

ANALYTICAL REPORT

PREPARED FOR

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JOB DESCRIPTION

38 Holloway Blvd.

JOB NUMBER

480-229683-1

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Job Notes

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Authorization



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Definitions/Glossary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 38 Holloway Blvd.

Job ID: 480-229683-1

Qualifiers

GC/MS VOA

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.
vs	Reported analyte concentrations are below 200 ug/kg and may be biased low due to the sample not being collected according to 5035A- L low-level specifications.

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.

Metals

Qualifier	Qualifier Description
^5-	Linear Range Check (LRC) is outside acceptance limits, low biased.
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

Case Narrative

Client: Brydges Engineering in Environment & Energy DPC
Project: 38 Holloway Blvd.

Job ID: 480-229683-1

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Job Narrative 480-229683-1

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 and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided 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 5/23/2025 4:30 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 8.9°C.

GC/MS VOA

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-747191 recovered above the upper control limit for Methylene Chloride. The sample(s) associated with this CCV were non-detects above the reporting limit for the affected analyte; therefore, the data have been reported. The associated samples are: BH-1 (480-229683-1), BH-2 (480-229683-2) and BH-3 (480-229683-3).

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 sample was diluted due to color, appearance, and viscosity: BH-1 (480-229683-1). 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.

Metals

Method 6010D: The linear range check (LRC) standard recovery associated with 480-747391 is outside the acceptance criteria for the following analytes: Silver, Beryllium, Nickel, and Zinc. The concentration of these analyte(s) in the sample(s) are below the highest standard of the calibration curve; 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.

General Chemistry

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

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Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 38 Holloway Blvd.

Job ID: 480-229683-1

Client Sample ID: BH-1

Lab Sample ID: 480-229683-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.56	J B vs	5.6	0.35	ug/Kg	1	✱	8260C	Total/NA
Methylene Chloride	2.8	J vs	5.6	2.6	ug/Kg	1	✱	8260C	Total/NA
Acenaphthene	160	J	970	140	ug/Kg	5	✱	8270D	Total/NA
Anthracene	460	J	970	240	ug/Kg	5	✱	8270D	Total/NA
Benzo[a]anthracene	1100		970	97	ug/Kg	5	✱	8270D	Total/NA
Benzo[a]pyrene	960	J	970	140	ug/Kg	5	✱	8270D	Total/NA
Benzo[b]fluoranthene	1300		970	150	ug/Kg	5	✱	8270D	Total/NA
Benzo[g,h,i]perylene	580	J	970	100	ug/Kg	5	✱	8270D	Total/NA
Benzo[k]fluoranthene	500	J	970	130	ug/Kg	5	✱	8270D	Total/NA
Chrysene	1100		970	220	ug/Kg	5	✱	8270D	Total/NA
Dibenzofuran	110	J	970	110	ug/Kg	5	✱	8270D	Total/NA
Fluoranthene	2300		970	100	ug/Kg	5	✱	8270D	Total/NA
Fluorene	180	J	970	110	ug/Kg	5	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	470	J	970	120	ug/Kg	5	✱	8270D	Total/NA
Phenanthrene	1700		970	140	ug/Kg	5	✱	8270D	Total/NA
Pyrene	1800		970	110	ug/Kg	5	✱	8270D	Total/NA
Arsenic	4.8		2.2	0.98	mg/Kg	1	✱	6010D	Total/NA
Barium	110		0.56	0.16	mg/Kg	1	✱	6010D	Total/NA
Beryllium	0.48	^5-	0.22	0.045	mg/Kg	1	✱	6010D	Total/NA
Cadmium	1.2		0.22	0.078	mg/Kg	1	✱	6010D	Total/NA
Chromium	26.0		0.56	0.40	mg/Kg	1	✱	6010D	Total/NA
Copper	25.9		1.1	0.64	mg/Kg	1	✱	6010D	Total/NA
Manganese	410		1.1	0.31	mg/Kg	1	✱	6010D	Total/NA
Nickel	13.9	^5-	5.6	0.28	mg/Kg	1	✱	6010D	Total/NA
Lead	245		1.1	0.51	mg/Kg	1	✱	6010D	Total/NA
Zinc	121	^5-	2.2	1.1	mg/Kg	1	✱	6010D	Total/NA
Mercury	0.38		0.024	0.0054	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: BH-2

Lab Sample ID: 480-229683-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.68	J B vs	6.0	0.37	ug/Kg	1	✱	8260C	Total/NA
Benzo[a]anthracene	120	J	210	21	ug/Kg	1	✱	8270D	Total/NA
Benzo[a]pyrene	120	J	210	31	ug/Kg	1	✱	8270D	Total/NA
Benzo[b]fluoranthene	140	J	210	33	ug/Kg	1	✱	8270D	Total/NA
Benzo[g,h,i]perylene	99	J	210	22	ug/Kg	1	✱	8270D	Total/NA
Benzo[k]fluoranthene	63	J	210	27	ug/Kg	1	✱	8270D	Total/NA
Chrysene	130	J	210	47	ug/Kg	1	✱	8270D	Total/NA
Fluoranthene	260		210	22	ug/Kg	1	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	63	J	210	26	ug/Kg	1	✱	8270D	Total/NA
Phenanthrene	190	J	210	31	ug/Kg	1	✱	8270D	Total/NA
Pyrene	210		210	25	ug/Kg	1	✱	8270D	Total/NA
Arsenic	4.5		2.4	1.0	mg/Kg	1	✱	6010D	Total/NA
Barium	90.3		0.59	0.17	mg/Kg	1	✱	6010D	Total/NA
Beryllium	0.42	^5-	0.24	0.047	mg/Kg	1	✱	6010D	Total/NA
Cadmium	0.53		0.24	0.083	mg/Kg	1	✱	6010D	Total/NA
Chromium	13.1		0.59	0.43	mg/Kg	1	✱	6010D	Total/NA
Copper	18.5		1.2	0.67	mg/Kg	1	✱	6010D	Total/NA
Manganese	264		1.2	0.33	mg/Kg	1	✱	6010D	Total/NA
Nickel	10.4	^5-	5.9	0.30	mg/Kg	1	✱	6010D	Total/NA
Lead	212		1.2	0.54	mg/Kg	1	✱	6010D	Total/NA

This Detection Summary does not include radiochemical test results.

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Detection Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 38 Holloway Blvd.

Job ID: 480-229683-1

Client Sample ID: BH-2 (Continued)

Lab Sample ID: 480-229683-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Zinc	221	^5-	2.4	1.2	mg/Kg	1		✱	6010D	Total/NA
Mercury	0.23		0.025	0.0057	mg/Kg	1		✱	7471B	Total/NA

Client Sample ID: BH-3

Lab Sample ID: 480-229683-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Chloroform	0.59	J B vs	6.1	0.38	ug/Kg	1		✱	8260C	Total/NA
Benzo[a]anthracene	180	J	210	21	ug/Kg	1		✱	8270D	Total/NA
Benzo[a]pyrene	190	J	210	31	ug/Kg	1		✱	8270D	Total/NA
Benzo[b]fluoranthene	260		210	33	ug/Kg	1		✱	8270D	Total/NA
Benzo[g,h,i]perylene	150	J	210	22	ug/Kg	1		✱	8270D	Total/NA
Benzo[k]fluoranthene	110	J	210	27	ug/Kg	1		✱	8270D	Total/NA
Chrysene	210		210	47	ug/Kg	1		✱	8270D	Total/NA
Dibenz(a,h)anthracene	42	J	210	37	ug/Kg	1		✱	8270D	Total/NA
Fluoranthene	390		210	22	ug/Kg	1		✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	120	J	210	26	ug/Kg	1		✱	8270D	Total/NA
Phenanthrene	220		210	31	ug/Kg	1		✱	8270D	Total/NA
Pyrene	330		210	25	ug/Kg	1		✱	8270D	Total/NA
Arsenic	5.8		2.5	1.1	mg/Kg	1		✱	6010D	Total/NA
Barium	138		0.63	0.18	mg/Kg	1		✱	6010D	Total/NA
Beryllium	0.63	^5-	0.25	0.050	mg/Kg	1		✱	6010D	Total/NA
Cadmium	0.24	J	0.25	0.088	mg/Kg	1		✱	6010D	Total/NA
Chromium	17.3		0.63	0.45	mg/Kg	1		✱	6010D	Total/NA
Copper	87.8		1.3	0.71	mg/Kg	1		✱	6010D	Total/NA
Manganese	287		1.3	0.35	mg/Kg	1		✱	6010D	Total/NA
Nickel	15.6	^5-	6.3	0.31	mg/Kg	1		✱	6010D	Total/NA
Lead	260		1.3	0.58	mg/Kg	1		✱	6010D	Total/NA
Zinc	114	^5-	2.5	1.3	mg/Kg	1		✱	6010D	Total/NA
Mercury	0.54		0.025	0.0057	mg/Kg	1		✱	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 38 Holloway Blvd.

