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ANALYTICAL REPORT

PREPARED FOR

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Generated 3/14/2024 5:31:46 PM

JOB DESCRIPTION

273 Hickory (Sampling at 227 Pratt)

JOB NUMBER

480-217561-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

myEOL

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Job Notes

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Authorization

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Table of Contents

Definitions/Glossary

Client: Brydges Engineering in Environment & Energy DPC
Job ID: 480-217561-1
Project/Site: 273 Hickory (Sampling at 227 Pratt)

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Job ID: 480-217561-1 Eurofins Buffalo

Job Narrative
480-217561-1

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

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

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

Receipt
The samples were received on 3/7/2024 4:45 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 14.4°C.

GC/MS Semi VOA
Method 8270D: The following samples were diluted due to color, appearance, and viscosity: SS-1 (0-1.5) (480-217561-1) and SS-2 (0-1.5) (480-217561-2). Elevated reporting limits (RL) are provided.

Method 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: SS-2 (0-1.5) (480-217561-2). These results have been reported and qualified.

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

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

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

Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Job ID: 480-217561-1
Project/Site: 273 Hickory (Sampling at 227 Pratt)

Client Sample ID: SS-1 (0-1.5)
Lab Sample ID: 480-217561-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	950	J	2300	340	ug/Kg	10	☼	8270D	Total/NA
Anthracene	2300		2300	570	ug/Kg	10	☼	8270D	Total/NA
Benzo[a]anthracene	7700		2300	230	ug/Kg	10	☼	8270D	Total/NA
Benzo[a]pyrene	7700		2300	340	ug/Kg	10	☼	8270D	Total/NA
Benzo[b]fluoranthene	9800		2300	370	ug/Kg	10	☼	8270D	Total/NA
Benzo[g,h,i]perylene	2700		2300	240	ug/Kg	10	☼	8270D	Total/NA
Benzo[k]fluoranthene	4200		2300	300	ug/Kg	10	☼	8270D	Total/NA
Chrysene	7900		2300	520	ug/Kg	10	☼	8270D	Total/NA
Dibenz(a,h)anthracene	990	J	2300	410	ug/Kg	10	☼	8270D	Total/NA
Dibenzofuran	460	J	2300	270	ug/Kg	10	☼	8270D	Total/NA
Fluoranthene	19000		2300	240	ug/Kg	10	☼	8270D	Total/NA
Fluorene	790	J	2300	270	ug/Kg	10	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	3000		2300	280	ug/Kg	10	☼	8270D	Total/NA
Phenanthrene	11000		2300	340	ug/Kg	10	☼	8270D	Total/NA
Pyrene	13000		2300	270	ug/Kg	10	☼	8270D	Total/NA
Arsenic	7.1		2.8	0.57	mg/Kg	1	☼	6010C	Total/NA
Barium	154		0.71	0.16	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.82		0.28	0.040	mg/Kg	1	☼	6010C	Total/NA
Cadmium	1.0		0.28	0.043	mg/Kg	1	☼	6010C	Total/NA
Chromium	39.4	B	0.71	0.28	mg/Kg	1	☼	6010C	Total/NA
Copper	50.7	B	1.4	0.30	mg/Kg	1	☼	6010C	Total/NA
Lead	488		1.4	0.34	mg/Kg	1	☼	6010C	Total/NA
Manganese	621	B	0.28	0.045	mg/Kg	1	☼	6010C	Total/NA
Nickel	24.9		7.1	0.33	mg/Kg	1	☼	6010C	Total/NA
Selenium	1.5	J	5.7	0.57	mg/Kg	1	☼	6010C	Total/NA
Silver	0.56	J	0.85	0.28	mg/Kg	1	☼	6010C	Total/NA
Zinc	585		2.8	0.91	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.29		0.028	0.0065	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SS-2 (0-1.5)
Lab Sample ID: 480-217561-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	1100		1100	110	ug/Kg	5	☼	8270D	Total/NA
Benzo[a]pyrene	1100		1100	170	ug/Kg	5	☼	8270D	Total/NA
Benzo[b]fluoranthene	1600		1100	180	ug/Kg	5	☼	8270D	Total/NA
Benzo[g,h,i]perylene	350	J	1100	120	ug/Kg	5	☼	8270D	Total/NA
Benzo[k]fluoranthene	570	J	1100	150	ug/Kg	5	☼	8270D	Total/NA
Chrysene	1300		1100	250	ug/Kg	5	☼	8270D	Total/NA
Fluoranthene	2700		1100	120	ug/Kg	5	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	390	J	1100	140	ug/Kg	5	☼	8270D	Total/NA
Phenanthrene	1600		1100	170	ug/Kg	5	☼	8270D	Total/NA
Pyrene	1700		1100	130	ug/Kg	5	☼	8270D	Total/NA
Arsenic	7.5		2.6	0.53	mg/Kg	1	☼	6010C	Total/NA
Barium	132		0.66	0.15	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.60		0.26	0.037	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.85		0.26	0.040	mg/Kg	1	☼	6010C	Total/NA
Chromium	20.3	B	0.66	0.26	mg/Kg	1	☼	6010C	Total/NA
Copper	31.5	B	1.3	0.28	mg/Kg	1	☼	6010C	Total/NA
Lead	363		1.3	0.32	mg/Kg	1	☼	6010C	Total/NA
Manganese	384	B	0.26	0.042	mg/Kg	1	☼	6010C	Total/NA
Nickel	22.1		6.6	0.30	mg/Kg	1	☼	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

