21 07:57	10/27/21 10:35	1
beta-BHC	2.41		1.7	0.30	ug/Kg		10/26/21 07:57	10/27/21 10:35	1
delta-BHC	ND		1.7	0.31	ug/Kg		10/26/21 07:57	10/27/21 10:35	1
Dieldrin	ND		1.7	0.40	ug/Kg		10/26/21 07:57	10/27/21 10:35	1
Endosulfan I	ND		1.7	0.32	ug/Kg		10/26/21 07:57	10/27/21 10:35	1
Endosulfan II	ND		1.7	0.30	ug/Kg		10/26/21 07:57	10/27/21 10:35	1
Endosulfan sulfate	ND		1.7	0.31	ug/Kg		10/26/21 07:57	10/27/21 10:35	1
Endrin	ND		1.7	0.33	ug/Kg		10/26/21 07:57	10/27/21 10:35	1
Endrin aldehyde	ND		1.7	0.43	ug/Kg		10/26/21 07:57	10/27/21 10:35	1
Endrin ketone	ND		1.7	0.41	ug/Kg		10/26/21 07:57	10/27/21 10:35	1
gamma-BHC (Lindane)	ND		1.7	0.31	ug/Kg		10/26/21 07:57	10/27/21 10:35	1
trans-Chlordane	ND		1.7	0.53	ug/Kg		10/26/21 07:57	10/27/21 10:35	1
Heptachlor	ND		1.7	0.36	ug/Kg		10/26/21 07:57	10/27/21 10:35	1
Heptachlor epoxide	ND		1.7	0.43	ug/Kg		10/26/21 07:57	10/27/21 10:35	1
Methoxychlor	ND		1.7	0.34	ug/Kg		10/26/21 07:57	10/27/21 10:35	1
Toxaphene	ND		17	9.7	ug/Kg		10/26/21 07:57	10/27/21 10:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*101*		*45 - 120*	*10/26/21 07:57*	*10/27/21 10:35*	*1*
Tetrachloro-m-xylene	*78*		*30 - 124*	*10/26/21 07:57*	*10/27/21 10:35*	*1*

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

Lab Sample ID: LCS 480-601979/2-A
Matrix: Solid
Analysis Batch: 602171

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 601979

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	16.6	13.9		ug/Kg		83	56 - 120
4,4'-DDE	16.6	12.8		ug/Kg		77	44 - 120
4,4'-DDT	16.6	13.1		ug/Kg		79	38 - 120
Aldrin	16.6	12.1		ug/Kg		73	38 - 120
alpha-BHC	16.6	11.1		ug/Kg		67	39 - 120
cis-Chlordane	16.6	11.9		ug/Kg		71	47 - 120
beta-BHC	16.6	13.2		ug/Kg		79	40 - 120
delta-BHC	16.6	13.0		ug/Kg		78	45 - 120
Dieldrin	16.6	14.8		ug/Kg		89	58 - 120
Endosulfan I	16.6	14.6		ug/Kg		88	49 - 120
Endosulfan II	16.6	12.8		ug/Kg		77	55 - 120
Endosulfan sulfate	16.6	15.0		ug/Kg		90	49 - 124
Endrin	16.6	14.2		ug/Kg		85	58 - 120
Endrin aldehyde	16.6	10.5		ug/Kg		63	37 - 121
Endrin ketone	16.6	16.7		ug/Kg		100	46 - 123
gamma-BHC (Lindane)	16.6	12.6		ug/Kg		75	50 - 120
trans-Chlordane	16.6	19.7		ug/Kg		119	48 - 120
Heptachlor	16.6	13.4		ug/Kg		81	50 - 120
Heptachlor epoxide	16.6	13.9		ug/Kg		84	50 - 120
Methoxychlor	16.6	12.1		ug/Kg		73	58 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*94*		*45 - 120*
Tetrachloro-m-xylene	*72*		*30 - 124*

Lab Sample ID: 480-191278-3 MS
Matrix: Solid
Analysis Batch: 602171

Client Sample ID: TP-6-1
Prep Type: Total/NA
Prep Batch: 601979

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	ND		19.5	19.8		ug/Kg	☼	102	37 - 126
4,4'-DDE	ND		19.5	18.9	J	ug/Kg	☼	97	34 - 120
4,4'-DDT	ND		19.5	19.3		ug/Kg	☼	99	43 - 123
Aldrin	ND		19.5	17.2	J	ug/Kg	☼	89	37 - 125
alpha-BHC	ND		19.5	16.8	J	ug/Kg	☼	86	39 - 120
cis-Chlordane	ND		19.5	18.6	J	ug/Kg	☼	96	35 - 120
beta-BHC	ND		19.5	17.9	J	ug/Kg	☼	92	36 - 120
delta-BHC	ND		19.5	18.1	J	ug/Kg	☼	93	34 - 120
Dieldrin	ND		19.5	19.7		ug/Kg	☼	101	45 - 120
Endosulfan I	ND		19.5	19.3		ug/Kg	☼	99	39 - 120
Endosulfan II	ND		19.5	19.4		ug/Kg	☼	100	34 - 126
Endosulfan sulfate	ND		19.5	22.2		ug/Kg	☼	114	27 - 130
Endrin	ND		19.5	19.6		ug/Kg	☼	101	47 - 121
Endrin aldehyde	ND		19.5	15.8	J	ug/Kg	☼	81	33 - 123
Endrin ketone	ND		19.5	19.1		ug/Kg	☼	98	43 - 126
gamma-BHC (Lindane)	ND		19.5	18.5	J	ug/Kg	☼	95	50 - 120
trans-Chlordane	8.0	J	19.5	22.9		ug/Kg	☼	77	31 - 120
Heptachlor	ND		19.5	18.4	J	ug/Kg	☼	95	42 - 120

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

Lab Sample ID: 480-191278-3 MS
Matrix: Solid
Analysis Batch: 602171

Client Sample ID: TP-6-1
Prep Type: Total/NA
Prep Batch: 601979

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Heptachlor epoxide	ND		19.5	18.1	J	ug/Kg	☼	93	40 - 120
Methoxychlor	ND		19.5	17.3	J	ug/Kg	☼	89	44 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*160*	*S1+*	*45 - 120*
Tetrachloro-m-xylene	*113*		*30 - 124*