Job ID: 480-229683-1

Client Sample ID: BH-1

Lab Sample ID: 480-229683-1

Date Collected: 05/23/25 07:30

Matrix: Solid

Date Received: 05/23/25 16:30

Percent Solids: 87.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.6	0.41	ug/Kg	✱	05/27/25 17:46	05/28/25 01:24	1
1,1-Dichloroethane	ND	vs	5.6	0.69	ug/Kg	✱	05/27/25 17:46	05/28/25 01:24	1
1,1-Dichloroethene	ND	vs	5.6	0.69	ug/Kg	✱	05/27/25 17:46	05/28/25 01:24	1
1,2,4-Trimethylbenzene	ND	vs	5.6	1.1	ug/Kg	✱	05/27/25 17:46	05/28/25 01:24	1
1,2-Dichlorobenzene	ND	vs	5.6	0.44	ug/Kg	✱	05/27/25 17:46	05/28/25 01:24	1
1,2-Dichloroethane	ND	vs	5.6	0.28	ug/Kg	✱	05/27/25 17:46	05/28/25 01:24	1
1,3,5-Trimethylbenzene	ND	vs	5.6	0.36	ug/Kg	✱	05/27/25 17:46	05/28/25 01:24	1
1,3-Dichlorobenzene	ND	vs	5.6	0.29	ug/Kg	✱	05/27/25 17:46	05/28/25 01:24	1
1,4-Dichlorobenzene	ND	vs	5.6	0.79	ug/Kg	✱	05/27/25 17:46	05/28/25 01:24	1
1,4-Dioxane	ND	vs	110	25	ug/Kg	✱	05/27/25 17:46	05/28/25 01:24	1
2-Butanone (MEK)	ND	vs	28	2.1	ug/Kg	✱	05/27/25 17:46	05/28/25 01:24	1
Acetone	ND	vs	28	4.8	ug/Kg	✱	05/27/25 17:46	05/28/25 01:24	1
Benzene	ND	vs	5.6	0.28	ug/Kg	✱	05/27/25 17:46	05/28/25 01:24	1
Carbon tetrachloride	ND	vs	5.6	0.55	ug/Kg	✱	05/27/25 17:46	05/28/25 01:24	1
Chlorobenzene	ND	vs	5.6	0.75	ug/Kg	✱	05/27/25 17:46	05/28/25 01:24	1
Chloroform	0.56	J B vs	5.6	0.35	ug/Kg	✱	05/27/25 17:46	05/28/25 01:24	1
cis-1,2-Dichloroethene	ND	vs	5.6	0.72	ug/Kg	✱	05/27/25 17:46	05/28/25 01:24	1
Ethylbenzene	ND	vs	5.6	0.39	ug/Kg	✱	05/27/25 17:46	05/28/25 01:24	1
Methyl tert-butyl ether	ND	vs	5.6	0.55	ug/Kg	✱	05/27/25 17:46	05/28/25 01:24	1
Methylene Chloride	2.8	J vs	5.6	2.6	ug/Kg	✱	05/27/25 17:46	05/28/25 01:24	1
n-Butylbenzene	ND	vs	5.6	0.49	ug/Kg	✱	05/27/25 17:46	05/28/25 01:24	1
N-Propylbenzene	ND	vs	5.6	0.45	ug/Kg	✱	05/27/25 17:46	05/28/25 01:24	1
sec-Butylbenzene	ND	vs	5.6	0.49	ug/Kg	✱	05/27/25 17:46	05/28/25 01:24	1
Tetrachloroethene	ND	vs	5.6	0.76	ug/Kg	✱	05/27/25 17:46	05/28/25 01:24	1
Toluene	ND	vs	5.6	0.43	ug/Kg	✱	05/27/25 17:46	05/28/25 01:24	1
trans-1,2-Dichloroethene	ND	vs	5.6	0.58	ug/Kg	✱	05/27/25 17:46	05/28/25 01:24	1
Trichloroethene	ND	vs	5.6	1.2	ug/Kg	✱	05/27/25 17:46	05/28/25 01:24	1
Vinyl chloride	ND	vs	5.6	0.69	ug/Kg	✱	05/27/25 17:46	05/28/25 01:24	1
Xylenes, Total	ND	vs	11	0.95	ug/Kg	✱	05/27/25 17:46	05/28/25 01:24	1
tert-Butylbenzene	ND	vs	5.6	0.59	ug/Kg	✱	05/27/25 17:46	05/28/25 01:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		64 - 126	05/27/25 17:46	05/28/25 01:24	1
4-Bromofluorobenzene (Surr)	105		72 - 126	05/27/25 17:46	05/28/25 01:24	1
Toluene-d8 (Surr)	94		71 - 125	05/27/25 17:46	05/28/25 01:24	1
Dibromofluoromethane (Surr)	106		60 - 140	05/27/25 17:46	05/28/25 01:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		570	310	ug/Kg	✱	05/28/25 14:17	05/29/25 14:30	5
2-Methylphenol	ND		970	110	ug/Kg	✱	05/28/25 14:17	05/29/25 14:30	5
3-Methylphenol	ND		1900	150	ug/Kg	✱	05/28/25 14:17	05/29/25 14:30	5
4-Methylphenol	ND		1900	110	ug/Kg	✱	05/28/25 14:17	05/29/25 14:30	5
Acenaphthene	160	J	970	140	ug/Kg	✱	05/28/25 14:17	05/29/25 14:30	5
Acenaphthylene	ND		970	130	ug/Kg	✱	05/28/25 14:17	05/29/25 14:30	5
Anthracene	460	J	970	240	ug/Kg	✱	05/28/25 14:17	05/29/25 14:30	5
Benzo[a]anthracene	1100		970	97	ug/Kg	✱	05/28/25 14:17	05/29/25 14:30	5
Benzo[a]pyrene	960	J	970	140	ug/Kg	✱	05/28/25 14:17	05/29/25 14:30	5
Benzo[b]fluoranthene	1300		970	150	ug/Kg	✱	05/28/25 14:17	05/29/25 14:30	5
Benzo[g,h,i]perylene	580	J	970	100	ug/Kg	✱	05/28/25 14:17	05/29/25 14:30	5

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 38 Holloway Blvd.