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Client Sample ID: SS-2 (0-1.5) (Continued)
Lab Sample ID: 480-217561-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Selenium	0.74	J	5.3	0.53	mg/Kg	1	☼	6010C	Total/NA
Silver	0.29	J	0.79	0.26	mg/Kg	1	☼	6010C	Total/NA
Zinc	189		2.6	0.85	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.47	F1 F2	0.028	0.0064	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SS-1 (0-1.5)
Lab Sample ID: 480-217561-1
Date Collected: 03/06/24 13:15
Matrix: Solid
Date Received: 03/07/24 16:45
Percent Solids: 73.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1400	U	1400	750	ug/Kg	☼	03/08/24 10:34	03/11/24 15:57	10
2-Methylphenol	2300	U	2300	270	ug/Kg	☼	03/08/24 10:34	03/11/24 15:57	10
3-Methylphenol	4500	U	4500	350	ug/Kg	☼	03/08/24 10:34	03/11/24 15:57	10
4-Methylphenol	4500	U	4500	270	ug/Kg	☼	03/08/24 10:34	03/11/24 15:57	10
Acenaphthene	**950**	**J**	2300	340	ug/Kg	☼	03/08/24 10:34	03/11/24 15:57	10
Acenaphthylene	2300	U	2300	300	ug/Kg	☼	03/08/24 10:34	03/11/24 15:57	10
Anthracene	**2300**		2300	570	ug/Kg	☼	03/08/24 10:34	03/11/24 15:57	10
Benzo[a]anthracene	**7700**		2300	230	ug/Kg	☼	03/08/24 10:34	03/11/24 15:57	10
Benzo[a]pyrene	**7700**		2300	340	ug/Kg	☼	03/08/24 10:34	03/11/24 15:57	10
Benzo[b]fluoranthene	**9800**		2300	370	ug/Kg	☼	03/08/24 10:34	03/11/24 15:57	10
Benzo[g,h,i]perylene	**2700**		2300	240	ug/Kg	☼	03/08/24 10:34	03/11/24 15:57	10
Benzo[k]fluoranthene	**4200**		2300	300	ug/Kg	☼	03/08/24 10:34	03/11/24 15:57	10
Chrysene	**7900**		2300	520	ug/Kg	☼	03/08/24 10:34	03/11/24 15:57	10
Dibenz(a,h)anthracene	**990**	**J**	2300	410	ug/Kg	☼	03/08/24 10:34	03/11/24 15:57	10
Dibenzofuran	**460**	**J**	2300	270	ug/Kg	☼	03/08/24 10:34	03/11/24 15:57	10
Fluoranthene	**19000**		2300	240	ug/Kg	☼	03/08/24 10:34	03/11/24 15:57	10
Fluorene	**790**	**J**	2300	270	ug/Kg	☼	03/08/24 10:34	03/11/24 15:57	10
Hexachlorobenzene	2300	U	2300	310	ug/Kg	☼	03/08/24 10:34	03/11/24 15:57	10
Indeno[1,2,3-cd]pyrene	**3000**		2300	280	ug/Kg	☼	03/08/24 10:34	03/11/24 15:57	10
Naphthalene	2300	U	2300	300	ug/Kg	☼	03/08/24 10:34	03/11/24 15:57	10
Pentachlorophenol	4500	U	4500	2300	ug/Kg	☼	03/08/24 10:34	03/11/24 15:57	10
Phenanthrene	**11000**		2300	340	ug/Kg	☼	03/08/24 10:34	03/11/24 15:57	10
Phenol	2300	U	2300	350	ug/Kg	☼	03/08/24 10:34	03/11/24 15:57	10
Pyrene	**13000**		2300	270	ug/Kg	☼	03/08/24 10:34	03/11/24 15:57	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*85*		*54 - 120*	*03/08/24 10:34*	*03/11/24 15:57*	*10*
2-Fluorobiphenyl (Surr)	*87*		*60 - 120*	*03/08/24 10:34*	*03/11/24 15:57*	*10*
2-Fluorophenol (Surr)	*85*		*52 - 120*	*03/08/24 10:34*	*03/11/24 15:57*	*10*
Nitrobenzene-d5 (Surr)	*81*		*53 - 120*	*03/08/24 10:34*	*03/11/24 15:57*	*10*
Phenol-d5 (Surr)	*79*		*54 - 120*	*03/08/24 10:34*	*03/11/24 15:57*	*10*
p-Terphenyl-d14 (Surr)	*80*		*79 - 130*	*03/08/24 10:34*	*03/11/24 15:57*	*10*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**7.1**		2.8	0.57	mg/Kg	☼	03/07/24 15:33	03/09/24 01:47	1
Barium	**154**		0.71	0.16	mg/Kg	☼	03/07/24 15:33	03/09/24 01:47	1
Beryllium	**0.82**		0.28	0.040	mg/Kg	☼	03/07/24 15:33	03/09/24 01:47	1
Cadmium	**1.0**		0.28	0.043	mg/Kg	☼	03/07/24 15:33	03/09/24 01:47	1
Chromium	**39.4**	**B**	0.71	0.28	mg/Kg	☼	03/07/24 15:33	03/12/24 00:36	1
Copper	**50.7**	**B**	1.4	0.30	mg/Kg	☼	03/07/24 15:33	03/09/24 01:47	1
Lead	**488**		1.4	0.34	mg/Kg	☼	03/07/24 15:33	03/13/24 19:06	1
Manganese	**621**	**B**	0.28	0.045	mg/Kg	☼	03/07/24 15:33	03/09/24 01:47	1
Nickel	**24.9**		7.1	0.33	mg/Kg	☼	03/07/24 15:33	03/13/24 19:06	1
Selenium	**1.5**	**J**	5.7	0.57	mg/Kg	☼	03/07/24 15:33	03/09/24 01:47	1
Silver	**0.56**	**J**	0.85	0.28	mg/Kg	☼	03/07/24 15:33	03/12/24 18:13	1
Zinc	**585**		2.8	0.91	mg/Kg	☼	03/07/24 15:33	03/12/24 00:36	1