Lab Sample ID: 480-191278-3 MSD
Matrix: Solid
Analysis Batch: 602171

Client Sample ID: TP-6-1
Prep Type: Total/NA
Prep Batch: 601979

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	ND		19.8	19.9	J	ug/Kg	☼	101	37 - 126	1	21
4,4'-DDE	ND		19.8	18.1	J	ug/Kg	☼	92	34 - 120	4	18
4,4'-DDT	ND		19.8	20.1		ug/Kg	☼	101	43 - 123	4	25
Aldrin	ND		19.8	16.8	J	ug/Kg	☼	85	37 - 125	3	12
alpha-BHC	ND		19.8	16.1	J	ug/Kg	☼	81	39 - 120	4	15
cis-Chlordane	ND		19.8	18.1	J	ug/Kg	☼	92	35 - 120	3	23
beta-BHC	ND		19.8	16.4	J	ug/Kg	☼	83	36 - 120	9	19
delta-BHC	ND		19.8	18.0	J	ug/Kg	☼	91	34 - 120	0	14
Dieldrin	ND		19.8	19.6	J	ug/Kg	☼	99	45 - 120	0	12
Endosulfan I	ND		19.8	18.7	J	ug/Kg	☼	95	39 - 120	3	18
Endosulfan II	ND		19.8	20.0		ug/Kg	☼	101	34 - 126	3	26
Endosulfan sulfate	ND		19.8	21.8		ug/Kg	☼	110	27 - 130	2	35
Endrin	ND		19.8	19.3	J	ug/Kg	☼	98	47 - 121	1	20
Endrin aldehyde	ND		19.8	15.5	J	ug/Kg	☼	78	33 - 123	2	47
Endrin ketone	ND		19.8	19.0	J	ug/Kg	☼	96	43 - 126	0	37
gamma-BHC (Lindane)	ND		19.8	17.3	J	ug/Kg	☼	87	50 - 120	7	12
trans-Chlordane	8.0	J	19.8	22.8		ug/Kg	☼	75	31 - 120	0	15
Heptachlor	ND		19.8	18.1	J	ug/Kg	☼	91	42 - 120	2	22
Heptachlor epoxide	ND		19.8	17.7	J	ug/Kg	☼	90	40 - 120	2	15
Methoxychlor	ND		19.8	19.1	J	ug/Kg	☼	96	44 - 150	10	24

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*97*		*45 - 120*
Tetrachloro-m-xylene	*108*		*30 - 124*

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

Lab Sample ID: MB 480-601796/1-A
Matrix: Solid
Analysis Batch: 601892

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 601796

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.18	0.036	mg/Kg		10/25/21 07:07	10/25/21 21:36	1
PCB-1221	ND		0.18	0.036	mg/Kg		10/25/21 07:07	10/25/21 21:36	1
PCB-1232	ND		0.18	0.036	mg/Kg		10/25/21 07:07	10/25/21 21:36	1
PCB-1242	ND		0.18	0.036	mg/Kg		10/25/21 07:07	10/25/21 21:36	1

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

Lab Sample ID: MB 480-601796/1-A
Matrix: Solid
Analysis Batch: 601892

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 601796

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248	ND		0.18	0.036	mg/Kg		10/25/21 07:07	10/25/21 21:36	1
PCB-1254	ND		0.18	0.086	mg/Kg		10/25/21 07:07	10/25/21 21:36	1
PCB-1260	ND		0.18	0.086	mg/Kg		10/25/21 07:07	10/25/21 21:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*107*		*60 - 154*	*10/25/21 07:07*	*10/25/21 21:36*	*1*
DCB Decachlorobiphenyl	*115*		*65 - 174*	*10/25/21 07:07*	*10/25/21 21:36*	*1*

Lab Sample ID: LCS 480-601796/2-A
Matrix: Solid
Analysis Batch: 601892

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 601796

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			1.85	2.40		mg/Kg		130	51 - 185		
PCB-1260			1.85	2.58		mg/Kg		140	61 - 184		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*135*		*60 - 154*
DCB Decachlorobiphenyl	*142*		*65 - 174*

Lab Sample ID: 480-191278-1 MS
Matrix: Solid
Analysis Batch: 601892

Client Sample ID: TP-2-1
Prep Type: Total/NA
Prep Batch: 601796

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016	ND		2.50	2.97		mg/Kg	☼	119	50 - 177		
PCB-1260	ND		2.50	3.08		mg/Kg	☼	123	33 - 200		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*127*		*60 - 154*
DCB Decachlorobiphenyl	*137*		*65 - 174*

Lab Sample ID: 480-191278-1 MSD
Matrix: Solid
Analysis Batch: 601892

Client Sample ID: TP-2-1
Prep Type: Total/NA
Prep Batch: 601796

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		2.83	3.54		mg/Kg	☼	125	50 - 177	18	50
PCB-1260	ND		2.83	3.88		mg/Kg	☼	137	33 - 200	23	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*132*		*60 - 154*
DCB Decachlorobiphenyl	*144*		*65 - 174*

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 460-810026/1-A
Matrix: Solid
Analysis Batch: 810653

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 810026

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		33	7.1	ug/Kg		10/28/21 22:21	11/01/21 13:16	1
2,4,5-T	ND		33	7.1	ug/Kg		10/28/21 22:21	11/01/21 13:16	1
Silvex (2,4,5-TP)	ND		33	3.5	ug/Kg		10/28/21 22:21	11/01/21 13:16	1
Silvex (2,4,5-TP)	ND		33	3.5	ug/Kg		10/28/21 22:21	11/01/21 13:16	1
2,4-D	ND		33	12	ug/Kg		10/28/21 22:21	11/01/21 13:16	1
2,4-D	ND		33	12	ug/Kg		10/28/21 22:21	11/01/21 13:16	1
Dichlorprop	ND		33	9.8	ug/Kg		10/28/21 22:21	11/01/21 13:16	1
Dichlorprop	ND		33	9.8	ug/Kg		10/28/21 22:21	11/01/21 13:16	1
Pentachlorophenol	ND		8.3	2.9	ug/Kg		10/28/21 22:21	11/01/21 13:16	1
Pentachlorophenol	ND		8.3	2.9	ug/Kg		10/28/21 22:21	11/01/21 13:16	1
Picloram	ND		8.3	7.3	ug/Kg		10/28/21 22:21	11/01/21 13:16	1
Picloram	ND		8.3	7.3	ug/Kg		10/28/21 22:21	11/01/21 13:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*112*		*65 - 150*	*10/28/21 22:21*	*11/01/21 13:16*	*1*
2,4-Dichlorophenylacetic acid	*107*		*65 - 150*	*10/28/21 22:21*	*11/01/21 13:16*	*1*

Lab Sample ID: LCS 460-810026/2-A
Matrix: Solid
Analysis Batch: 810653

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 810026

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,4,5-T			8.33	11.7	J	ug/Kg		140	59 - 150		
2,4,5-T			8.33	10.8	J	ug/Kg		129	59 - 150		
Silvex (2,4,5-TP)			8.33	11.4	J	ug/Kg		137	58 - 150		
Silvex (2,4,5-TP)			8.33	12.3	J	ug/Kg		148	58 - 150		
2,4-D			33.3	46.4	*+	ug/Kg		139	50 - 130		
2,4-D			33.3	44.3	*+	ug/Kg		133	50 - 130		
Dichlorprop			33.3	41.6		ug/Kg		125	38 - 146		
Dichlorprop			33.3	42.3		ug/Kg		127	38 - 146		
Pentachlorophenol			8.33	9.06		ug/Kg		109	49 - 117		
Pentachlorophenol			8.33	8.45		ug/Kg		101	49 - 117		
Picloram			33.3	33.1		ug/Kg		99	22 - 108		
Picloram			33.3	33.9		ug/Kg		102	22 - 108		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*122*		*65 - 150*
2,4-Dichlorophenylacetic acid	*118*		*65 - 150*