Job ID: 480-229683-1

Client Sample ID: BH-1

Lab Sample ID: 480-229683-1

Date Collected: 05/23/25 07:30

Matrix: Solid

Date Received: 05/23/25 16:30

Percent Solids: 87.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	500	J	970	130	ug/Kg	☆	05/28/25 14:17	05/29/25 14:30	5
Chrysene	1100		970	220	ug/Kg	☆	05/28/25 14:17	05/29/25 14:30	5
Dibenz(a,h)anthracene	ND		970	170	ug/Kg	☆	05/28/25 14:17	05/29/25 14:30	5
Dibenzofuran	110	J	970	110	ug/Kg	☆	05/28/25 14:17	05/29/25 14:30	5
Fluoranthene	2300		970	100	ug/Kg	☆	05/28/25 14:17	05/29/25 14:30	5
Fluorene	180	J	970	110	ug/Kg	☆	05/28/25 14:17	05/29/25 14:30	5
Hexachlorobenzene	ND		970	130	ug/Kg	☆	05/28/25 14:17	05/29/25 14:30	5
Indeno[1,2,3-cd]pyrene	470	J	970	120	ug/Kg	☆	05/28/25 14:17	05/29/25 14:30	5
Naphthalene	ND		970	130	ug/Kg	☆	05/28/25 14:17	05/29/25 14:30	5
Pentachlorophenol	ND		1900	970	ug/Kg	☆	05/28/25 14:17	05/29/25 14:30	5
Phenanthrene	1700		970	140	ug/Kg	☆	05/28/25 14:17	05/29/25 14:30	5
Phenol	ND		970	150	ug/Kg	☆	05/28/25 14:17	05/29/25 14:30	5
Pyrene	1800		970	110	ug/Kg	☆	05/28/25 14:17	05/29/25 14:30	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	85		26 - 143	05/28/25 14:17	05/29/25 14:30	5
2-Fluorobiphenyl (Surr)	91		50 - 121	05/28/25 14:17	05/29/25 14:30	5
2-Fluorophenol (Surr)	84		36 - 120	05/28/25 14:17	05/29/25 14:30	5
Nitrobenzene-d5 (Surr)	87		40 - 121	05/28/25 14:17	05/29/25 14:30	5
Phenol-d5 (Surr)	87		41 - 120	05/28/25 14:17	05/29/25 14:30	5
p-Terphenyl-d14 (Surr)	95		46 - 143	05/28/25 14:17	05/29/25 14:30	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND	^5-	0.67	0.22	mg/Kg	☆	05/28/25 15:39	05/29/25 12:45	1
Arsenic	4.8		2.2	0.98	mg/Kg	☆	05/28/25 15:39	05/29/25 12:45	1
Barium	110		0.56	0.16	mg/Kg	☆	05/28/25 15:39	05/29/25 12:45	1
Beryllium	0.48	^5-	0.22	0.045	mg/Kg	☆	05/28/25 15:39	05/29/25 12:45	1
Cadmium	1.2		0.22	0.078	mg/Kg	☆	05/28/25 15:39	05/29/25 12:45	1
Chromium	26.0		0.56	0.40	mg/Kg	☆	05/28/25 15:39	05/29/25 12:45	1
Copper	25.9		1.1	0.64	mg/Kg	☆	05/28/25 15:39	05/29/25 12:45	1
Manganese	410		1.1	0.31	mg/Kg	☆	05/28/25 15:39	05/29/25 12:45	1
Nickel	13.9	^5-	5.6	0.28	mg/Kg	☆	05/28/25 15:39	05/29/25 12:45	1
Lead	245		1.1	0.51	mg/Kg	☆	05/28/25 15:39	05/29/25 12:45	1
Selenium	ND		4.5	0.89	mg/Kg	☆	05/28/25 15:39	05/29/25 12:45	1
Zinc	121	^5-	2.2	1.1	mg/Kg	☆	05/28/25 15:39	05/29/25 12:45	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.38		0.024	0.0054	mg/Kg	☆	05/28/25 09:39	05/28/25 11:28	1

Client Sample ID: BH-2

Lab Sample ID: 480-229683-2

Date Collected: 05/23/25 08:00

Matrix: Solid

Date Received: 05/23/25 16:30

Percent Solids: 81.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	6.0	0.44	ug/Kg	☆	05/27/25 17:46	05/28/25 01:48	1
1,1-Dichloroethane	ND	vs	6.0	0.74	ug/Kg	☆	05/27/25 17:46	05/28/25 01:48	1
1,1-Dichloroethene	ND	vs	6.0	0.74	ug/Kg	☆	05/27/25 17:46	05/28/25 01:48	1
1,2,4-Trimethylbenzene	ND	vs	6.0	1.2	ug/Kg	☆	05/27/25 17:46	05/28/25 01:48	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 38 Holloway Blvd.

Job ID: 480-229683-1

Client Sample ID: BH-2

Lab Sample ID: 480-229683-2

Date Collected: 05/23/25 08:00

Matrix: Solid

Date Received: 05/23/25 16:30

Percent Solids: 81.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND	vs	6.0	0.47	ug/Kg	✱	05/27/25 17:46	05/28/25 01:48	1
1,2-Dichloroethane	ND	vs	6.0	0.30	ug/Kg	✱	05/27/25 17:46	05/28/25 01:48	1
1,3,5-Trimethylbenzene	ND	vs	6.0	0.39	ug/Kg	✱	05/27/25 17:46	05/28/25 01:48	1
1,3-Dichlorobenzene	ND	vs	6.0	0.31	ug/Kg	✱	05/27/25 17:46	05/28/25 01:48	1
1,4-Dichlorobenzene	ND	vs	6.0	0.84	ug/Kg	✱	05/27/25 17:46	05/28/25 01:48	1
1,4-Dioxane	ND	vs	120	26	ug/Kg	✱	05/27/25 17:46	05/28/25 01:48	1
2-Butanone (MEK)	ND	vs	30	2.2	ug/Kg	✱	05/27/25 17:46	05/28/25 01:48	1
Acetone	ND	vs	30	5.1	ug/Kg	✱	05/27/25 17:46	05/28/25 01:48	1
Benzene	ND	vs	6.0	0.30	ug/Kg	✱	05/27/25 17:46	05/28/25 01:48	1
Carbon tetrachloride	ND	vs	6.0	0.58	ug/Kg	✱	05/27/25 17:46	05/28/25 01:48	1
Chlorobenzene	ND	vs	6.0	0.80	ug/Kg	✱	05/27/25 17:46	05/28/25 01:48	1
Chloroform	0.68	J B vs	6.0	0.37	ug/Kg	✱	05/27/25 17:46	05/28/25 01:48	1
cis-1,2-Dichloroethene	ND	vs	6.0	0.77	ug/Kg	✱	05/27/25 17:46	05/28/25 01:48	1
Ethylbenzene	ND	vs	6.0	0.42	ug/Kg	✱	05/27/25 17:46	05/28/25 01:48	1
Methyl tert-butyl ether	ND	vs	6.0	0.59	ug/Kg	✱	05/27/25 17:46	05/28/25 01:48	1
Methylene Chloride	ND	vs	6.0	2.8	ug/Kg	✱	05/27/25 17:46	05/28/25 01:48	1
n-Butylbenzene	ND	vs	6.0	0.52	ug/Kg	✱	05/27/25 17:46	05/28/25 01:48	1
N-Propylbenzene	ND	vs	6.0	0.48	ug/Kg	✱	05/27/25 17:46	05/28/25 01:48	1
sec-Butylbenzene	ND	vs	6.0	0.52	ug/Kg	✱	05/27/25 17:46	05/28/25 01:48	1
Tetrachloroethene	ND	vs	6.0	0.81	ug/Kg	✱	05/27/25 17:46	05/28/25 01:48	1
Toluene	ND	vs	6.0	0.46	ug/Kg	✱	05/27/25 17:46	05/28/25 01:48	1
trans-1,2-Dichloroethene	ND	vs	6.0	0.62	ug/Kg	✱	05/27/25 17:46	05/28/25 01:48	1
Trichloroethene	ND	vs	6.0	1.3	ug/Kg	✱	05/27/25 17:46	05/28/25 01:48	1
Vinyl chloride	ND	vs	6.0	0.74	ug/Kg	✱	05/27/25 17:46	05/28/25 01:48	1
Xylenes, Total	ND	vs	12	1.0	ug/Kg	✱	05/27/25 17:46	05/28/25 01:48	1
tert-Butylbenzene	ND	vs	6.0	0.63	ug/Kg	✱	05/27/25 17:46	05/28/25 01:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		64 - 126	05/27/25 17:46	05/28/25 01:48	1
4-Bromofluorobenzene (Surr)	102		72 - 126	05/27/25 17:46	05/28/25 01:48	1
Toluene-d8 (Surr)	92		71 - 125	05/27/25 17:46	05/28/25 01:48	1
Dibromofluoromethane (Surr)	108		60 - 140	05/27/25 17:46	05/28/25 01:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		120	68	ug/Kg	✱	05/28/25 14:17	05/29/25 14:58	1
2-Methylphenol	ND		210	25	ug/Kg	✱	05/28/25 14:17	05/29/25 14:58	1
3-Methylphenol	ND		410	32	ug/Kg	✱	05/28/25 14:17	05/29/25 14:58	1
4-Methylphenol	ND		410	25	ug/Kg	✱	05/28/25 14:17	05/29/25 14:58	1
Acenaphthene	ND		210	31	ug/Kg	✱	05/28/25 14:17	05/29/25 14:58	1
Acenaphthylene	ND		210	27	ug/Kg	✱	05/28/25 14:17	05/29/25 14:58	1
Anthracene	ND		210	52	ug/Kg	✱	05/28/25 14:17	05/29/25 14:58	1
Benzo[a]anthracene	120	J	210	21	ug/Kg	✱	05/28/25 14:17	05/29/25 14:58	1
Benzo[a]pyrene	120	J	210	31	ug/Kg	✱	05/28/25 14:17	05/29/25 14:58	1
Benzo[b]fluoranthene	140	J	210	33	ug/Kg	✱	05/28/25 14:17	05/29/25 14:58	1
Benzo[g,h,i]perylene	99	J	210	22	ug/Kg	✱	05/28/25 14:17	05/29/25 14:58	1
Benzo[k]fluoranthene	63	J	210	27	ug/Kg	✱	05/28/25 14:17	05/29/25 14:58	1
Chrysene	130	J	210	47	ug/Kg	✱	05/28/25 14:17	05/29/25 14:58	1
Dibenz(a,h)anthracene	ND		210	37	ug/Kg	✱	05/28/25 14:17	05/29/25 14:58	1
Dibenzofuran	ND		210	25	ug/Kg	✱	05/28/25 14:17	05/29/25 14:58	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 38 Holloway Blvd.