Client Sample ID: SS-1 (0-1.5)
Lab Sample ID: 480-217561-1

Date Collected: 03/06/24 13:15
Matrix: Solid
Date Received: 03/07/24 16:45
Percent Solids: 73.2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.29**		0.028	0.0065	mg/Kg	☼	03/08/24 11:38	03/08/24 15:02	1

Client Sample ID: SS-2 (0-1.5)
Lab Sample ID: 480-217561-2

Date Collected: 03/06/24 13:20
Matrix: Solid
Date Received: 03/07/24 16:45
Percent Solids: 73.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	670	U	670	370	ug/Kg	☼	03/08/24 10:34	03/11/24 16:22	5
2-Methylphenol	1100	U	1100	130	ug/Kg	☼	03/08/24 10:34	03/11/24 16:22	5
3-Methylphenol	2200	U	2200	170	ug/Kg	☼	03/08/24 10:34	03/11/24 16:22	5
4-Methylphenol	2200	U	2200	130	ug/Kg	☼	03/08/24 10:34	03/11/24 16:22	5
Acenaphthene	1100	U	1100	170	ug/Kg	☼	03/08/24 10:34	03/11/24 16:22	5
Acenaphthylene	1100	U	1100	150	ug/Kg	☼	03/08/24 10:34	03/11/24 16:22	5
Anthracene	1100	U	1100	280	ug/Kg	☼	03/08/24 10:34	03/11/24 16:22	5
Benzo[a]anthracene	**1100**		1100	110	ug/Kg	☼	03/08/24 10:34	03/11/24 16:22	5
Benzo[a]pyrene	**1100**		1100	170	ug/Kg	☼	03/08/24 10:34	03/11/24 16:22	5
Benzo[b]fluoranthene	**1600**		1100	180	ug/Kg	☼	03/08/24 10:34	03/11/24 16:22	5
Benzo[g,h,i]perylene	**350**	**J**	1100	120	ug/Kg	☼	03/08/24 10:34	03/11/24 16:22	5
Benzo[k]fluoranthene	**570**	**J**	1100	150	ug/Kg	☼	03/08/24 10:34	03/11/24 16:22	5
Chrysene	**1300**		1100	250	ug/Kg	☼	03/08/24 10:34	03/11/24 16:22	5
Dibenz(a,h)anthracene	1100	U	1100	200	ug/Kg	☼	03/08/24 10:34	03/11/24 16:22	5
Dibenzofuran	1100	U	1100	130	ug/Kg	☼	03/08/24 10:34	03/11/24 16:22	5
Fluoranthene	**2700**		1100	120	ug/Kg	☼	03/08/24 10:34	03/11/24 16:22	5
Fluorene	1100	U	1100	130	ug/Kg	☼	03/08/24 10:34	03/11/24 16:22	5
Hexachlorobenzene	1100	U	1100	150	ug/Kg	☼	03/08/24 10:34	03/11/24 16:22	5
Indeno[1,2,3-cd]pyrene	**390**	**J**	1100	140	ug/Kg	☼	03/08/24 10:34	03/11/24 16:22	5
Naphthalene	1100	U	1100	150	ug/Kg	☼	03/08/24 10:34	03/11/24 16:22	5
Pentachlorophenol	2200	U	2200	1100	ug/Kg	☼	03/08/24 10:34	03/11/24 16:22	5
Phenanthrene	**1600**		1100	170	ug/Kg	☼	03/08/24 10:34	03/11/24 16:22	5
Phenol	1100	U	1100	170	ug/Kg	☼	03/08/24 10:34	03/11/24 16:22	5
Pyrene	**1700**		1100	130	ug/Kg	☼	03/08/24 10:34	03/11/24 16:22	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*69*		*54 - 120*	*03/08/24 10:34*	*03/11/24 16:22*	*5*
2-Fluorobiphenyl (Surr)	*74*		*60 - 120*	*03/08/24 10:34*	*03/11/24 16:22*	*5*
2-Fluorophenol (Surr)	*77*		*52 - 120*	*03/08/24 10:34*	*03/11/24 16:22*	*5*
Nitrobenzene-d5 (Surr)	*73*		*53 - 120*	*03/08/24 10:34*	*03/11/24 16:22*	*5*
Phenol-d5 (Surr)	*73*		*54 - 120*	*03/08/24 10:34*	*03/11/24 16:22*	*5*
p-Terphenyl-d14 (Surr)	*67*	*S1-*	*79 - 130*	*03/08/24 10:34*	*03/11/24 16:22*	*5*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**7.5**		2.6	0.53	mg/Kg	☼	03/07/24 15:33	03/09/24 01:50	1
Barium	**132**		0.66	0.15	mg/Kg	☼	03/07/24 15:33	03/09/24 01:50	1
Beryllium	**0.60**		0.26	0.037	mg/Kg	☼	03/07/24 15:33	03/09/24 01:50	1
Cadmium	**0.85**		0.26	0.040	mg/Kg	☼	03/07/24 15:33	03/09/24 01:50	1
Chromium	**20.3**	**B**	0.66	0.26	mg/Kg	☼	03/07/24 15:33	03/13/24 15:36	1
Copper	**31.5**	**B**	1.3	0.28	mg/Kg	☼	03/07/24 15:33	03/09/24 01:50	1
Lead	**363**		1.3	0.32	mg/Kg	☼	03/07/24 15:33	03/13/24 19:09	1