Lab Sample ID: LCSD 460-810026/3-A
Matrix: Solid
Analysis Batch: 810653

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 810026

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-T			8.33	10.6	J	ug/Kg		128	59 - 150	9	30
2,4,5-T			8.33	9.89	J	ug/Kg		119	59 - 150	8	30
Silvex (2,4,5-TP)			8.33	10.6	J	ug/Kg		127	58 - 150	8	30
Silvex (2,4,5-TP)			8.33	11.7	J	ug/Kg		140	58 - 150	5	30

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

Lab Sample ID: LCSD 460-810026/3-A
Matrix: Solid
Analysis Batch: 810653

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 810026

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-D			33.3	41.9		ug/Kg		126	50 - 130	10	30
2,4-D			33.3	41.5		ug/Kg		124	50 - 130	6	30
Dichlorprop			33.3	39.3		ug/Kg		118	38 - 146	6	30
Dichlorprop			33.3	39.6		ug/Kg		119	38 - 146	7	30
Pentachlorophenol			8.33	8.71		ug/Kg		104	49 - 117	4	30
Pentachlorophenol			8.33	7.93	J	ug/Kg		95	49 - 117	6	30
Picloram			33.3	30.8		ug/Kg		92	22 - 108	7	30
Picloram			33.3	31.7		ug/Kg		95	22 - 108	7	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*113*		*65 - 150*
2,4-Dichlorophenylacetic acid	*109*		*65 - 150*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-601859/1-A
Matrix: Solid
Analysis Batch: 602425

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 601859

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		9.6	4.2	mg/Kg		10/26/21 18:15	10/27/21 23:39	1
Antimony	ND		14.3	0.38	mg/Kg		10/26/21 18:15	10/27/21 23:39	1
Arsenic	ND		1.9	0.38	mg/Kg		10/26/21 18:15	10/27/21 23:39	1
Barium	ND		0.48	0.11	mg/Kg		10/26/21 18:15	10/27/21 23:39	1
Beryllium	ND		0.19	0.027	mg/Kg		10/26/21 18:15	10/27/21 23:39	1
Cadmium	ND		0.19	0.029	mg/Kg		10/26/21 18:15	10/27/21 23:39	1
Calcium	ND		47.8	3.2	mg/Kg		10/26/21 18:15	10/27/21 23:39	1
Chromium	ND		0.48	0.19	mg/Kg		10/26/21 18:15	10/27/21 23:39	1
Cobalt	ND		0.48	0.048	mg/Kg		10/26/21 18:15	10/27/21 23:39	1
Copper	ND		0.96	0.20	mg/Kg		10/26/21 18:15	10/27/21 23:39	1
Iron	ND		9.6	3.3	mg/Kg		10/26/21 18:15	10/27/21 23:39	1
Lead	ND		0.96	0.23	mg/Kg		10/26/21 18:15	10/27/21 23:39	1
Magnesium	ND		19.1	0.89	mg/Kg		10/26/21 18:15	10/27/21 23:39	1
Manganese	0.0650	J	0.19	0.031	mg/Kg		10/26/21 18:15	10/27/21 23:39	1
Nickel	ND		4.8	0.22	mg/Kg		10/26/21 18:15	10/27/21 23:39	1
Potassium	ND		28.7	19.1	mg/Kg		10/26/21 18:15	10/27/21 23:39	1
Selenium	ND		3.8	0.38	mg/Kg		10/26/21 18:15	10/27/21 23:39	1
Silver	ND		0.57	0.19	mg/Kg		10/26/21 18:15	10/27/21 23:39	1
Sodium	ND		134	12.4	mg/Kg		10/26/21 18:15	10/27/21 23:39	1
Thallium	ND		5.7	0.29	mg/Kg		10/26/21 18:15	10/27/21 23:39	1
Vanadium	ND		0.48	0.11	mg/Kg		10/26/21 18:15	10/27/21 23:39	1
Zinc	ND		1.9	0.61	mg/Kg		10/26/21 18:15	10/27/21 23:39	1

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

Lab Sample ID: LCSSRM 480-601859/2-A
Matrix: Solid
Analysis Batch: 602425

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 601859

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	8130	8472		mg/Kg		104.2	49.9 - 150.1
Antimony	134	94.10		mg/Kg		70.2	19.3 - 250.0
Arsenic	156	140.5		mg/Kg		90.1	69.9 - 130.1
Barium	239	204.6		mg/Kg		85.6	74.9 - 124.7
Beryllium	169	144.8		mg/Kg		85.7	75.1 - 125.4
Cadmium	137	116.9		mg/Kg		85.3	75.2 - 124.8
Calcium	4760	4107		mg/Kg		86.3	72.7 - 127.5
Chromium	154	127.0		mg/Kg		82.4	70.1 - 129.9
Cobalt	121	115.8		mg/Kg		95.7	75.0 - 124.8
Copper	54.9	45.69		mg/Kg		83.2	74.9 - 125.0
Iron	14100	12730		mg/Kg		90.3	34.9 - 164.5
Lead	130	126.7		mg/Kg		97.4	71.8 - 128.5
Magnesium	2320	2071		mg/Kg		89.3	62.1 - 137.9
Manganese	269	228.8		mg/Kg		85.1	74.0 - 126.4
Nickel	58.7	50.25		mg/Kg		85.6	64.2 - 119.3
Potassium	2020	1919		mg/Kg		95.0	58.9 - 141.1
Selenium	167	142.2		mg/Kg		85.1	67.7 - 132.3
Silver	33.6	28.05		mg/Kg		83.5	68.5 - 131.3
Sodium	133	146.3		mg/Kg		110.0	35.0 - 165.4
Thallium	112	109.4		mg/Kg		97.6	67.9 - 131.3
Vanadium	62.6	56.57		mg/Kg		90.4	59.1 - 141.1
Zinc	158	135.6		mg/Kg		85.8	70.3 - 129.7

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-601946/1-A
Matrix: Solid
Analysis Batch: 602139

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 601946

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.017	0.0040	mg/Kg		10/26/21 17:19	10/26/21 19:06	1

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

Lab Sample ID: LCSSRM 480-601946/2-A ^10
Matrix: Solid
Analysis Batch: 602139

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 601946

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			27.2	18.38		mg/Kg		67.6	59.9 - 140.1		

GC/MS VOA

Prep Batch: 601953

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-191278-1	TP-2-1	Total/NA	Solid	5035A_L	
480-191278-2	TP-4-2	Total/NA	Solid	5035A_L	
480-191278-3	TP-6-1	Total/NA	Solid	5035A_L	
480-191278-4	TP-9-1	Total/NA	Solid	5035A_L	
480-191278-5	TP-10-1	Total/NA	Solid	5035A_L	
480-191278-6	TP-11-1	Total/NA	Solid	5035A_L	
480-191278-7	TP-12-2	Total/NA	Solid	5035A_L	
480-191278-8	TP-13-7	Total/NA	Solid	5035A_L	
480-191278-9	TP-5-1	Total/NA	Solid	5035A_L	
480-191278-10	TP-7-1	Total/NA	Solid	5035A_L	
MB 480-601953/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-601953/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