Job ID: 480-229683-1

Client Sample ID: BH-2

Lab Sample ID: 480-229683-2

Date Collected: 05/23/25 08:00

Matrix: Solid

Date Received: 05/23/25 16:30

Percent Solids: 81.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	260		210	22	ug/Kg	✱	05/28/25 14:17	05/29/25 14:58	1
Fluorene	ND		210	25	ug/Kg	✱	05/28/25 14:17	05/29/25 14:58	1
Hexachlorobenzene	ND		210	28	ug/Kg	✱	05/28/25 14:17	05/29/25 14:58	1
Indeno[1,2,3-cd]pyrene	63	J	210	26	ug/Kg	✱	05/28/25 14:17	05/29/25 14:58	1
Naphthalene	ND		210	27	ug/Kg	✱	05/28/25 14:17	05/29/25 14:58	1
Pentachlorophenol	ND		410	210	ug/Kg	✱	05/28/25 14:17	05/29/25 14:58	1
Phenanthrene	190	J	210	31	ug/Kg	✱	05/28/25 14:17	05/29/25 14:58	1
Phenol	ND		210	32	ug/Kg	✱	05/28/25 14:17	05/29/25 14:58	1
Pyrene	210		210	25	ug/Kg	✱	05/28/25 14:17	05/29/25 14:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	104		26 - 143	05/28/25 14:17	05/29/25 14:58	1
2-Fluorobiphenyl (Surr)	108		50 - 121	05/28/25 14:17	05/29/25 14:58	1
2-Fluorophenol (Surr)	93		36 - 120	05/28/25 14:17	05/29/25 14:58	1
Nitrobenzene-d5 (Surr)	102		40 - 121	05/28/25 14:17	05/29/25 14:58	1
Phenol-d5 (Surr)	95		41 - 120	05/28/25 14:17	05/29/25 14:58	1
p-Terphenyl-d14 (Surr)	101		46 - 143	05/28/25 14:17	05/29/25 14:58	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND	^5-	0.71	0.24	mg/Kg	✱	05/28/25 15:39	05/29/25 12:47	1
Arsenic	4.5		2.4	1.0	mg/Kg	✱	05/28/25 15:39	05/29/25 12:47	1
Barium	90.3		0.59	0.17	mg/Kg	✱	05/28/25 15:39	05/29/25 12:47	1
Beryllium	0.42	^5-	0.24	0.047	mg/Kg	✱	05/28/25 15:39	05/29/25 12:47	1
Cadmium	0.53		0.24	0.083	mg/Kg	✱	05/28/25 15:39	05/29/25 12:47	1
Chromium	13.1		0.59	0.43	mg/Kg	✱	05/28/25 15:39	05/29/25 12:47	1
Copper	18.5		1.2	0.67	mg/Kg	✱	05/28/25 15:39	05/29/25 12:47	1
Manganese	264		1.2	0.33	mg/Kg	✱	05/28/25 15:39	05/29/25 12:47	1
Nickel	10.4	^5-	5.9	0.30	mg/Kg	✱	05/28/25 15:39	05/29/25 12:47	1
Lead	212		1.2	0.54	mg/Kg	✱	05/28/25 15:39	05/29/25 12:47	1
Selenium	ND		4.7	0.95	mg/Kg	✱	05/28/25 15:39	05/29/25 12:47	1
Zinc	221	^5-	2.4	1.2	mg/Kg	✱	05/28/25 15:39	05/29/25 12:47	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.23		0.025	0.0057	mg/Kg	✱	05/28/25 09:39	05/28/25 11:29	1

Client Sample ID: BH-3

Lab Sample ID: 480-229683-3

Date Collected: 05/23/25 08:30

Matrix: Solid

Date Received: 05/23/25 16:30

Percent Solids: 81.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	6.1	0.45	ug/Kg	✱	05/27/25 17:46	05/28/25 02:12	1
1,1-Dichloroethane	ND	vs	6.1	0.75	ug/Kg	✱	05/27/25 17:46	05/28/25 02:12	1
1,1-Dichloroethene	ND	vs	6.1	0.75	ug/Kg	✱	05/27/25 17:46	05/28/25 02:12	1
1,2,4-Trimethylbenzene	ND	vs	6.1	1.2	ug/Kg	✱	05/27/25 17:46	05/28/25 02:12	1
1,2-Dichlorobenzene	ND	vs	6.1	0.48	ug/Kg	✱	05/27/25 17:46	05/28/25 02:12	1
1,2-Dichloroethane	ND	vs	6.1	0.31	ug/Kg	✱	05/27/25 17:46	05/28/25 02:12	1
1,3,5-Trimethylbenzene	ND	vs	6.1	0.39	ug/Kg	✱	05/27/25 17:46	05/28/25 02:12	1
1,3-Dichlorobenzene	ND	vs	6.1	0.32	ug/Kg	✱	05/27/25 17:46	05/28/25 02:12	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 38 Holloway Blvd.