Client: Brydges Engineering in Environment & Energy DPC
Job ID: 480-217561-1
Project/Site: 273 Hickory (Sampling at 227 Pratt)

Client Sample ID: SS-2 (0-1.5)
Lab Sample ID: 480-217561-2
Date Collected: 03/06/24 13:20
Matrix: Solid
Date Received: 03/07/24 16:45
Percent Solids: 73.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	384	B	0.26	0.042	mg/Kg	☼	03/07/24 15:33	03/09/24 01:50	1
Nickel	22.1		6.6	0.30	mg/Kg	☼	03/07/24 15:33	03/13/24 19:09	1
Selenium	0.74	J	5.3	0.53	mg/Kg	☼	03/07/24 15:33	03/09/24 01:50	1
Silver	0.29	J	0.79	0.26	mg/Kg	☼	03/07/24 15:33	03/12/24 18:16	1
Zinc	189		2.6	0.85	mg/Kg	☼	03/07/24 15:33	03/12/24 18:16	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.47	F1 F2	0.028	0.0064	mg/Kg	☼	03/08/24 11:38	03/08/24 15:03	1

Surrogate Summary

Client: Brydges Engineering in Environment & Energy DPC
Job ID: 480-217561-1
Project/Site: 273 Hickory (Sampling at 227 Pratt)

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

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

		Percent Surrogate Recovery (Acceptance Limits)							
		TBP	FBP	2FP	NBZ	PHL	TPHd14		
Lab Sample ID	Client Sample ID	(54-120)	(60-120)	(52-120)	(53-120)	(54-120)	(79-130)		
480-217561-1	SS-1 (0-1.5)	85	87	85	81	79	80		
480-217561-2	SS-2 (0-1.5)	69	74	77	73	73	67 S1-		
LCS 480-703057/2-A	Lab Control Sample	108	100	90	88	86	93		
MB 480-703057/1-A	Method Blank	87	89	85	78	86	93		