Analysis Batch: 601955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-191278-1	TP-2-1	Total/NA	Solid	8260C	601953
480-191278-2	TP-4-2	Total/NA	Solid	8260C	601953
480-191278-3	TP-6-1	Total/NA	Solid	8260C	601953
480-191278-4	TP-9-1	Total/NA	Solid	8260C	601953
480-191278-5	TP-10-1	Total/NA	Solid	8260C	601953
480-191278-6	TP-11-1	Total/NA	Solid	8260C	601953
480-191278-7	TP-12-2	Total/NA	Solid	8260C	601953
480-191278-8	TP-13-7	Total/NA	Solid	8260C	601953
480-191278-9	TP-5-1	Total/NA	Solid	8260C	601953
480-191278-10	TP-7-1	Total/NA	Solid	8260C	601953
MB 480-601953/2-A	Method Blank	Total/NA	Solid	8260C	601953
LCS 480-601953/1-A	Lab Control Sample	Total/NA	Solid	8260C	601953

GC/MS Semi VOA

Prep Batch: 601807

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-191278-1	TP-2-1	Total/NA	Solid	3550C	
480-191278-2	TP-4-2	Total/NA	Solid	3550C	
480-191278-3	TP-6-1	Total/NA	Solid	3550C	
480-191278-4	TP-9-1	Total/NA	Solid	3550C	
480-191278-5	TP-10-1	Total/NA	Solid	3550C	
480-191278-6	TP-11-1	Total/NA	Solid	3550C	
480-191278-7	TP-12-2	Total/NA	Solid	3550C	
480-191278-8	TP-13-7	Total/NA	Solid	3550C	
480-191278-9	TP-5-1	Total/NA	Solid	3550C	
480-191278-10	TP-7-1	Total/NA	Solid	3550C	
MB 480-601807/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-601807/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-191278-1 MS	TP-2-1	Total/NA	Solid	3550C	
480-191278-1 MSD	TP-2-1	Total/NA	Solid	3550C	

Analysis Batch: 602015

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-191278-1	TP-2-1	Total/NA	Solid	8270D	601807
480-191278-2	TP-4-2	Total/NA	Solid	8270D	601807

GC/MS Semi VOA (Continued)

Analysis Batch: 602015 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-191278-3	TP-6-1	Total/NA	Solid	8270D	601807
480-191278-4	TP-9-1	Total/NA	Solid	8270D	601807
480-191278-5	TP-10-1	Total/NA	Solid	8270D	601807
480-191278-6	TP-11-1	Total/NA	Solid	8270D	601807
480-191278-7	TP-12-2	Total/NA	Solid	8270D	601807
480-191278-8	TP-13-7	Total/NA	Solid	8270D	601807
MB 480-601807/1-A	Method Blank	Total/NA	Solid	8270D	601807
LCS 480-601807/2-A	Lab Control Sample	Total/NA	Solid	8270D	601807
480-191278-1 MS	TP-2-1	Total/NA	Solid	8270D	601807
480-191278-1 MSD	TP-2-1	Total/NA	Solid	8270D	601807

Analysis Batch: 602393

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-191278-9	TP-5-1	Total/NA	Solid	8270D	601807
480-191278-10	TP-7-1	Total/NA	Solid	8270D	601807

GC Semi VOA

Prep Batch: 601796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-191278-1	TP-2-1	Total/NA	Solid	3550C	
480-191278-2	TP-4-2	Total/NA	Solid	3550C	
480-191278-3	TP-6-1	Total/NA	Solid	3550C	
480-191278-5	TP-10-1	Total/NA	Solid	3550C	
480-191278-7	TP-12-2	Total/NA	Solid	3550C	
MB 480-601796/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-601796/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-191278-1 MS	TP-2-1	Total/NA	Solid	3550C	
480-191278-1 MSD	TP-2-1	Total/NA	Solid	3550C	

Analysis Batch: 601892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-191278-1	TP-2-1	Total/NA	Solid	8082A	601796
480-191278-2	TP-4-2	Total/NA	Solid	8082A	601796
480-191278-3	TP-6-1	Total/NA	Solid	8082A	601796
480-191278-5	TP-10-1	Total/NA	Solid	8082A	601796
480-191278-7	TP-12-2	Total/NA	Solid	8082A	601796
MB 480-601796/1-A	Method Blank	Total/NA	Solid	8082A	601796
LCS 480-601796/2-A	Lab Control Sample	Total/NA	Solid	8082A	601796
480-191278-1 MS	TP-2-1	Total/NA	Solid	8082A	601796
480-191278-1 MSD	TP-2-1	Total/NA	Solid	8082A	601796

Prep Batch: 601979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-191278-1	TP-2-1	Total/NA	Solid	3550C	
480-191278-2	TP-4-2	Total/NA	Solid	3550C	
480-191278-3	TP-6-1	Total/NA	Solid	3550C	
480-191278-5	TP-10-1	Total/NA	Solid	3550C	
480-191278-7	TP-12-2	Total/NA	Solid	3550C	
MB 480-601979/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-601979/2-A	Lab Control Sample	Total/NA	Solid	3550C	

GC Semi VOA (Continued)

Prep Batch: 601979 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-191278-3 MS	TP-6-1	Total/NA	Solid	3550C	
480-191278-3 MSD	TP-6-1	Total/NA	Solid	3550C	

Analysis Batch: 602171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-191278-1	TP-2-1	Total/NA	Solid	8081B	601979
480-191278-2	TP-4-2	Total/NA	Solid	8081B	601979
480-191278-3	TP-6-1	Total/NA	Solid	8081B	601979
480-191278-5	TP-10-1	Total/NA	Solid	8081B	601979
480-191278-7	TP-12-2	Total/NA	Solid	8081B	601979
MB 480-601979/1-A	Method Blank	Total/NA	Solid	8081B	601979
LCS 480-601979/2-A	Lab Control Sample	Total/NA	Solid	8081B	601979
480-191278-3 MS	TP-6-1	Total/NA	Solid	8081B	601979
480-191278-3 MSD	TP-6-1	Total/NA	Solid	8081B	601979

Prep Batch: 810026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-191278-1	TP-2-1	Total/NA	Solid	8151A	
480-191278-2	TP-4-2	Total/NA	Solid	8151A	
480-191278-3	TP-6-1	Total/NA	Solid	8151A	
480-191278-5	TP-10-1	Total/NA	Solid	8151A	
480-191278-7	TP-12-2	Total/NA	Solid	8151A	
MB 460-810026/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 460-810026/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 460-810026/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	

Analysis Batch: 810653

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-191278-1	TP-2-1	Total/NA	Solid	8151A	810026
480-191278-2	TP-4-2	Total/NA	Solid	8151A	810026
480-191278-3	TP-6-1	Total/NA	Solid	8151A	810026
480-191278-5	TP-10-1	Total/NA	Solid	8151A	810026
480-191278-7	TP-12-2	Total/NA	Solid	8151A	810026
MB 460-810026/1-A	Method Blank	Total/NA	Solid	8151A	810026
LCS 460-810026/2-A	Lab Control Sample	Total/NA	Solid	8151A	810026
LCSD 460-810026/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	810026