Job ID: 480-229683-1

Client Sample ID: BH-3

Lab Sample ID: 480-229683-3

Date Collected: 05/23/25 08:30

Matrix: Solid

Date Received: 05/23/25 16:30

Percent Solids: 81.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND	vs	6.1	0.86	ug/Kg	✱	05/27/25 17:46	05/28/25 02:12	1
1,4-Dioxane	ND	vs	120	27	ug/Kg	✱	05/27/25 17:46	05/28/25 02:12	1
2-Butanone (MEK)	ND	vs	31	2.2	ug/Kg	✱	05/27/25 17:46	05/28/25 02:12	1
Acetone	ND	vs	31	5.2	ug/Kg	✱	05/27/25 17:46	05/28/25 02:12	1
Benzene	ND	vs	6.1	0.30	ug/Kg	✱	05/27/25 17:46	05/28/25 02:12	1
Carbon tetrachloride	ND	vs	6.1	0.59	ug/Kg	✱	05/27/25 17:46	05/28/25 02:12	1
Chlorobenzene	ND	vs	6.1	0.81	ug/Kg	✱	05/27/25 17:46	05/28/25 02:12	1
Chloroform	0.59	J B vs	6.1	0.38	ug/Kg	✱	05/27/25 17:46	05/28/25 02:12	1
cis-1,2-Dichloroethene	ND	vs	6.1	0.79	ug/Kg	✱	05/27/25 17:46	05/28/25 02:12	1
Ethylbenzene	ND	vs	6.1	0.42	ug/Kg	✱	05/27/25 17:46	05/28/25 02:12	1
Methyl tert-butyl ether	ND	vs	6.1	0.60	ug/Kg	✱	05/27/25 17:46	05/28/25 02:12	1
Methylene Chloride	ND	vs	6.1	2.8	ug/Kg	✱	05/27/25 17:46	05/28/25 02:12	1
n-Butylbenzene	ND	vs	6.1	0.53	ug/Kg	✱	05/27/25 17:46	05/28/25 02:12	1
N-Propylbenzene	ND	vs	6.1	0.49	ug/Kg	✱	05/27/25 17:46	05/28/25 02:12	1
sec-Butylbenzene	ND	vs	6.1	0.53	ug/Kg	✱	05/27/25 17:46	05/28/25 02:12	1
Tetrachloroethene	ND	vs	6.1	0.82	ug/Kg	✱	05/27/25 17:46	05/28/25 02:12	1
Toluene	ND	vs	6.1	0.46	ug/Kg	✱	05/27/25 17:46	05/28/25 02:12	1
trans-1,2-Dichloroethene	ND	vs	6.1	0.63	ug/Kg	✱	05/27/25 17:46	05/28/25 02:12	1
Trichloroethene	ND	vs	6.1	1.3	ug/Kg	✱	05/27/25 17:46	05/28/25 02:12	1
Vinyl chloride	ND	vs	6.1	0.75	ug/Kg	✱	05/27/25 17:46	05/28/25 02:12	1
Xylenes, Total	ND	vs	12	1.0	ug/Kg	✱	05/27/25 17:46	05/28/25 02:12	1
tert-Butylbenzene	ND	vs	6.1	0.64	ug/Kg	✱	05/27/25 17:46	05/28/25 02:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		64 - 126	05/27/25 17:46	05/28/25 02:12	1
4-Bromofluorobenzene (Surr)	104		72 - 126	05/27/25 17:46	05/28/25 02:12	1
Toluene-d8 (Surr)	93		71 - 125	05/27/25 17:46	05/28/25 02:12	1
Dibromofluoromethane (Surr)	108		60 - 140	05/27/25 17:46	05/28/25 02:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		120	67	ug/Kg	✱	05/28/25 14:17	05/29/25 15:25	1
2-Methylphenol	ND		210	25	ug/Kg	✱	05/28/25 14:17	05/29/25 15:25	1
3-Methylphenol	ND		400	32	ug/Kg	✱	05/28/25 14:17	05/29/25 15:25	1
4-Methylphenol	ND		400	25	ug/Kg	✱	05/28/25 14:17	05/29/25 15:25	1
Acenaphthene	ND		210	31	ug/Kg	✱	05/28/25 14:17	05/29/25 15:25	1
Acenaphthylene	ND		210	27	ug/Kg	✱	05/28/25 14:17	05/29/25 15:25	1
Anthracene	ND		210	52	ug/Kg	✱	05/28/25 14:17	05/29/25 15:25	1
Benzo[a]anthracene	180	J	210	21	ug/Kg	✱	05/28/25 14:17	05/29/25 15:25	1
Benzo[a]pyrene	190	J	210	31	ug/Kg	✱	05/28/25 14:17	05/29/25 15:25	1
Benzo[b]fluoranthene	260		210	33	ug/Kg	✱	05/28/25 14:17	05/29/25 15:25	1
Benzo[g,h,i]perylene	150	J	210	22	ug/Kg	✱	05/28/25 14:17	05/29/25 15:25	1
Benzo[k]fluoranthene	110	J	210	27	ug/Kg	✱	05/28/25 14:17	05/29/25 15:25	1
Chrysene	210		210	47	ug/Kg	✱	05/28/25 14:17	05/29/25 15:25	1
Dibenz[a,h]anthracene	42	J	210	37	ug/Kg	✱	05/28/25 14:17	05/29/25 15:25	1
Dibenzofuran	ND		210	25	ug/Kg	✱	05/28/25 14:17	05/29/25 15:25	1
Fluoranthene	390		210	22	ug/Kg	✱	05/28/25 14:17	05/29/25 15:25	1
Fluorene	ND		210	25	ug/Kg	✱	05/28/25 14:17	05/29/25 15:25	1
Hexachlorobenzene	ND		210	28	ug/Kg	✱	05/28/25 14:17	05/29/25 15:25	1
Indeno[1,2,3-cd]pyrene	120	J	210	26	ug/Kg	✱	05/28/25 14:17	05/29/25 15:25	1

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Client Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 38 Holloway Blvd.

Job ID: 480-229683-1

Client Sample ID: BH-3

Lab Sample ID: 480-229683-3

Date Collected: 05/23/25 08:30

Matrix: Solid

Date Received: 05/23/25 16:30

Percent Solids: 81.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		210	27	ug/Kg	✱	05/28/25 14:17	05/29/25 15:25	1
Pentachlorophenol	ND		400	210	ug/Kg	✱	05/28/25 14:17	05/29/25 15:25	1
Phenanthrene	220		210	31	ug/Kg	✱	05/28/25 14:17	05/29/25 15:25	1
Phenol	ND		210	32	ug/Kg	✱	05/28/25 14:17	05/29/25 15:25	1
Pyrene	330		210	25	ug/Kg	✱	05/28/25 14:17	05/29/25 15:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	96		26 - 143	05/28/25 14:17	05/29/25 15:25	1
2-Fluorobiphenyl (Surr)	100		50 - 121	05/28/25 14:17	05/29/25 15:25	1
2-Fluorophenol (Surr)	89		36 - 120	05/28/25 14:17	05/29/25 15:25	1
Nitrobenzene-d5 (Surr)	97		40 - 121	05/28/25 14:17	05/29/25 15:25	1
Phenol-d5 (Surr)	93		41 - 120	05/28/25 14:17	05/29/25 15:25	1
p-Terphenyl-d14 (Surr)	107		46 - 143	05/28/25 14:17	05/29/25 15:25	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND	^5-	0.75	0.25	mg/Kg	✱	05/28/25 15:39	05/29/25 12:49	1
Arsenic	5.8		2.5	1.1	mg/Kg	✱	05/28/25 15:39	05/29/25 12:49	1
Barium	138		0.63	0.18	mg/Kg	✱	05/28/25 15:39	05/29/25 12:49	1
Beryllium	0.63	^5-	0.25	0.050	mg/Kg	✱	05/28/25 15:39	05/29/25 12:49	1
Cadmium	0.24	J	0.25	0.088	mg/Kg	✱	05/28/25 15:39	05/29/25 12:49	1
Chromium	17.3		0.63	0.45	mg/Kg	✱	05/28/25 15:39	05/29/25 12:49	1
Copper	87.8		1.3	0.71	mg/Kg	✱	05/28/25 15:39	05/29/25 12:49	1
Manganese	287		1.3	0.35	mg/Kg	✱	05/28/25 15:39	05/29/25 12:49	1
Nickel	15.6	^5-	6.3	0.31	mg/Kg	✱	05/28/25 15:39	05/29/25 12:49	1
Lead	260		1.3	0.58	mg/Kg	✱	05/28/25 15:39	05/29/25 12:49	1
Selenium	ND		5.0	1.0	mg/Kg	✱	05/28/25 15:39	05/29/25 12:49	1
Zinc	114	^5-	2.5	1.3	mg/Kg	✱	05/28/25 15:39	05/29/25 12:49	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.54		0.025	0.0057	mg/Kg	✱	05/28/25 09:39	05/28/25 11:30	1

Surrogate Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 38 Holloway Blvd.

Job ID: 480-229683-1

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (64-126)	BFB (72-126)	TOL (71-125)	DBFM (60-140)
480-229683-1	BH-1	103	105	94	106
480-229683-2	BH-2	105	102	92	108
480-229683-3	BH-3	104	104	93	108
LCS 480-747190/1-A	Lab Control Sample	97	104	96	104
MB 480-747190/2-A	Method Blank	101	107	95	106

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (26-143)	FBP (50-121)	2FP (36-120)	NBZ (40-121)	PHL (41-120)	TPHd14 (46-143)
480-229683-1	BH-1	85	91	84	87	87	95
480-229683-2	BH-2	104	108	93	102	95	101
480-229683-3	BH-3	96	100	89	97	93	107
LCS 480-747284/2-A	Lab Control Sample	108	95	86	90	91	100
MB 480-747284/1-A	Method Blank	99	95	84	88	88	112

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)

QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 38 Holloway Blvd.