Surrogate Legend

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

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

Lab Sample ID: MB 480-703057/1-A
Matrix: Solid
Analysis Batch: 703225

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 703057

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	99	U	99	55	ug/Kg		03/08/24 10:34	03/11/24 13:50	1
2-Methylphenol	170	U	170	20	ug/Kg		03/08/24 10:34	03/11/24 13:50	1
3-Methylphenol	330	U	330	26	ug/Kg		03/08/24 10:34	03/11/24 13:50	1
4-Methylphenol	330	U	330	20	ug/Kg		03/08/24 10:34	03/11/24 13:50	1
Acenaphthene	170	U	170	25	ug/Kg		03/08/24 10:34	03/11/24 13:50	1
Acenaphthylene	170	U	170	22	ug/Kg		03/08/24 10:34	03/11/24 13:50	1
Anthracene	170	U	170	42	ug/Kg		03/08/24 10:34	03/11/24 13:50	1
Benzo[a]anthracene	170	U	170	17	ug/Kg		03/08/24 10:34	03/11/24 13:50	1
Benzo[a]pyrene	170	U	170	25	ug/Kg		03/08/24 10:34	03/11/24 13:50	1
Benzo[b]fluoranthene	170	U	170	27	ug/Kg		03/08/24 10:34	03/11/24 13:50	1
Benzo[g,h,i]perylene	170	U	170	18	ug/Kg		03/08/24 10:34	03/11/24 13:50	1
Benzo[k]fluoranthene	170	U	170	22	ug/Kg		03/08/24 10:34	03/11/24 13:50	1
Chrysene	170	U	170	38	ug/Kg		03/08/24 10:34	03/11/24 13:50	1
Dibenz(a,h)anthracene	170	U	170	30	ug/Kg		03/08/24 10:34	03/11/24 13:50	1
Dibenzofuran	170	U	170	20	ug/Kg		03/08/24 10:34	03/11/24 13:50	1
Fluoranthene	170	U	170	18	ug/Kg		03/08/24 10:34	03/11/24 13:50	1
Fluorene	170	U	170	20	ug/Kg		03/08/24 10:34	03/11/24 13:50	1
Hexachlorobenzene	170	U	170	23	ug/Kg		03/08/24 10:34	03/11/24 13:50	1
Indeno[1,2,3-cd]pyrene	170	U	170	21	ug/Kg		03/08/24 10:34	03/11/24 13:50	1
Naphthalene	170	U	170	22	ug/Kg		03/08/24 10:34	03/11/24 13:50	1
Pentachlorophenol	330	U	330	170	ug/Kg		03/08/24 10:34	03/11/24 13:50	1
Phenanthrene	170	U	170	25	ug/Kg		03/08/24 10:34	03/11/24 13:50	1
Phenol	170	U	170	26	ug/Kg		03/08/24 10:34	03/11/24 13:50	1
Pyrene	170	U	170	20	ug/Kg		03/08/24 10:34	03/11/24 13:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*87*		*54 - 120*	*03/08/24 10:34*	*03/11/24 13:50*	*1*
2-Fluorobiphenyl (Surr)	*89*		*60 - 120*	*03/08/24 10:34*	*03/11/24 13:50*	*1*
2-Fluorophenol (Surr)	*85*		*52 - 120*	*03/08/24 10:34*	*03/11/24 13:50*	*1*
Nitrobenzene-d5 (Surr)	*78*		*53 - 120*	*03/08/24 10:34*	*03/11/24 13:50*	*1*
Phenol-d5 (Surr)	*86*		*54 - 120*	*03/08/24 10:34*	*03/11/24 13:50*	*1*
p-Terphenyl-d14 (Surr)	*93*		*79 - 130*	*03/08/24 10:34*	*03/11/24 13:50*	*1*

Lab Sample ID: LCS 480-703057/2-A
Matrix: Solid
Analysis Batch: 703225

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 703057

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	1650	842		ug/Kg		51	23 - 120
2-Methylphenol	1650	1270		ug/Kg		77	54 - 120
3-Methylphenol	1650	1260		ug/Kg		76	55 - 120
4-Methylphenol	1650	1260		ug/Kg		76	55 - 120
Acenaphthene	1650	1500		ug/Kg		91	62 - 120
Acenaphthylene	1650	1370		ug/Kg		83	58 - 121
Anthracene	1650	1470		ug/Kg		89	62 - 120
Benzo[a]anthracene	1650	1530		ug/Kg		93	65 - 120
Benzo[a]pyrene	1650	1610		ug/Kg		97	64 - 120
Benzo[b]fluoranthene	1650	1630		ug/Kg		99	64 - 120

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

Lab Sample ID: LCS 480-703057/2-A
Matrix: Solid
Analysis Batch: 703225

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 703057

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[g,h,i]perylene	1650	1580		ug/Kg		96	45 - 145
Benzo[k]fluoranthene	1650	1430		ug/Kg		87	65 - 120
Chrysene	1650	1520		ug/Kg		92	64 - 120
Dibenz(a,h)anthracene	1650	1590		ug/Kg		96	54 - 132
Dibenzofuran	1650	1450		ug/Kg		87	63 - 120
Fluoranthene	1650	1450		ug/Kg		88	62 - 120
Fluorene	1650	1400		ug/Kg		85	63 - 120
Hexachlorobenzene	1650	1560		ug/Kg		94	60 - 120
Indeno[1,2,3-cd]pyrene	1650	1730		ug/Kg		105	56 - 134
Naphthalene	1650	1360		ug/Kg		83	55 - 120
Pentachlorophenol	3300	2060		ug/Kg		62	10 - 120
Phenanthrene	1650	1490		ug/Kg		90	60 - 120
Phenol	1650	1240		ug/Kg		75	53 - 120
Pyrene	1650	1460		ug/Kg		89	61 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*108*		*54 - 120*
2-Fluorobiphenyl (Surr)	*100*		*60 - 120*
2-Fluorophenol (Surr)	*90*		*52 - 120*
Nitrobenzene-d5 (Surr)	*88*		*53 - 120*
Phenol-d5 (Surr)	*86*		*54 - 120*
p-Terphenyl-d14 (Surr)	*93*		*79 - 130*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-702951/1-A
Matrix: Solid
Analysis Batch: 703233