Metals

Prep Batch: 601859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-191278-1	TP-2-1	Total/NA	Solid	3050B	
480-191278-2	TP-4-2	Total/NA	Solid	3050B	
480-191278-3	TP-6-1	Total/NA	Solid	3050B	
480-191278-4	TP-9-1	Total/NA	Solid	3050B	
480-191278-5	TP-10-1	Total/NA	Solid	3050B	
480-191278-6	TP-11-1	Total/NA	Solid	3050B	
480-191278-7	TP-12-2	Total/NA	Solid	3050B	
480-191278-8	TP-13-7	Total/NA	Solid	3050B	
480-191278-9	TP-5-1	Total/NA	Solid	3050B	
480-191278-10	TP-7-1	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 601859 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-601859/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-601859/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 601946

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-191278-1	TP-2-1	Total/NA	Solid	7471B	
480-191278-2	TP-4-2	Total/NA	Solid	7471B	
480-191278-3	TP-6-1	Total/NA	Solid	7471B	
480-191278-4	TP-9-1	Total/NA	Solid	7471B	
480-191278-5	TP-10-1	Total/NA	Solid	7471B	
480-191278-6	TP-11-1	Total/NA	Solid	7471B	
480-191278-7	TP-12-2	Total/NA	Solid	7471B	
480-191278-8	TP-13-7	Total/NA	Solid	7471B	
480-191278-9	TP-5-1	Total/NA	Solid	7471B	
480-191278-10	TP-7-1	Total/NA	Solid	7471B	
MB 480-601946/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-601946/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 602139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-191278-1	TP-2-1	Total/NA	Solid	7471B	601946
480-191278-2	TP-4-2	Total/NA	Solid	7471B	601946
480-191278-3	TP-6-1	Total/NA	Solid	7471B	601946
480-191278-4	TP-9-1	Total/NA	Solid	7471B	601946
480-191278-5	TP-10-1	Total/NA	Solid	7471B	601946
480-191278-6	TP-11-1	Total/NA	Solid	7471B	601946
480-191278-7	TP-12-2	Total/NA	Solid	7471B	601946
480-191278-8	TP-13-7	Total/NA	Solid	7471B	601946
480-191278-9	TP-5-1	Total/NA	Solid	7471B	601946
480-191278-10	TP-7-1	Total/NA	Solid	7471B	601946
MB 480-601946/1-A	Method Blank	Total/NA	Solid	7471B	601946
LCSSRM 480-601946/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	601946

Analysis Batch: 602425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-191278-1	TP-2-1	Total/NA	Solid	6010C	601859
480-191278-2	TP-4-2	Total/NA	Solid	6010C	601859
480-191278-3	TP-6-1	Total/NA	Solid	6010C	601859
480-191278-4	TP-9-1	Total/NA	Solid	6010C	601859
480-191278-5	TP-10-1	Total/NA	Solid	6010C	601859
480-191278-6	TP-11-1	Total/NA	Solid	6010C	601859
480-191278-7	TP-12-2	Total/NA	Solid	6010C	601859
480-191278-8	TP-13-7	Total/NA	Solid	6010C	601859
480-191278-9	TP-5-1	Total/NA	Solid	6010C	601859
480-191278-10	TP-7-1	Total/NA	Solid	6010C	601859
MB 480-601859/1-A	Method Blank	Total/NA	Solid	6010C	601859
LCSSRM 480-601859/2-A	Lab Control Sample	Total/NA	Solid	6010C	601859

Analysis Batch: 603032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-191278-1	TP-2-1	Total/NA	Solid	6010C	601859

Metals (Continued)

Analysis Batch: 603032 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-191278-2	TP-4-2	Total/NA	Solid	6010C	601859
480-191278-2	TP-4-2	Total/NA	Solid	6010C	601859
480-191278-3	TP-6-1	Total/NA	Solid	6010C	601859
480-191278-4	TP-9-1	Total/NA	Solid	6010C	601859
480-191278-5	TP-10-1	Total/NA	Solid	6010C	601859
480-191278-6	TP-11-1	Total/NA	Solid	6010C	601859
480-191278-7	TP-12-2	Total/NA	Solid	6010C	601859
480-191278-8	TP-13-7	Total/NA	Solid	6010C	601859
480-191278-9	TP-5-1	Total/NA	Solid	6010C	601859
480-191278-10	TP-7-1	Total/NA	Solid	6010C	601859

General Chemistry

Analysis Batch: 601704

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-191278-1	TP-2-1	Total/NA	Solid	Moisture	
480-191278-2	TP-4-2	Total/NA	Solid	Moisture	
480-191278-3	TP-6-1	Total/NA	Solid	Moisture	
480-191278-4	TP-9-1	Total/NA	Solid	Moisture	
480-191278-5	TP-10-1	Total/NA	Solid	Moisture	
480-191278-6	TP-11-1	Total/NA	Solid	Moisture	
480-191278-7	TP-12-2	Total/NA	Solid	Moisture	
480-191278-8	TP-13-7	Total/NA	Solid	Moisture	
480-191278-9	TP-5-1	Total/NA	Solid	Moisture	
480-191278-10	TP-7-1	Total/NA	Solid	Moisture	

Lab Chronicle

Client: AECC
Project/Site: UMC - Widewaters

Job ID: 480-191278-1

Client Sample ID: TP-2-1
Date Collected: 10/21/21 11:50
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	601704	10/22/21 22:13	CLA	TAL BUF

Client Sample ID: TP-2-1
Date Collected: 10/21/21 11:50
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-1
Matrix: Solid
Percent Solids: 81.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			601953	10/22/21 11:00	CDC	TAL BUF
Total/NA	Analysis	8260C		1	601955	10/25/21 20:12	CDC	TAL BUF
Total/NA	Prep	3550C			601807	10/25/21 08:26	VXF	TAL BUF
Total/NA	Analysis	8270D		5	602015	10/26/21 23:37	JMM	TAL BUF
Total/NA	Prep	3550C			601979	10/26/21 07:57	VXF	TAL BUF
Total/NA	Analysis	8081B		5	602171	10/27/21 12:13	JLS	TAL BUF
Total/NA	Prep	3550C			601796	10/25/21 07:07	SMP	TAL BUF
Total/NA	Analysis	8082A		1	601892	10/25/21 22:27	DSC	TAL BUF
Total/NA	Prep	8151A			810026	10/28/21 22:21	AFR	TAL EDI
Total/NA	Analysis	8151A		1	810653	11/01/21 17:43	SAK	TAL EDI
Total/NA	Prep	3050B			601859	10/26/21 18:15	ADM	TAL BUF
Total/NA	Analysis	6010C		1	602425	10/28/21 00:52	LMH	TAL BUF
Total/NA	Prep	3050B			601859	10/26/21 18:15	ADM	TAL BUF
Total/NA	Analysis	6010C		1	603032	11/01/21 17:16	LMH	TAL BUF
Total/NA	Prep	7471B			601946	10/26/21 17:19	BMB	TAL BUF
Total/NA	Analysis	7471B		1	602139	10/26/21 19:23	BMB	TAL BUF