Job ID: 480-229683-1

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

Lab Sample ID: MB 480-747190/2-A

Matrix: Solid

Analysis Batch: 747191

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 747190

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg		05/27/25 17:46	05/27/25 21:29	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg		05/27/25 17:46	05/27/25 21:29	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg		05/27/25 17:46	05/27/25 21:29	1
1,2,4-Trimethylbenzene	ND		5.0	0.96	ug/Kg		05/27/25 17:46	05/27/25 21:29	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg		05/27/25 17:46	05/27/25 21:29	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg		05/27/25 17:46	05/27/25 21:29	1
1,3,5-Trimethylbenzene	ND		5.0	0.32	ug/Kg		05/27/25 17:46	05/27/25 21:29	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg		05/27/25 17:46	05/27/25 21:29	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg		05/27/25 17:46	05/27/25 21:29	1
1,4-Dioxane	ND		100	22	ug/Kg		05/27/25 17:46	05/27/25 21:29	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		05/27/25 17:46	05/27/25 21:29	1
Acetone	ND		25	4.2	ug/Kg		05/27/25 17:46	05/27/25 21:29	1
Benzene	ND		5.0	0.25	ug/Kg		05/27/25 17:46	05/27/25 21:29	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg		05/27/25 17:46	05/27/25 21:29	1
Chlorobenzene	ND		5.0	0.66	ug/Kg		05/27/25 17:46	05/27/25 21:29	1
Chloroform	0.464	J	5.0	0.31	ug/Kg		05/27/25 17:46	05/27/25 21:29	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg		05/27/25 17:46	05/27/25 21:29	1
Ethylbenzene	ND		5.0	0.35	ug/Kg		05/27/25 17:46	05/27/25 21:29	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg		05/27/25 17:46	05/27/25 21:29	1
Methylene Chloride	ND		5.0	2.3	ug/Kg		05/27/25 17:46	05/27/25 21:29	1
n-Butylbenzene	ND		5.0	0.44	ug/Kg		05/27/25 17:46	05/27/25 21:29	1
N-Propylbenzene	ND		5.0	0.40	ug/Kg		05/27/25 17:46	05/27/25 21:29	1
sec-Butylbenzene	ND		5.0	0.44	ug/Kg		05/27/25 17:46	05/27/25 21:29	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg		05/27/25 17:46	05/27/25 21:29	1
Toluene	ND		5.0	0.38	ug/Kg		05/27/25 17:46	05/27/25 21:29	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg		05/27/25 17:46	05/27/25 21:29	1
Trichloroethene	ND		5.0	1.1	ug/Kg		05/27/25 17:46	05/27/25 21:29	1
Vinyl chloride	ND		5.0	0.61	ug/Kg		05/27/25 17:46	05/27/25 21:29	1
Xylenes, Total	ND		10	0.84	ug/Kg		05/27/25 17:46	05/27/25 21:29	1
tert-Butylbenzene	ND		5.0	0.52	ug/Kg		05/27/25 17:46	05/27/25 21:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		64 - 126	05/27/25 17:46	05/27/25 21:29	1
4-Bromofluorobenzene (Surr)	107		72 - 126	05/27/25 17:46	05/27/25 21:29	1
Toluene-d8 (Surr)	95		71 - 125	05/27/25 17:46	05/27/25 21:29	1
Dibromofluoromethane (Surr)	106		60 - 140	05/27/25 17:46	05/27/25 21:29	1

Lab Sample ID: LCS 480-747190/1-A

Matrix: Solid

Analysis Batch: 747191

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 747190

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	50.0	53.8		ug/Kg		108	77 - 121
1,1-Dichloroethane	50.0	56.4		ug/Kg		113	73 - 126
1,1-Dichloroethene	50.0	55.2		ug/Kg		110	59 - 125
1,2,4-Trimethylbenzene	50.0	49.4		ug/Kg		99	74 - 120
1,2-Dichlorobenzene	50.0	48.5		ug/Kg		97	75 - 120
1,2-Dichloroethane	50.0	55.3		ug/Kg		111	77 - 122

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 38 Holloway Blvd.

Job ID: 480-229683-1

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

Lab Sample ID: LCS 480-747190/1-A

Matrix: Solid

Analysis Batch: 747191

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 747190

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,3,5-Trimethylbenzene	50.0	49.6		ug/Kg		99	74 - 120
1,3-Dichlorobenzene	50.0	48.2		ug/Kg		96	74 - 120
1,4-Dichlorobenzene	50.0	48.1		ug/Kg		96	73 - 120
1,4-Dioxane	1000	1010		ug/Kg		101	64 - 124
2-Butanone (MEK)	250	297		ug/Kg		119	70 - 134
Acetone	250	299		ug/Kg		120	61 - 137
Benzene	50.0	55.6		ug/Kg		111	79 - 127
Carbon tetrachloride	50.0	53.9		ug/Kg		108	75 - 135
Chlorobenzene	50.0	50.8		ug/Kg		102	76 - 124
Chloroform	50.0	54.1		ug/Kg		108	80 - 120
cis-1,2-Dichloroethene	50.0	56.0		ug/Kg		112	81 - 120
Ethylbenzene	50.0	50.2		ug/Kg		100	80 - 120
Methyl tert-butyl ether	50.0	54.2		ug/Kg		108	63 - 125
Methylene Chloride	50.0	60.3		ug/Kg		121	61 - 127
n-Butylbenzene	50.0	48.8		ug/Kg		98	70 - 120
N-Propylbenzene	50.0	49.3		ug/Kg		99	70 - 130
sec-Butylbenzene	50.0	49.6		ug/Kg		99	74 - 120
Tetrachloroethene	50.0	51.6		ug/Kg		103	74 - 122
Toluene	50.0	50.8		ug/Kg		102	74 - 128
trans-1,2-Dichloroethene	50.0	56.1		ug/Kg		112	78 - 126
Trichloroethene	50.0	55.8		ug/Kg		112	77 - 129
Vinyl chloride	50.0	48.1		ug/Kg		96	61 - 133
Xylenes, Total	100	103		ug/Kg		103	70 - 130
tert-Butylbenzene	50.0	50.1		ug/Kg		100	73 - 120

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	97		64 - 126
4-Bromofluorobenzene (Surr)	104		72 - 126
Toluene-d8 (Surr)	96		71 - 125
Dibromofluoromethane (Surr)	104		60 - 140

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

Lab Sample ID: MB 480-747284/1-A

Matrix: Solid

Analysis Batch: 747362

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 747284

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,4-Dioxane	ND		100	55	ug/Kg		05/28/25 14:17	05/29/25 12:08	1
2-Methylphenol	ND		170	20	ug/Kg		05/28/25 14:17	05/29/25 12:08	1
3-Methylphenol	ND		330	26	ug/Kg		05/28/25 14:17	05/29/25 12:08	1
4-Methylphenol	ND		330	20	ug/Kg		05/28/25 14:17	05/29/25 12:08	1
Acenaphthene	ND		170	25	ug/Kg		05/28/25 14:17	05/29/25 12:08	1
Acenaphthylene	ND		170	22	ug/Kg		05/28/25 14:17	05/29/25 12:08	1
Anthracene	ND		170	42	ug/Kg		05/28/25 14:17	05/29/25 12:08	1
Benzo[a]anthracene	ND		170	17	ug/Kg		05/28/25 14:17	05/29/25 12:08	1
Benzo[a]pyrene	ND		170	25	ug/Kg		05/28/25 14:17	05/29/25 12:08	1
Benzo[b]fluoranthene	ND		170	27	ug/Kg		05/28/25 14:17	05/29/25 12:08	1
Benzo[g,h,i]perylene	ND		170	18	ug/Kg		05/28/25 14:17	05/29/25 12:08	1

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 38 Holloway Blvd.