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 702951

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.0	U	2.0	0.40	mg/Kg		03/07/24 15:33	03/09/24 00:08	1
Barium	0.50	U	0.50	0.11	mg/Kg		03/07/24 15:33	03/09/24 00:08	1
Beryllium	0.20	U	0.20	0.028	mg/Kg		03/07/24 15:33	03/09/24 00:08	1
Cadmium	0.20	U	0.20	0.030	mg/Kg		03/07/24 15:33	03/09/24 00:08	1
Copper	0.616	J	1.0	0.21	mg/Kg		03/07/24 15:33	03/09/24 00:08	1
Manganese	0.0782	J	0.20	0.032	mg/Kg		03/07/24 15:33	03/09/24 00:08	1
Selenium	4.0	U	4.0	0.40	mg/Kg		03/07/24 15:33	03/09/24 00:08	1

Lab Sample ID: MB 480-702951/1-A
Matrix: Solid
Analysis Batch: 703387

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 702951

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.214	J	0.50	0.20	mg/Kg		03/07/24 15:33	03/11/24 22:53	1
Zinc	2.0	U	2.0	0.64	mg/Kg		03/07/24 15:33	03/11/24 22:53	1

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

Lab Sample ID: MB 480-702951/1-A
Matrix: Solid
Analysis Batch: 703541

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 702951

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.60	U	0.60	0.20	mg/Kg		03/07/24 15:33	03/12/24 16:33	1

Lab Sample ID: MB 480-702951/1-A
Matrix: Solid
Analysis Batch: 703644

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 702951

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.0	U	1.0	0.24	mg/Kg		03/07/24 15:33	03/13/24 13:43	1
Nickel	5.0	U	5.0	0.23	mg/Kg		03/07/24 15:33	03/13/24 13:43	1

Lab Sample ID: LCSSRM 480-702951/2-A
Matrix: Solid
Analysis Batch: 703233

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 702951

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	218	165.4		mg/Kg		75.9	57.8 - 110.1
Barium	388	356.5		mg/Kg		91.9	68.3 - 113.9
Beryllium	165	146.6		mg/Kg		88.9	69.1 - 115.8
Cadmium	118	96.81		mg/Kg		82.0	67.0 - 111.9
Copper	135	115.1		mg/Kg		85.3	69.0 - 114.8
Manganese	446	414.4		mg/Kg		92.9	70.4 - 114.3
Selenium	107	84.88		mg/Kg		79.3	58.3 - 121.5

Lab Sample ID: LCSSRM 480-702951/2-A
Matrix: Solid
Analysis Batch: 703387

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 702951

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	255	229.4		mg/Kg		90.0	63.5 - 118.4
Zinc	406	363.1		mg/Kg		89.4	63.8 - 118.2

Lab Sample ID: LCSSRM 480-702951/2-A
Matrix: Solid
Analysis Batch: 703541

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 702951

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Silver	51.0	45.08		mg/Kg		88.4	64.7 - 120.8

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

Lab Sample ID: LCSSRM 480-702951/2-A
Matrix: Solid
Analysis Batch: 703644

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 702951

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Lead	155	147.8		mg/Kg		95.4	67.7 - 119.4
Nickel	120	109.9		mg/Kg		91.6	63.2 - 117.5

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-703039/1-A
Matrix: Solid
Analysis Batch: 703135

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 703039

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021	U	0.021	0.0048	mg/Kg		03/08/24 11:38	03/08/24 14:49	1

Lab Sample ID: LCSSRM 480-703039/2-A ^10
Matrix: Solid
Analysis Batch: 703135

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 703039

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	17.1	8.20		mg/Kg		47.9	36.0 - 109.9

Lab Sample ID: 480-217561-2 MS
Matrix: Solid
Analysis Batch: 703135

Client Sample ID: SS-2 (0-1.5)
Prep Type: Total/NA
Prep Batch: 703039

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.47	F1 F2	0.436	0.631	F1	mg/Kg	☼	36	80 - 120

Lab Sample ID: 480-217561-2 MSD
Matrix: Solid
Analysis Batch: 703135

Client Sample ID: SS-2 (0-1.5)
Prep Type: Total/NA
Prep Batch: 703039

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.47	F1 F2	0.470	0.970	F2	mg/Kg	☼	105	80 - 120	42	20

GC/MS Semi VOA

Prep Batch: 703057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-217561-1	SS-1 (0-1.5)	Total/NA	Solid	3550C	
480-217561-2	SS-2 (0-1.5)	Total/NA	Solid	3550C	
MB 480-703057/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-703057/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 703225