Client Sample ID: TP-4-2
Date Collected: 10/21/21 12:25
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	601704	10/22/21 22:13	CLA	TAL BUF

Client Sample ID: TP-4-2
Date Collected: 10/21/21 12:25
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-2
Matrix: Solid
Percent Solids: 87.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			601953	10/22/21 11:00	CDC	TAL BUF
Total/NA	Analysis	8260C		1	601955	10/25/21 20:36	CDC	TAL BUF
Total/NA	Prep	3550C			601807	10/25/21 08:26	VXF	TAL BUF
Total/NA	Analysis	8270D		5	602015	10/27/21 00:01	JMM	TAL BUF
Total/NA	Prep	3550C			601979	10/26/21 07:57	VXF	TAL BUF
Total/NA	Analysis	8081B		5	602171	10/27/21 12:33	JLS	TAL BUF
Total/NA	Prep	3550C			601796	10/25/21 07:07	SMP	TAL BUF
Total/NA	Analysis	8082A		1	601892	10/25/21 22:40	DSC	TAL BUF

Lab Chronicle

Client: AECC
Project/Site: UMC - Widewaters

Job ID: 480-191278-1

Client Sample ID: TP-4-2

Lab Sample ID: 480-191278-2

Date Collected: 10/21/21 12:25
Matrix: Solid
Date Received: 10/22/21 08:00
Percent Solids: 87.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			810026	10/28/21 22:21	AFR	TAL EDI
Total/NA	Analysis	8151A		1	810653	11/01/21 17:56	SAK	TAL EDI
Total/NA	Prep	3050B			601859	10/26/21 18:15	ADM	TAL BUF
Total/NA	Analysis	6010C		1	602425	10/28/21 01:07	LMH	TAL BUF
Total/NA	Prep	3050B			601859	10/26/21 18:15	ADM	TAL BUF
Total/NA	Analysis	6010C		1	603032	11/01/21 17:32	LMH	TAL BUF
Total/NA	Prep	3050B			601859	10/26/21 18:15	ADM	TAL BUF
Total/NA	Analysis	6010C		2	603032	11/01/21 17:35	LMH	TAL BUF
Total/NA	Prep	7471B			601946	10/26/21 17:19	BMB	TAL BUF
Total/NA	Analysis	7471B		1	602139	10/26/21 19:24	BMB	TAL BUF

Client Sample ID: TP-6-1

Lab Sample ID: 480-191278-3

Date Collected: 10/21/21 12:46
Matrix: Solid
Date Received: 10/22/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	601704	10/22/21 22:13	CLA	TAL BUF

Client Sample ID: TP-6-1

Lab Sample ID: 480-191278-3

Date Collected: 10/21/21 12:46
Matrix: Solid
Date Received: 10/22/21 08:00
Percent Solids: 83.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			601953	10/22/21 11:00	CDC	TAL BUF
Total/NA	Analysis	8260C		1	601955	10/25/21 21:01	CDC	TAL BUF
Total/NA	Prep	3550C			601807	10/25/21 08:26	VXF	TAL BUF
Total/NA	Analysis	8270D		10	602015	10/27/21 00:26	JMM	TAL BUF
Total/NA	Prep	3550C			601979	10/26/21 07:57	VXF	TAL BUF
Total/NA	Analysis	8081B		10	602171	10/27/21 11:53	JLS	TAL BUF
Total/NA	Prep	3550C			601796	10/25/21 07:07	SMP	TAL BUF
Total/NA	Analysis	8082A		1	601892	10/25/21 22:53	DSC	TAL BUF
Total/NA	Prep	8151A			810026	10/28/21 22:21	AFR	TAL EDI
Total/NA	Analysis	8151A		1	810653	11/01/21 18:10	SAK	TAL EDI
Total/NA	Prep	3050B			601859	10/26/21 18:15	ADM	TAL BUF
Total/NA	Analysis	6010C		1	602425	10/28/21 01:11	LMH	TAL BUF
Total/NA	Prep	3050B			601859	10/26/21 18:15	ADM	TAL BUF
Total/NA	Analysis	6010C		1	603032	11/01/21 17:39	LMH	TAL BUF
Total/NA	Prep	7471B			601946	10/26/21 17:19	BMB	TAL BUF
Total/NA	Analysis	7471B		1	602139	10/26/21 19:25	BMB	TAL BUF

Client Sample ID: TP-9-1
Date Collected: 10/21/21 13:58
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	601704	10/22/21 22:13	CLA	TAL BUF

Client Sample ID: TP-9-1
Date Collected: 10/21/21 13:58
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-4
Matrix: Solid
Percent Solids: 82.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			601953	10/22/21 11:00	CDC	TAL BUF
Total/NA	Analysis	8260C		1	601955	10/25/21 21:26	CDC	TAL BUF
Total/NA	Prep	3550C			601807	10/25/21 08:26	VXF	TAL BUF
Total/NA	Analysis	8270D		5	602015	10/27/21 00:50	JMM	TAL BUF
Total/NA	Prep	3050B			601859	10/26/21 18:15	ADM	TAL BUF
Total/NA	Analysis	6010C		1	602425	10/28/21 01:15	LMH	TAL BUF
Total/NA	Prep	3050B			601859	10/26/21 18:15	ADM	TAL BUF
Total/NA	Analysis	6010C		1	603032	11/01/21 17:43	LMH	TAL BUF
Total/NA	Prep	7471B			601946	10/26/21 17:19	BMB	TAL BUF
Total/NA	Analysis	7471B		1	602139	10/26/21 19:29	BMB	TAL BUF

Client Sample ID: TP-10-1
Date Collected: 10/21/21 14:40
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	601704	10/22/21 22:13	CLA	TAL BUF

Client Sample ID: TP-10-1
Date Collected: 10/21/21 14:40
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-5
Matrix: Solid
Percent Solids: 76.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			601953	10/22/21 11:00	CDC	TAL BUF
Total/NA	Analysis	8260C		1	601955	10/25/21 21:51	CDC	TAL BUF
Total/NA	Prep	3550C			601807	10/25/21 08:26	VXF	TAL BUF
Total/NA	Analysis	8270D		5	602015	10/27/21 01:14	JMM	TAL BUF
Total/NA	Prep	3550C			601979	10/26/21 07:57	VXF	TAL BUF
Total/NA	Analysis	8081B		1	602171	10/27/21 12:52	JLS	TAL BUF
Total/NA	Prep	3550C			601796	10/25/21 07:07	SMP	TAL BUF
Total/NA	Analysis	8082A		1	601892	10/25/21 23:05	DSC	TAL BUF
Total/NA	Prep	8151A			810026	10/28/21 22:21	AFR	TAL EDI
Total/NA	Analysis	8151A		1	810653	11/01/21 18:23	SAK	TAL EDI
Total/NA	Prep	3050B			601859	10/26/21 18:15	ADM	TAL BUF
Total/NA	Analysis	6010C		1	602425	10/28/21 01:19	LMH	TAL BUF
Total/NA	Prep	3050B			601859	10/26/21 18:15	ADM	TAL BUF
Total/NA	Analysis	6010C		1	603032	11/01/21 17:47	LMH	TAL BUF