Job ID: 480-229683-1

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

Lab Sample ID: MB 480-747284/1-A

Matrix: Solid

Analysis Batch: 747362

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 747284

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		170	22	ug/Kg		05/28/25 14:17	05/29/25 12:08	1
Chrysene	ND		170	38	ug/Kg		05/28/25 14:17	05/29/25 12:08	1
Dibenz(a,h)anthracene	ND		170	30	ug/Kg		05/28/25 14:17	05/29/25 12:08	1
Dibenzofuran	ND		170	20	ug/Kg		05/28/25 14:17	05/29/25 12:08	1
Fluoranthene	ND		170	18	ug/Kg		05/28/25 14:17	05/29/25 12:08	1
Fluorene	ND		170	20	ug/Kg		05/28/25 14:17	05/29/25 12:08	1
Hexachlorobenzene	ND		170	23	ug/Kg		05/28/25 14:17	05/29/25 12:08	1
Indeno[1,2,3-cd]pyrene	ND		170	21	ug/Kg		05/28/25 14:17	05/29/25 12:08	1
Naphthalene	ND		170	22	ug/Kg		05/28/25 14:17	05/29/25 12:08	1
Pentachlorophenol	ND		330	170	ug/Kg		05/28/25 14:17	05/29/25 12:08	1
Phenanthrene	ND		170	25	ug/Kg		05/28/25 14:17	05/29/25 12:08	1
Phenol	ND		170	26	ug/Kg		05/28/25 14:17	05/29/25 12:08	1
Pyrene	ND		170	20	ug/Kg		05/28/25 14:17	05/29/25 12:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	99		26 - 143	05/28/25 14:17	05/29/25 12:08	1
2-Fluorobiphenyl (Surr)	95		50 - 121	05/28/25 14:17	05/29/25 12:08	1
2-Fluorophenol (Surr)	84		36 - 120	05/28/25 14:17	05/29/25 12:08	1
Nitrobenzene-d5 (Surr)	88		40 - 121	05/28/25 14:17	05/29/25 12:08	1
Phenol-d5 (Surr)	88		41 - 120	05/28/25 14:17	05/29/25 12:08	1
p-Terphenyl-d14 (Surr)	112		46 - 143	05/28/25 14:17	05/29/25 12:08	1

Lab Sample ID: LCS 480-747284/2-A

Matrix: Solid

Analysis Batch: 747362

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 747284

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	1330	674		ug/Kg		51	23 - 120
2-Methylphenol	1330	1120		ug/Kg		84	54 - 120
3-Methylphenol	1330	1220		ug/Kg		92	55 - 120
4-Methylphenol	1330	1220		ug/Kg		92	55 - 120
Acenaphthene	1330	1260		ug/Kg		94	62 - 120
Acenaphthylene	1330	1210		ug/Kg		91	58 - 121
Anthracene	1330	1330		ug/Kg		100	62 - 120
Benzo[a]anthracene	1330	1320		ug/Kg		99	65 - 120
Benzo[a]pyrene	1330	1360		ug/Kg		102	64 - 120
Benzo[b]fluoranthene	1330	1430		ug/Kg		107	64 - 120
Benzo[g,h,i]perylene	1330	1440		ug/Kg		108	45 - 145
Benzo[k]fluoranthene	1330	1310		ug/Kg		99	65 - 120
Chrysene	1330	1270		ug/Kg		96	64 - 120
Dibenz(a,h)anthracene	1330	1370		ug/Kg		103	54 - 132
Dibenzofuran	1330	1290		ug/Kg		97	63 - 120
Fluoranthene	1330	1340		ug/Kg		100	62 - 120
Fluorene	1330	1310		ug/Kg		98	63 - 120
Hexachlorobenzene	1330	1310		ug/Kg		99	60 - 120
Indeno[1,2,3-cd]pyrene	1330	1380		ug/Kg		104	56 - 134
Naphthalene	1330	1170		ug/Kg		88	55 - 120
Pentachlorophenol	2670	2880		ug/Kg		108	10 - 120

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 38 Holloway Blvd.

Job ID: 480-229683-1

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

Lab Sample ID: LCS 480-747284/2-A

Matrix: Solid

Analysis Batch: 747362

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 747284

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Phenanthrene	1330	1290		ug/Kg		97	60 - 120
Phenol	1330	1130		ug/Kg		85	53 - 120
Pyrene	1330	1370		ug/Kg		103	61 - 133

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol (Surr)	108		26 - 143
2-Fluorobiphenyl (Surr)	95		50 - 121
2-Fluorophenol (Surr)	86		36 - 120
Nitrobenzene-d5 (Surr)	90		40 - 121
Phenol-d5 (Surr)	91		41 - 120
p-Terphenyl-d14 (Surr)	100		46 - 143

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 480-747264/1-A

Matrix: Solid

Analysis Batch: 747391

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 747264

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Silver	ND	^5-	0.60	0.20	mg/Kg		05/28/25 15:39	05/29/25 11:53	1
Arsenic	ND		2.0	0.87	mg/Kg		05/28/25 15:39	05/29/25 11:53	1
Barium	ND		0.50	0.14	mg/Kg		05/28/25 15:39	05/29/25 11:53	1
Beryllium	ND	^5-	0.20	0.040	mg/Kg		05/28/25 15:39	05/29/25 11:53	1
Cadmium	ND		0.20	0.069	mg/Kg		05/28/25 15:39	05/29/25 11:53	1
Chromium	ND		0.50	0.36	mg/Kg		05/28/25 15:39	05/29/25 11:53	1
Copper	ND		0.99	0.57	mg/Kg		05/28/25 15:39	05/29/25 11:53	1
Manganese	ND		0.99	0.28	mg/Kg		05/28/25 15:39	05/29/25 11:53	1
Nickel	ND	^5-	5.0	0.25	mg/Kg		05/28/25 15:39	05/29/25 11:53	1
Lead	ND		0.99	0.46	mg/Kg		05/28/25 15:39	05/29/25 11:53	1
Selenium	ND		4.0	0.79	mg/Kg		05/28/25 15:39	05/29/25 11:53	1
Zinc	ND	^5-	2.0	1.0	mg/Kg		05/28/25 15:39	05/29/25 11:53	1

Lab Sample ID: LCSSRM 480-747264/2-A

Matrix: Solid

Analysis Batch: 747391

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 747264

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Silver	59.9	49.51		mg/Kg		82.7	72.8 - 110. 7
Arsenic	181	137.5		mg/Kg		76.0	66.3 - 97.8
Barium	211	180.4		mg/Kg		85.5	73.9 - 107. 1
Beryllium	270	234.9		mg/Kg		87.0	73.0 - 104. 4
Cadmium	221	177.4		mg/Kg		80.3	70.6 - 101. 8
Chromium	149	129.1		mg/Kg		86.6	71.8 - 105. 4
Copper	264	217.2		mg/Kg		82.3	73.5 - 104. 2

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QC Sample Results

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 38 Holloway Blvd.

Job ID: 480-229683-1

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

Lab Sample ID: LCSSRM 480-747264/2-A

Matrix: Solid

Analysis Batch: 747391

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 747264

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Manganese	270	241.4		mg/Kg		89.4	73.0 - 107.8
Nickel	177	155.7		mg/Kg		88.0	71.8 - 103.4
Lead	106	101.1		mg/Kg		95.3	76.1 - 109.4
Selenium	139	112.3		mg/Kg		80.8	70.0 - 107.9
Zinc	398	336.2		mg/Kg		84.5	68.8 - 104.5

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-747211/1-A

Matrix: Solid

Analysis Batch: 747269

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 747211

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.019	0.0044	mg/Kg		05/28/25 09:39	05/28/25 11:25	1

Lab Sample ID: LCSSRM 480-747211/2-A ^10

Matrix: Solid

Analysis Batch: 747269

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 747211

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	24.0	18.47		mg/Kg		77.0	55.8 - 109.6

QC Association Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 38 Holloway Blvd.

Job ID: 480-229683-1

GC/MS VOA

Prep Batch: 747190

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229683-1	BH-1	Total/NA	Solid	5035A_L	
480-229683-2	BH-2	Total/NA	Solid	5035A_L	
480-229683-3	BH-3	Total/NA	Solid	5035A_L	
MB 480-747190/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-747190/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

Analysis Batch: 747191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229683-1	BH-1	Total/NA	Solid	8260C	747190
480-229683-2	BH-2	Total/NA	Solid	8260C	747190
480-229683-3	BH-3	Total/NA	Solid	8260C	747190
MB 480-747190/2-A	Method Blank	Total/NA	Solid	8260C	747190
LCS 480-747190/1-A	Lab Control Sample	Total/NA	Solid	8260C	747190

GC/MS Semi VOA

Prep Batch: 747284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229683-1	BH-1	Total/NA	Solid	3550C	
480-229683-2	BH-2	Total/NA	Solid	3550C	
480-229683-3	BH-3	Total/NA	Solid	3550C	
MB 480-747284/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-747284/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 747362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229683-1	BH-1	Total/NA	Solid	8270D	747284
480-229683-2	BH-2	Total/NA	Solid	8270D	747284
480-229683-3	BH-3	Total/NA	Solid	8270D	747284
MB 480-747284/1-A	Method Blank	Total/NA	Solid	8270D	747284
LCS 480-747284/2-A	Lab Control Sample	Total/NA	Solid	8270D	747284

Metals

Prep Batch: 747211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229683-1	BH-1	Total/NA	Solid	7471B	
480-229683-2	BH-2	Total/NA	Solid	7471B	
480-229683-3	BH-3	Total/NA	Solid	7471B	
MB 480-747211/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-747211/2-A ^10	Lab Control Sample	Total/NA	Solid	7471B	

Prep Batch: 747264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229683-1	BH-1	Total/NA	Solid	3050B	
480-229683-2	BH-2	Total/NA	Solid	3050B	
480-229683-3	BH-3	Total/NA	Solid	3050B	
MB 480-747264/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-747264/2-A	Lab Control Sample	Total/NA	Solid	3050B	

QC Association Summary

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 38 Holloway Blvd.