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-217561-1	SS-1 (0-1.5)	Total/NA	Solid	8270D	703057
480-217561-2	SS-2 (0-1.5)	Total/NA	Solid	8270D	703057
MB 480-703057/1-A	Method Blank	Total/NA	Solid	8270D	703057
LCS 480-703057/2-A	Lab Control Sample	Total/NA	Solid	8270D	703057

Metals

Prep Batch: 702951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-217561-1	SS-1 (0-1.5)	Total/NA	Solid	3050B	
480-217561-2	SS-2 (0-1.5)	Total/NA	Solid	3050B	
MB 480-702951/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-702951/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 703039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-217561-1	SS-1 (0-1.5)	Total/NA	Solid	7471B	
480-217561-2	SS-2 (0-1.5)	Total/NA	Solid	7471B	
MB 480-703039/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-703039/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	
480-217561-2 MS	SS-2 (0-1.5)	Total/NA	Solid	7471B	
480-217561-2 MSD	SS-2 (0-1.5)	Total/NA	Solid	7471B	

Analysis Batch: 703135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-217561-1	SS-1 (0-1.5)	Total/NA	Solid	7471B	703039
480-217561-2	SS-2 (0-1.5)	Total/NA	Solid	7471B	703039
MB 480-703039/1-A	Method Blank	Total/NA	Solid	7471B	703039
LCSSRM 480-703039/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	703039
480-217561-2 MS	SS-2 (0-1.5)	Total/NA	Solid	7471B	703039
480-217561-2 MSD	SS-2 (0-1.5)	Total/NA	Solid	7471B	703039

Analysis Batch: 703233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-217561-1	SS-1 (0-1.5)	Total/NA	Solid	6010C	702951
480-217561-2	SS-2 (0-1.5)	Total/NA	Solid	6010C	702951
MB 480-702951/1-A	Method Blank	Total/NA	Solid	6010C	702951
LCSSRM 480-702951/2-A	Lab Control Sample	Total/NA	Solid	6010C	702951

Analysis Batch: 703387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-217561-1	SS-1 (0-1.5)	Total/NA	Solid	6010C	702951
MB 480-702951/1-A	Method Blank	Total/NA	Solid	6010C	702951
LCSSRM 480-702951/2-A	Lab Control Sample	Total/NA	Solid	6010C	702951

QC Association Summary

Client: Brydges Engineering in Environment & Energy DPC
Job ID: 480-217561-1
Project/Site: 273 Hickory (Sampling at 227 Pratt)

Metals

Analysis Batch: 703541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-217561-1	SS-1 (0-1.5)	Total/NA	Solid	6010C	702951
480-217561-2	SS-2 (0-1.5)	Total/NA	Solid	6010C	702951
MB 480-702951/1-A	Method Blank	Total/NA	Solid	6010C	702951
LCSSRM 480-702951/2-A	Lab Control Sample	Total/NA	Solid	6010C	702951

Analysis Batch: 703644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-217561-2	SS-2 (0-1.5)	Total/NA	Solid	6010C	702951
MB 480-702951/1-A	Method Blank	Total/NA	Solid	6010C	702951
LCSSRM 480-702951/2-A	Lab Control Sample	Total/NA	Solid	6010C	702951

Analysis Batch: 703718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-217561-1	SS-1 (0-1.5)	Total/NA	Solid	6010C	702951
480-217561-2	SS-2 (0-1.5)	Total/NA	Solid	6010C	702951

General Chemistry

Analysis Batch: 702978

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-217561-1	SS-1 (0-1.5)	Total/NA	Solid	Moisture	
480-217561-2	SS-2 (0-1.5)	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Brydges Engineering in Environment & Energy DPC
Job ID: 480-217561-1
Project/Site: 273 Hickory (Sampling at 227 Pratt)

Client Sample ID: SS-1 (0-1.5)
Lab Sample ID: 480-217561-1
Date Collected: 03/06/24 13:15
Matrix: Solid
Date Received: 03/07/24 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	702978	JMM	EET BUF	03/07/24 15:58

Client Sample ID: SS-1 (0-1.5)
Lab Sample ID: 480-217561-1
Date Collected: 03/06/24 13:15
Matrix: Solid
Date Received: 03/07/24 16:45
Percent Solids: 73.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3550C			703057	SJM	EET BUF	03/08/24 10:34
Total/NA	Analysis	8270D		10	703225	JMM	EET BUF	03/11/24 15:57
Total/NA	Prep	3050B			702951	EMO	EET BUF	03/07/24 15:33
Total/NA	Analysis	6010C		1	703387	BMB	EET BUF	03/12/24 00:36
Total/NA	Prep	3050B			702951	EMO	EET BUF	03/07/24 15:33
Total/NA	Analysis	6010C		1	703233	BMB	EET BUF	03/09/24 01:47
Total/NA	Prep	3050B			702951	EMO	EET BUF	03/07/24 15:33
Total/NA	Analysis	6010C		1	703541	BMB	EET BUF	03/12/24 18:13
Total/NA	Prep	3050B			702951	EMO	EET BUF	03/07/24 15:33
Total/NA	Analysis	6010C		1	703718	BMB	EET BUF	03/13/24 19:06
Total/NA	Prep	7471B			703039	NVK	EET BUF	03/08/24 11:38
Total/NA	Analysis	7471B		1	703135	NVK	EET BUF	03/08/24 15:02