Client Sample ID: TP-10-1
Date Collected: 10/21/21 14:40
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-5
Matrix: Solid
Percent Solids: 76.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			601946	10/26/21 17:19	BMB	TAL BUF
Total/NA	Analysis	7471B		1	602139	10/26/21 19:31	BMB	TAL BUF

Client Sample ID: TP-11-1
Date Collected: 10/21/21 15:00
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	601704	10/22/21 22:13	CLA	TAL BUF

Client Sample ID: TP-11-1
Date Collected: 10/21/21 15:00
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-6
Matrix: Solid
Percent Solids: 85.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			601953	10/22/21 11:00	CDC	TAL BUF
Total/NA	Analysis	8260C		1	601955	10/25/21 22:16	CDC	TAL BUF
Total/NA	Prep	3550C			601807	10/25/21 08:26	VXF	TAL BUF
Total/NA	Analysis	8270D		5	602015	10/27/21 01:38	JMM	TAL BUF
Total/NA	Prep	3050B			601859	10/26/21 18:15	ADM	TAL BUF
Total/NA	Analysis	6010C		1	602425	10/28/21 01:23	LMH	TAL BUF
Total/NA	Prep	3050B			601859	10/26/21 18:15	ADM	TAL BUF
Total/NA	Analysis	6010C		1	603032	11/01/21 17:51	LMH	TAL BUF
Total/NA	Prep	7471B			601946	10/26/21 17:19	BMB	TAL BUF
Total/NA	Analysis	7471B		1	602139	10/26/21 19:32	BMB	TAL BUF

Client Sample ID: TP-12-2
Date Collected: 10/21/21 15:30
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	601704	10/22/21 22:13	CLA	TAL BUF

Client Sample ID: TP-12-2
Date Collected: 10/21/21 15:30
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-7
Matrix: Solid
Percent Solids: 88.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			601953	10/22/21 11:00	CDC	TAL BUF
Total/NA	Analysis	8260C		1	601955	10/25/21 22:41	CDC	TAL BUF
Total/NA	Prep	3550C			601807	10/25/21 08:26	VXF	TAL BUF
Total/NA	Analysis	8270D		1	602015	10/27/21 02:02	JMM	TAL BUF
Total/NA	Prep	3550C			601979	10/26/21 07:57	VXF	TAL BUF
Total/NA	Analysis	8081B		1	602171	10/27/21 13:12	JLS	TAL BUF
Total/NA	Prep	3550C			601796	10/25/21 07:07	SMP	TAL BUF
Total/NA	Analysis	8082A		1	601892	10/25/21 23:18	DSC	TAL BUF

Client Sample ID: TP-12-2
Date Collected: 10/21/21 15:30
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-7
Matrix: Solid
Percent Solids: 88.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			810026	10/28/21 22:21	AFR	TAL EDI
Total/NA	Analysis	8151A		1	810653	11/01/21 18:37	SAK	TAL EDI
Total/NA	Prep	3050B			601859	10/26/21 18:15	ADM	TAL BUF
Total/NA	Analysis	6010C		1	602425	10/28/21 01:26	LMH	TAL BUF
Total/NA	Prep	3050B			601859	10/26/21 18:15	ADM	TAL BUF
Total/NA	Analysis	6010C		1	603032	11/01/21 17:55	LMH	TAL BUF
Total/NA	Prep	7471B			601946	10/26/21 17:19	BMB	TAL BUF
Total/NA	Analysis	7471B		1	602139	10/26/21 19:33	BMB	TAL BUF

Client Sample ID: TP-13-7
Date Collected: 10/21/21 15:40
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	601704	10/22/21 22:13	CLA	TAL BUF

Client Sample ID: TP-13-7
Date Collected: 10/21/21 15:40
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-8
Matrix: Solid
Percent Solids: 62.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			601953	10/22/21 11:00	CDC	TAL BUF
Total/NA	Analysis	8260C		1	601955	10/25/21 23:05	CDC	TAL BUF
Total/NA	Prep	3550C			601807	10/25/21 08:26	VXF	TAL BUF
Total/NA	Analysis	8270D		1	602015	10/27/21 02:26	JMM	TAL BUF
Total/NA	Prep	3050B			601859	10/26/21 18:15	ADM	TAL BUF
Total/NA	Analysis	6010C		1	602425	10/28/21 01:30	LMH	TAL BUF
Total/NA	Prep	3050B			601859	10/26/21 18:15	ADM	TAL BUF
Total/NA	Analysis	6010C		1	603032	11/01/21 17:59	LMH	TAL BUF
Total/NA	Prep	7471B			601946	10/26/21 17:19	BMB	TAL BUF
Total/NA	Analysis	7471B		1	602139	10/26/21 19:35	BMB	TAL BUF

Client Sample ID: TP-5-1
Date Collected: 10/21/21 16:00
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	601704	10/22/21 22:13	CLA	TAL BUF

Client Sample ID: TP-5-1
Date Collected: 10/21/21 16:00
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-9
Matrix: Solid
Percent Solids: 70.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			601953	10/22/21 11:00	CDC	TAL BUF
Total/NA	Analysis	8260C		1	601955	10/25/21 23:29	CDC	TAL BUF

Lab Chronicle

Client: AECC
Project/Site: UMC - Widewaters

Job ID: 480-191278-1

Client Sample ID: TP-5-1
Date Collected: 10/21/21 16:00
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-9
Matrix: Solid
Percent Solids: 70.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			601807	10/25/21 08:26	VXF	TAL BUF
Total/NA	Analysis	8270D		5	602393	10/28/21 18:48	JMM	TAL BUF
Total/NA	Prep	3050B			601859	10/26/21 18:15	ADM	TAL BUF
Total/NA	Analysis	6010C		1	602425	10/28/21 01:34	LMH	TAL BUF
Total/NA	Prep	3050B			601859	10/26/21 18:15	ADM	TAL BUF
Total/NA	Analysis	6010C		1	603032	11/01/21 18:03	LMH	TAL BUF
Total/NA	Prep	7471B			601946	10/26/21 17:19	BMB	TAL BUF
Total/NA	Analysis	7471B		1	602139	10/26/21 19:36	BMB	TAL BUF

Client Sample ID: TP-7-1
Date Collected: 10/21/21 16:15
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	601704	10/22/21 22:13	CLA	TAL BUF

Client Sample ID: TP-7-1
Date Collected: 10/21/21 16:15
Date Received: 10/22/21 08:00