Job ID: 480-229683-1

Metals

Analysis Batch: 747269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229683-1	BH-1	Total/NA	Solid	7471B	747211
480-229683-2	BH-2	Total/NA	Solid	7471B	747211
480-229683-3	BH-3	Total/NA	Solid	7471B	747211
MB 480-747211/1-A	Method Blank	Total/NA	Solid	7471B	747211
LCSSRM 480-747211/2-A ^10	Lab Control Sample	Total/NA	Solid	7471B	747211

Analysis Batch: 747391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229683-1	BH-1	Total/NA	Solid	6010D	747264
480-229683-2	BH-2	Total/NA	Solid	6010D	747264
480-229683-3	BH-3	Total/NA	Solid	6010D	747264
MB 480-747264/1-A	Method Blank	Total/NA	Solid	6010D	747264
LCSSRM 480-747264/2-A	Lab Control Sample	Total/NA	Solid	6010D	747264

General Chemistry

Analysis Batch: 747156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-229683-1	BH-1	Total/NA	Solid	Moisture	
480-229683-2	BH-2	Total/NA	Solid	Moisture	
480-229683-3	BH-3	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 38 Holloway Blvd.

Job ID: 480-229683-1

Client Sample ID: BH-1

Date Collected: 05/23/25 07:30

Date Received: 05/23/25 16:30

Lab Sample ID: 480-229683-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	747156	MAN	EET BUF	05/27/25 14:09

Client Sample ID: BH-1

Date Collected: 05/23/25 07:30

Date Received: 05/23/25 16:30

Lab Sample ID: 480-229683-1

Matrix: Solid

Percent Solids: 87.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			747190	CDC	EET BUF	05/27/25 17:46
Total/NA	Analysis	8260C		1	747191	CDC	EET BUF	05/28/25 01:24
Total/NA	Prep	3550C			747284	LSC	EET BUF	05/28/25 14:17
Total/NA	Analysis	8270D		5	747362	JMM	EET BUF	05/29/25 14:30
Total/NA	Prep	3050B			747264	EMO	EET BUF	05/28/25 15:39
Total/NA	Analysis	6010D		1	747391	BMB	EET BUF	05/29/25 12:45
Total/NA	Prep	7471B			747211	ESB	EET BUF	05/28/25 09:39
Total/NA	Analysis	7471B		1	747269	ESB	EET BUF	05/28/25 11:28

Client Sample ID: BH-2

Date Collected: 05/23/25 08:00

Date Received: 05/23/25 16:30

Lab Sample ID: 480-229683-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	747156	MAN	EET BUF	05/27/25 14:09

Client Sample ID: BH-2

Date Collected: 05/23/25 08:00

Date Received: 05/23/25 16:30

Lab Sample ID: 480-229683-2

Matrix: Solid

Percent Solids: 81.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			747190	CDC	EET BUF	05/27/25 17:46
Total/NA	Analysis	8260C		1	747191	CDC	EET BUF	05/28/25 01:48
Total/NA	Prep	3550C			747284	LSC	EET BUF	05/28/25 14:17
Total/NA	Analysis	8270D		1	747362	JMM	EET BUF	05/29/25 14:58
Total/NA	Prep	3050B			747264	EMO	EET BUF	05/28/25 15:39
Total/NA	Analysis	6010D		1	747391	BMB	EET BUF	05/29/25 12:47
Total/NA	Prep	7471B			747211	ESB	EET BUF	05/28/25 09:39
Total/NA	Analysis	7471B		1	747269	ESB	EET BUF	05/28/25 11:29

Client Sample ID: BH-3

Date Collected: 05/23/25 08:30

Date Received: 05/23/25 16:30

Lab Sample ID: 480-229683-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	747156	MAN	EET BUF	05/27/25 14:09

Eurofins Buffalo

Lab Chronicle

Client: Brydges Engineering in Environment & Energy DPC
Project/Site: 38 Holloway Blvd.

Job ID: 480-229683-1

Client Sample ID: BH-3
Date Collected: 05/23/25 08:30
Date Received: 05/23/25 16:30

Lab Sample ID: 480-229683-3
Matrix: Solid
Percent Solids: 81.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			747190	CDC	EET BUF	05/27/25 17:46
Total/NA	Analysis	8260C		1	747191	CDC	EET BUF	05/28/25 02:12
Total/NA	Prep	3550C			747284	LSC	EET BUF	05/28/25 14:17
Total/NA	Analysis	8270D		1	747362	JMM	EET BUF	05/29/25 15:25
Total/NA	Prep	3050B			747264	EMO	EET BUF	05/28/25 15:39
Total/NA	Analysis	6010D		1	747391	BMB	EET BUF	05/29/25 12:49
Total/NA	Prep	7471B			747211	ESB	EET BUF	05/28/25 09:39
Total/NA	Analysis	7471B		1	747269	ESB	EET BUF	05/28/25 11:30

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
Project/Site: 38 Holloway Blvd.

Job ID: 480-229683-1

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	03-31-26

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
Project/Site: 38 Holloway Blvd.

Job ID: 480-229683-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET BUF
6010D	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
5035A_L	Closed System Purge and Trap	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
Project/Site: 38 Holloway Blvd.

Job ID: 480-229683-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-229683-1	BH-1	Solid	05/23/25 07:30	05/23/25 16:30
480-229683-2	BH-2	Solid	05/23/25 08:00	05/23/25 16:30
480-229683-3	BH-3	Solid	05/23/25 08:30	05/23/25 16:30

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Chain of Custody Record

Client Information Client Contact: Alexis Palumbo-Compton Company: Brydges Engineering in Environment & Energy DPC Address: 960 Busti Ave Suite B-150 City: Buffalo State, Zip: NY, 14213 Phone: 716-362-6533(Tel) Email: apalumbo@be3corp.com Project Name: Pilgrim Village Sublot 3 Site: 138 Holloway Blvd		Lab PM: Beninati, John E-Mail: John.Beninati@eurofins.com PWSID:		Carrier Tracking No(s): State of Origin:		COC No: Page: 1 of 1 Job #:	
Due Date Requested: TAT Requested (days): Standard Compliance Project: ☐ Yes ☒ No PO #:		Analysis Requested		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Ascorbic Acid H - Ice I - DI Water J - EDTA K - EDA L - other (specify) Other:		Preservation Codes: 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)	
Sample Identification Sample Date Sample Time Sample Type (C=Comp, G=grab) Matrix (W=water, S=solid, O=waste/oli, BT=issue, A=AK) Preservation Code:		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 8260C - Part 375 VOCs 8270D - Part 375 SVOCs 6010D, 7471B - Metals & Mercury		Total Number of containers		Special Instructions/Note:	
BH-1 BH-1 BH-2 BH-2 BH-3 BH-3		5.23.25 0730 0730 0800 0800 0830 0830		G g g g g g		S S S S S S	
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		480-229683 Chain of Custody		Barcode	
Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/QC Requirements:		Method of Shipment:		Date:	
Empty Kit Relinquished by:		Date:		Received by:		Date/Time:	
Relinquished by: J. Hull Relinquished by:		Date/Time: 5.23.25/1630 Date/Time:		Received by:		Date/Time:	
Relinquished by:		Date/Time:		Received by:		Date/Time:	
Custody Seals Intact: ☐ Yes ☒ No		Custody Seal No.:		Cooler Temperature(s) and Other Remarks:		69.1135C Ice	

Login Sample Receipt Checklist

Client: Brydges Engineering in Environment & Energy DPC

Job Number: 480-229683-1

Login Number: 229683

List Source: Eurofins Buffalo

List Number: 1

Creator: Yeager, Brian A

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	8.9 ICE IR# SC
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.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	BE3
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	