Client Sample ID: SS-2 (0-1.5)
Lab Sample ID: 480-217561-2
Date Collected: 03/06/24 13:20
Matrix: Solid
Date Received: 03/07/24 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	702978	JMM	EET BUF	03/07/24 15:58

Client Sample ID: SS-2 (0-1.5)
Lab Sample ID: 480-217561-2
Date Collected: 03/06/24 13:20
Matrix: Solid
Date Received: 03/07/24 16:45
Percent Solids: 73.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3550C			703057	SJM	EET BUF	03/08/24 10:34
Total/NA	Analysis	8270D		5	703225	JMM	EET BUF	03/11/24 16:22
Total/NA	Prep	3050B			702951	EMO	EET BUF	03/07/24 15:33
Total/NA	Analysis	6010C		1	703233	BMB	EET BUF	03/09/24 01:50
Total/NA	Prep	3050B			702951	EMO	EET BUF	03/07/24 15:33
Total/NA	Analysis	6010C		1	703541	BMB	EET BUF	03/12/24 18:16
Total/NA	Prep	3050B			702951	EMO	EET BUF	03/07/24 15:33
Total/NA	Analysis	6010C		1	703644	BMB	EET BUF	03/13/24 15:36
Total/NA	Prep	3050B			702951	EMO	EET BUF	03/07/24 15:33
Total/NA	Analysis	6010C		1	703718	BMB	EET BUF	03/13/24 19:09
Total/NA	Prep	7471B			703039	NVK	EET BUF	03/08/24 11:38
Total/NA	Analysis	7471B		1	703135	NVK	EET BUF	03/08/24 15:03

Lab Chronicle

Client: Brydges Engineering in Environment & Energy DPC
Job ID: 480-217561-1
Project/Site: 273 Hickory (Sampling at 227 Pratt)

Laboratory References:

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

Accreditation/Certification Summary

Client: Brydges Engineering in Environment & Energy DPC
Job ID: 480-217561-1
Project/Site: 273 Hickory (Sampling at 227 Pratt)

Laboratory: Eurofins Buffalo

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

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

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

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

Method Summary

Client: Brydges Engineering in Environment & Energy DPC
Job ID: 480-217561-1
Project/Site: 273 Hickory (Sampling at 227 Pratt)

Method	Method Description	Protocol	Laboratory
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET BUF
6010C	Metals (ICP)	SW846	EET BUF
7471B	Mercury (CVAA)	SW846	EET BUF
Moisture	Percent Moisture	EPA	EET BUF
3050B	Preparation, Metals	SW846	EET BUF
3550C	Ultrasonic Extraction	SW846	EET BUF
7471B	Preparation, Mercury	SW846	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Sample Summary

Client: Brydges Engineering in Environment & Energy DPC
Job ID: 480-217561-1
Project/Site: 273 Hickory (Sampling at 227 Pratt)

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-217561-1	SS-1 (0-1.5)	Solid	03/06/24 13:15	03/07/24 16:45
480-217561-2	SS-2 (0-1.5)	Solid	03/06/24 13:20	03/07/24 16:45

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	Sampler: Palumbo-Compton, Alexis	Lab PM: Beninati, John	Carrier Tracking No(s):	COC No:
Client Contact: Alexis Palumbo-Compton	Phone: 585-944-6793	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin:	Page: 1 of 1
Company: Brydges Engineering in Evironment & Energy DPC	PWSID:			Job #:

Address: 960 Busti Ave Suite B-150	Due Date Requested:
City: Buffalo	TAT Requested (days): Standard
State, Zip: NY, 14213	Compliance Project: Δ Yes Δ No
Phone: 716-362-6533(Tel)	PO #:
Email: apalumbo@be3corp.com	WO #:
Project Name: 273 Hickory (Sampling at 227 Pratt)	Project #: 48026587
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	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270D, 6010C, 7471B	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
SS-1 (0-1.5')	3/6/24	1:15 pm	G	S			X		
SS-2 (0-1.5')	3/6/24	1:20 pm	G	S			X		

480-217561 Chain of Custody

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Alexis Palumbo-Compton	3/6/24 4:45 p.m.	BE3	SM	3/6/24 4:45	eurofins
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: 14.4 #1 ICE

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Brydges Engineering in Environment & Energy DPC

Job Number: 480-217561-1

Login Number: 217561
List Number: 1
Creator: Stopa, Erik S

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
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	BE3
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	