Lab Sample ID: 480-191278-10
Matrix: Solid
Percent Solids: 77.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			601953	10/22/21 11:00	CDC	TAL BUF
Total/NA	Analysis	8260C		1	601955	10/25/21 23:54	CDC	TAL BUF
Total/NA	Prep	3550C			601807	10/25/21 08:26	VXF	TAL BUF
Total/NA	Analysis	8270D		5	602393	10/28/21 19:12	JMM	TAL BUF
Total/NA	Prep	3050B			601859	10/26/21 18:15	ADM	TAL BUF
Total/NA	Analysis	6010C		1	602425	10/28/21 01:38	LMH	TAL BUF
Total/NA	Prep	3050B			601859	10/26/21 18:15	ADM	TAL BUF
Total/NA	Analysis	6010C		1	603032	11/01/21 18:19	LMH	TAL BUF
Total/NA	Prep	7471B			601946	10/26/21 17:19	BMB	TAL BUF
Total/NA	Analysis	7471B		1	602139	10/26/21 19:37	BMB	TAL BUF

Laboratory References:

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

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: AECC
Job ID: 480-191278-1
Project/Site: UMC - Widewaters

Laboratory: Eurofins TestAmerica, 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	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins TestAmerica, Edison

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0200	09-30-22
DE Haz. Subst. Cleanup Act (HSCA)	State	N/A	12-31-21
Georgia	State	12028 (NJ)	06-30-22
Massachusetts	State	M-NJ312	06-30-22
New Jersey	NELAP	12028	06-30-22
New York	NELAP	11452	04-01-22
Pennsylvania	NELAP	68-00522	02-28-22
Rhode Island	State	LAO00132	12-30-21
USDA	US Federal Programs	P330-20-00244	11-03-23

Method Summary

Client: AECC
Project/Site: UMC - Widewaters

Job ID: 480-191278-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
8151A	Herbicides (GC)	SW846	TAL EDI
6010C	Metals (ICP)	SW846	TAL BUF
7471B	Mercury (CVAA)	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
3050B	Preparation, Metals	SW846	TAL BUF
3550C	Ultrasonic Extraction	SW846	TAL BUF
5035A_L	Closed System Purge and Trap	SW846	TAL BUF
7471B	Preparation, Mercury	SW846	TAL BUF
8151A	Extraction (Herbicides)	SW846	TAL EDI

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:

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

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: AECC
Project/Site: UMC - Widewaters

Job ID: 480-191278-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-191278-1	TP-2-1	Solid	10/21/21 11:50	10/22/21 08:00
480-191278-2	TP-4-2	Solid	10/21/21 12:25	10/22/21 08:00
480-191278-3	TP-6-1	Solid	10/21/21 12:46	10/22/21 08:00
480-191278-4	TP-9-1	Solid	10/21/21 13:58	10/22/21 08:00
480-191278-5	TP-10-1	Solid	10/21/21 14:40	10/22/21 08:00
480-191278-6	TP-11-1	Solid	10/21/21 15:00	10/22/21 08:00
480-191278-7	TP-12-2	Solid	10/21/21 15:30	10/22/21 08:00
480-191278-8	TP-13-7	Solid	10/21/21 15:40	10/22/21 08:00
480-191278-9	TP-5-1	Solid	10/21/21 16:00	10/22/21 08:00
480-191278-10	TP-7-1	Solid	10/21/21 16:15	10/22/21 08:00

Quantitation Limit Exceptions Summary

Client: AECC
Job ID: 480-191278-1
Project/Site: UMC - Widewaters

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
8151A	2,4,5-T	Solid	Total/NA	ug/Kg	33	33.3
8151A	2,4-D	Solid	Total/NA	ug/Kg	33	33.3
8151A	Dichlorprop	Solid	Total/NA	ug/Kg	33	33.3
8151A	Silvex (2,4,5-TP)	Solid	Total/NA	ug/Kg	33	33.3

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228
Phone: 716.691.2600 Fax: 716.691.7991

Syracuse #225

Chain of Custody Record

306586

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: R. McKenna	Site Contact:	Date: 10/21/21	COC No:
Company Name: ABCL	Tel/Fax:	Lab Contact: B. Fuller	Carrier:	1 of 1 COCs
Address: 6398 FLY RD	Analysis Turnaround Time			Sampler:
City/State/Zip: E. Syracuse, NY 13057	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 315 432-9400	TAT if different from Below			Walk-in Client:
Fax: 9405	~~X~~ 2 weeks			Lab Sampling:
Project Name: UMC	☐ 1 week			
Site: WOODSWASTE/S	☐ 2 days			Job / SDG No.:
PO # 21-130	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	8260C VOC	TCL SVOC 8270D	8082A - PCB	Herbicides	Organochlorine Pest	TAL METALS
TP-2-1	10/21/21	11:50	G	S	6			X	X	X	X	X	X
TP-4-2	10/21/21	1225	G	S	6			X	X	X	X	X	X
TP-6-1	10/21/21	1216	G	S	6			X	X	X	X	X	X
TP-9-1	10/21/21	1358	G	S	5			X	X	X			X
TP-10-1	10/21/21	1440	G	S	6			X	X	X	X	X	X
TP-11-1	10/21/21	1500	G	S	5			X	X				X
TP-12-2	10/21/21	1530	G	S	6			X	X	X	X	X	X
TP-13-7	10/21/21	1540	G	S	5			X	X				X
TP-5-1	10/21/21	1600	G	S	6			X	X				X
TP-~~12~~ 7-1	10/21/21	1615	G	S	5			X	X				X

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Specific Notes:

480-191278 Chain of Custody

SHORT HOLD

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

3.5 #1

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____

	Company	Date/Time		Company	Date/Time
Relinquished by:	ABCL	10/21/21 1715	Received by: R. Englerth	Syra	10.21.21 1715
Relinquished by:	Syra	10-21-21 1900	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: TAB	Date/Time: 10/22/21 800

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11/5/2021

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-67344.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Brian.Fischer@Eurofinset.com	State of Origin: New York	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - New York		Job #: 480-191278-1
Address: 777 New Durham Road, ,	Due Date Requested: 11/4/2021			
City: Edison	TAT Requested (days):			
State, Zip: NJ, 08817				
Phone: 732-549-3900(Tel) 732-549-3679(Fax)	PO #:			
Email:	WO #:			
Project Name: UMC - Widewaters	Project #: 48024487			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8151A/8151A_SP (MOD) Local Method	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
TP-2-1 (480-191278-1)	10/21/21	11:50 Eastern		Solid			X	1	
TP-4-2 (480-191278-2)	10/21/21	12:25 Eastern		Solid			X	1	
TP-6-1 (480-191278-3)	10/21/21	12:46 Eastern		Solid			X	1	
TP-10-1 (480-191278-5)	10/21/21	14:40 Eastern		Solid			X	1	
TP-12-2 (480-191278-7)	10/21/21	15:30 Eastern		Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[illegible]	10/26/21 1700	FA	[illegible]/ViaFedEx	10/27/21 10:00	ETA
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: ID#9 - 0.9 = 0.4

Ver: 06/08/2021

11/5/2021

Login Sample Receipt Checklist

Client: AECC

Job Number: 480-191278-1

Login Number: 191278
List Number: 1
Creator: Stopa, Erik S

List Source: Eurofins TestAmerica, 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	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	AECC
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: AECC

Job Number: 480-191278-1

Login Number: 191278
List Number: 2
Creator: Armbruster, Chris

List Source: Eurofins TestAmerica, Edison
List Creation: 10/27/21 11:56 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.4°C IR9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	